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Editorial

To Learn/ Un-learn/ Re-learn is a continuum essential to education. At each step one needs to adapt, innovate and re/create and this perhaps reached its height with the ensuing pandemic over the last two years. The first year taught us to learn the nuances of online learning whereas the second year helped us to manage hybrid learning better. Here, the phase of re-learning seemed most significant as individuals were trying to strategise coping mechanisms on the personal as well as on the professional front.

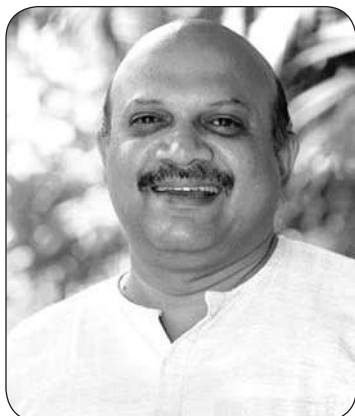
To elaborate on the theme of the magazine, it becomes crucial to understand that the process of 'learning' is ideally and typically an enjoyable one through which one engages with things not known and/or less known. The phase of un-learning is rather interesting. Here individuals may filter the already acquired knowledge, process what is required and finally discard what is extraneous. Additionally, it may also signify breaking away from former patterns, beliefs, ideals and re-learning new perspectives. However what is really intriguing is that the three signifiers are overlapping processes by themselves and do not follow a defined order— one cannot determine whether 'learning' necessarily precedes 'un-learning' or whether 'learning' and 're-learning' are mutually exclusive processes. Essentially learning is subjective— as asymmetrical as Virginia Woolf's "incessant shower of innumerable atoms" like "a luminous halo, a semi-transparent envelope surrounding us from the beginning of consciousness to the end".

Dr. Prasita Mukherjee

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From the Rector - Re-Visioning Education



Mark Twain is reported to have quipped, “I have never let my schooling interfere with my education”. While this may sound rather cynical, history is replete with a large number of brilliant contributors in various fields who had found it difficult to cope with formal systems of education.

Jesuit education is fundamentally oriented towards “integral transformation”—transformation of our students by way of the ongoing cultivation of multiple intelligences, and transformation of society by positive social interventions and leadership demonstrated by our students and alumni.

Our global bout with Covid-19 has provided us with an opportunity to consider whether our habitual ways of learning are wholesome or dysfunctional. It is for this reason that we have chosen to focus on the theme of “Learn, Unlearn, Relearn” for this year. What are the ways we may need to unlearn what we have learned, and to relearn things anew? In particular, how may our three core College values of professional innovation, personal integration and social inclusion help to anchor our efforts at unlearning and relearning?

Professional innovation entails moving beyond the tried and wasted method of rote learning and instead developing a curious mind, both critical and creative. College campuses need to be experienced as intellectually “safe spaces” where students are emboldened to question tired theories and practices and share novel and relevant visions of life. The Austrian philosopher Ivan Illich wrote a treatise in 1971 titled, “Deschooling Society”. In it he presciently suggested ways and means of radically reframing educational processes—moving beyond linear programmes and learning silos and instead embracing global webs or networks of learning relationships.

Personal integration entails the unlearning of toxic “life scripts” drummed into memory by unhelpful personal and social circumstances. The thinking and feeling associated with these debilitating scripts and self-talk exacerbate the rise of anxiety and even depression, which are growing rapidly across the globe. When such negativity is unlearned, it is easier to develop core personal, relational, moral and spiritual convictions. Such convictions are important to lead an authentic and productive life, and to provide a sense of balance and positivity in interpersonal and professional communication and collaboration.

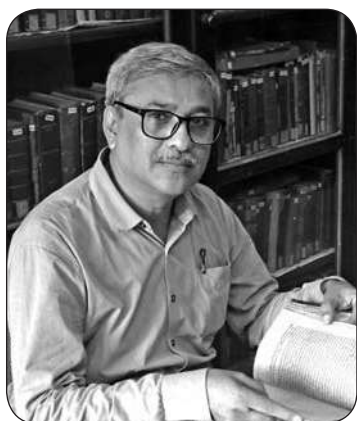
Social inclusion entails the transcending of narrow “social comfort zones”, from where subconscious or intentional judgements are passed about other communities, often privileging one’s own. Inclusion entails the unlearning of prejudices, and the learning to securely embrace the cultural, social, religious, national and ethnic “other”. When emotional security and social compassion are learned, suspicion is gradually replaced with trust, indifference with caring, and the juvenile desire for monocultural uniformity with a more mature appreciation of diversity.

Unlearning is not easy, as we are creatures of habit. But when new and wholesome ways of learning are embraced, hope springs eternal for the human family and the earth which nourishes us all.

Fr. Keith D’Souza, S.J.

Rector

From the Principal's Desk



Formal education in our country, post-independence, has traversed a long way from the time of Macaulay's minutes to the philosophies of Swami Dayanand, Gandhi, Tagore, Dr. Radhakrishnan and finally to the modern era of offline/online and hybrid learning. The continuous flux that the system of teaching-learning has witnessed and appropriated is remarkable and validates Robert Schumann's maxim that 'there is no end to learning'. At St. Xavier's College too, we further un-learnt usual classroom teaching practices, sharpened online skills, learnt to operate in the hybrid space and finally re-learnt our classroom practices before we marched ahead with our End Semester examinations in April 2021.

The academic year started on the online mode whereby learning platforms such as Zoom, Google Meet and MS Teams were used to engage with the academic fraternity. This odd semester lived up to its name! With COVID restrictions to be adhered to – like, two doses of vaccination, travel difficulties and hybrid lectures – students chose to stay at home and attend lectures online. Often we saw a teacher with one or two students in class while the remaining were attending online. It was no doubt an onerous experience to bring students back on campus from their comfort zones. However, the even-semester onwards, our students gradually started crawling back to campus – the procedural sanitizing, screening, masking, distancing et al protocols were strictly adhered to.

College activities also took a while to swing back to action. It was a proud moment for St. Xavier's College when we, XRCVC, signed a Memorandum of Understanding with the RUSA, Govt of Maharashtra to train more than 4,500 teachers across the state of Maharashtra. XRCVC experts are training these teachers in the area of inclusion, to help teachers to teach visually challenged students in their institutes.

As the nation celebrates its 75th year of Independence, the college organized various programmes to celebrate Azadi Ka Amrit Mahotsav. Our Students and staff participated in the essay competition organized by Vijnana Bharati, which envisages to have a unique year-long celebration under the banner "Swatantrata Ka Amrut Mahotsav" by bringing forth the "Contribution of Indian Scientists towards the Freedom Struggle". The month of February always holds a special place for all Science enthusiasts as 28th February is celebrated as the 'International Science Day'. This year, as part of Azadi Ka Amrit Mahotsav (celebrating 75 years of Independence), a special week-long Festival, 'Vigyan Sarvatra Pujiyate', Science communication Popularization and its Extension program is being held under the aegis of the Ministry of Culture, Government of India. In view of this, we organized events/competitions in the form of Poetry writing, Slogan writing, Poster making, Short Film making, among others in the week beginning February 14th to February 19th 2022.

To commemorate the 75th Year of India's Independence, Azadi Ka Amrut Mahotsav, a webinar on "Peaceful Applications of Radiation Technology in Agriculture & Food Preservation" was jointly organized by Bhabha Atomic Research Centre (BARC), Mumbai & St. Xavier's College (Autonomous), Mumbai (Sponsored by Department of Atomic Energy (DAE), Government of India was held on 4th August 2021. There were 115 in-house student participants.

Another important event on National Science day was the 'Science Adda', showcasing Science, technology and Innovation under the aegis of Azadi Ka Amrit Mahotsav was conducted with the support of DBT Star Status programme. Department of Biotechnology, New Delhi, had selected a few Star College scheme institutes for this one day online interaction and we were the recipient for the same. Dr. Garima Gupta, Senior Scientist, inaugurated the programme in online mode. Number of schools visited this online event. The interaction with the students was in hybrid mode (online and offline) and included lectures by science faculties of the colleges and virtual tours of laboratories, webinars for participants, live question and answer/quiz sessions, and other related interactive initiatives.

NAAC Preparation – Covid delayed our NAAC assessment. The college finally went for the fourth cycle of NAAC by submitting our SSR on September 2nd 2021. The IQAC, NAAC Core team led by Dr. Nandita Mangalore, and seven subcommittees were preparing this SSR from 2020. During the DVV process we successfully responded to all queries. Students too responded to the NAAC SSS very responsibly.

As a part of preparation towards the peer team visit, a mock visit was organized. Vice-Chancellor Prof. Rajan Welukar, Dr. Fr. M. Arockiasamy Xavier and Prof. Vinayak Dalvie guided the staff and the NAAC core team. The suggestions given by them were implemented immediately.

The team consisting of Prof. R. Kothari, Chairman of the peer team, Prof. S. Bisht, Member Secretary & Dr. Fr. G. V. Arasu visited the college on 19th and 20th January 2022. In spite of many core committee members infected with COVID, the remaining members of the staff along with students presented our alma mater to the NAAC peer team trying to put our best foot forward. The outcome however did not meet our expectation and it was decided to appeal for presenting our case once again– the results of the same are awaited. On the NIRF front too, it was disappointing to see the college slip from the first 100 slots to 101-150 slots. The reasons were obvious – COVID had hit us too. However, the Education World Magazine ranked St. Xavier's as number One in India, in the category of Private Autonomous Colleges.

Our International Programme which was launched in the year 2005-06 has grown over the years and continues to manifest itself in the seamless collaboration forged over the time. CIP, the Council of International Programme has been steadily providing new opportunities to our students. Even a world catastrophe like COVID did not stop our students from trying and venturing out. Four students, in spite of covid challenges, availed the opportunity and visited France, Spain and USA. Harvard Colleges in Asia Programme was conducted in hybrid mode. Xavier's Students attended the conference - 'Interdisciplinary Innovation: New Ways to Approach a New World'. We were happy to host two Harvard Students on our campus. The online course was held as always between the Department of English at St. Xavier's College, University of Stuttgart, Germany, Stellenbosch University, and South Africa, University of Bergamo, Italy.

New Research Centre in Agricultural Studies was inaugurated by our college Rector, Fr. Keith D'Souza. New RFID system, sponsored by RUSA, was installed in the lending and reference library. Automated book issuing and returning machine was also installed in the Reference library.

To counter utilisation of unfair means in online exams during the pandemic-affected period, the college authorities took a bold step and went for Offline examinations at the end of the Even semester. Despite tremendous opposition from students, the management stood by the decision and extended all kinds of support to the out-stationed students regarding accommodation, with assistance from other colleges in the vicinity and organizations, to which we are grateful. The decision of offline exams paid off well. The majority of students privately agreed and supported the idea of offline examinations.

Malhar 2021, IMG 2021-22 and other festivals like Aamod 2021 created a new history by going online and organizing various competitions and performances using the online platform. There was no dearth of enthusiasm and talent even after this lock-down affected period.

TEDxStXaviersMumbai, which was initiated as an annual event in the year 2020, had to be conducted online since its inception. TEDxStXaviersMumbai 2022 was no exception. The theme for the year was – ‘Embracing Crossroads’. This online event had an overwhelming response of audience not only from Xavier’s but from other institutions. The speakers who spoke on the occasion were – Ms. Rinaa Shah, Ms. Sanjana Chatlani, Dr. Luis Dias, Ms. Kavitha George, Mr. Sanjay Khatri, Nandini Mahesh & Mahesh Babu, Saundarya Rajesh, Deane De Menezes, Dr. Neelam Shetty & Rurik Jadhav.

In order to face the challenge of the online teaching and learning process, our social involvement programme (SIP) had to be modified. Since visiting the NGO was not a feasible option, the SIP department offered our students various opportunities of doing social work through online services. The department in collaboration with several NGOs collaborated to create such online opportunities. However, the total number of hours had to be curtailed from 45 to 25 to make one earn the required 2 SIP Credits.

In Sports, our senior and junior college students have participated in various team and individual online and offline tournaments and have performed to the best of their abilities.

Being a botanist by training and profession, I observed a strange resemblance in our modus operandi during the pandemic and over the last academic year – to that of Pachypodium lamerei (Madagascar Palm tree) which was discovered in 2008. The Spanish flu and Covid 19 have been a century apart and surely every pandemic will leave behind a bitter aftertaste. By now you would possibly be curious to understand my association of the same with the process of ‘blooming’. The Madagascar palm tree belonging to the family Apocynaceae, can be easily grown outdoors in warmer regions and as attractive indoor houseplants in cooler climates which makes it seem low maintenance and easily accessible. However, the twist in the tale lies in the process of flowering which occurs once in every hundred years! Characteristically it is identified as having dark green foliage with a thick grey trunk which may have thorns. The colour of the flower is typically white, though at times they may be red or pink too. Like the myriad shades of this plant, each had their unique way of adjusting to the need of the hour along with contributing in the best possible way to the smooth functioning of the college. My colleagues too rose to the occasion and fearlessly explored uncharted territory with respect to teaching, accepting challenges and overcoming them both on the professional and on the personal fronts.

From one pandemic to the next, humanity by and large rebooted their systems and forayed from the known to the unknown and possibly back to a more defamiliarized space. Like the plant, we human beings also matured over a century – from one to the other pandemic– and finally phoenixed into a surely more self-constructing species as opposed to the Madagascar palm which is essentially a self-destructing one. At St. Xavier’s we have always striven to be Darwinian in our approach – “It is not the most intellectual of the species that survives, it is not the strongest; but the species that survives is the one that is able best to adapt and adjust to the changing environment in which it finds itself” – that is the essence of holistic education.

Dr. Rajendra Shinde

Principal

IQAC

The academic year 2021-2022 began in June 2021 with teaching-learning and evaluation being conducted online during the odd semester due to the COVID-19 pandemic and Mumbai, Maharashtra being under lockdown October 2021. Though a brief lockdown was again imposed in January 2022, the even semester started with the hybrid mode which subsequently became entirely offline whereby the theory examinations were conducted offline for both UG and PG students. Practical evaluations were online since several outstation students could not attend regular offline (hands-on) practical sessions.

The IQAC members met virtually on the Zoom platform for the first two meetings in the odd semester held on 31st August 2021 and 17th September 2021. The third and the fourth meetings were offline held on 19th March 2022, and 20th April 2022.

The theme of the College for 2021-22 was 'Education for Integral Transformation' keeping up with the vision-mission statement of the college and the Ignatian Quincentenary year. The odd semester began with the finalization of documents for the 4th cycle of the National Assessment and Accreditation Council (NAAC) along with online teaching, learning and evaluation. The Self-study Report (SSR) was presented at the first meeting on 31st August 2021. The SSR was submitted on 2nd September 2021, the Data Validation and Verification (DVV) process started immediately, and queries raised were satisfactorily addressed. We are awaiting the final grade after an appeal was made to the NAAC for an A⁺ grade.

The admissions for the FY and PG-1 were completed through online counselling in the months of July and August 2021, respectively and fee collection was done using online payment gateways. The FY and PG-1 odd semester classes began in July 2021. Orientations for the new students were held online. Google Meet and Zoom platforms were used for lectures, practical sessions, webinars, workshops, and other academic

interventions. Each lecture was for 50 minutes with a 10-minute break before the next session. The practical sessions were conducted only for two hours instead of three hours. LMS such as Google classroom was used by most faculty members, whereas Canvas and Microsoft teams were used by some. Virtual labs and videos to demonstrate various experiments were used and wherever possible short experiments were done at home, filmed, and played during the practical sessions. Google forms and Gradezy were used for online formative (CIA) and summative (ESE) assessments.

The even semester began in November 2021 and ended in April 2022.

New Academic Programmes

New programmes, diplomas, and certificate courses were approved by the Academic Council.

1. Bachelors in Accounting & Finance
2. Certificate Course in French
3. Statistics Applied component 6th Semester
4. Certificate Course in Xavier's Global Leadership Programme

Only one course took off in this academic year 2021-22:

Department	New Course 2021-22
DIRS	Online Diploma in Comparative and Applied Ethics

The pass percentage of Students 2021-22:

Programme Code	Programme Name	Number of students who appeared in the final year examinations	Number of students who passed in the final year examinations	Pass Percentage
B.A.	Bachelor of Arts	360	339	94.16
B.Sc	Bachelor of Science	384	347	90.36
BMS	Bachelor of Management Studies	68	68	100
BMM	Bachelor of Mass Media	66	64	97
B.Sc-IT	Bachelor of Science - Information Technology	61	60	98.36
B.Com	Bachelor of Commerce	193	179	92.74
MA	Master of Arts- Ancient Indian Culture	39	28	71.79
MA	Master of Arts- Public Policy	55	54	98.18
MA	Master of Arts- Psychology	22	21	95.45
MSc	Master of Science - Botany	20	19	95
MSc	Master of Science - Biotechnology	28	28	100
MSc	Master of Science - Geology	16	15	93.75
MSc	Master of Science - Life Science	20	19	95
MSc	Master of Science - Microbiology	20	20	100
MSc	Master of Science - Physics	19	16	84.21
MSc	Master of Science - Big Data Analysis	36	36	100

Capability Building:
Workshops/Webinar/Seminar

Non-teaching Staff:

- A session was conducted in Marathi on कोरोना काळात तंबाखूचे

दुष्परिणाम on 2nd July 2021 and the number of participants was 70.

- One-day online workshop on the use of Microsoft Word was held on 3rd August 2021 and practice sessions were conducted by IQAC

and the Department of Statistics. The number of participants was 15.

- A Team building workshop was organised for office staff in which 22 of them participated.
- A Two-Day offline workshop on the use of Microsoft Excel was conducted on 28th and 29th April 2022 and practice sessions were organised by IQAC and the department of Statistics. The number of participants was 27.

Teaching Staff:

- HRD-Faculty workshop on Higher Education Vision Retreat and Workshop was held on 15th June 2021. Total number of participants was 260 from St. Xavier's College (SXC), St. Xavier's Institute of Education (SXIE) and Xavier's Institute of Engineering (XIE), Mumbai.
- Commemoration of 75th Year of India's Independence *Azadi Ka Amrut Mahotsav* Webinar on "Peaceful Applications of Radiation Technology in Agriculture & Food Preservation" Jointly Organized by Bhabha Atomic Research Centre (BARC), Mumbai & St. Xavier's College (Autonomous), Mumbai (Sponsored by Department of Atomic Energy (DAE), Government of India was held on 4th August 2021. There were 115 in-house student participants.
- Online workshop for faculty on Planning a budget was organised on 6th August 2021 and 120 faculty members participated.
- On 14th August 2021, SXC and SXIE jointly organised the Second Webinar Series on Transformational Education in the Ignatian Quincentenary which was a webinar for New Teachers to understand the Ignatian paradigm: "Meaning and Relevance of the "Cannonball Moment": A symbolic immersion where there was a total of 82 participants, both in-house and others.
- SXC and SXIE jointly organized the Webinar Series on Transformational Education in the Ignatian Quincentenary which was primarily for new teachers: "Towards inner maturation: Discernment and Decision making". It was held on 18th September 2021 with 82 participants.
- A commemorative event for the 75th Year of India's Independence *Azadi Ka Amrut Mahotsav* was organised by the National Institute of Immunology, New Delhi & St. Xavier's College (Autonomous), Mumbai. A Science Setu talk on "Development of Immunological Memory: Lessons from Multi-Omics" was held on 23rd September 2021. There were 115 in-house student participants.
- An Offline workshop with 60 faculty as participants was conducted on 27th October 2021 on "St. Xavier's College: The Journey Ahead: Crafting A Pragmatic, Strategic Plan, 2021 - 2025".
- SXC and SXIE jointly organised the third part of the 2nd Webinar Series on Transformational Education in the Ignatian Quincentenary, once again for New joinees on "Designing learning experiences through the Ignatian Pedagogical Paradigm on 24th November 2021 with a total of 82 participants.
- SXC and SXIE jointly organised the fourth and last part of the 2nd Webinar Series on Transformational Education in the Ignatian Quincentenary - New teacher's compulsory webinar Transformative teaching-learning process on 4th December 2021 (Participants = 82).
- Training for trainers was a workshop organised for teachers of the Special Course on Giving Voice to Values over four sessions (on Wednesdays) in January and February 2022. 22 faculty members had participated.
- A talk on NEP 2020 for Higher Education by Dr. Furqan Qamar was held on 10th January 2022 with 120 faculty members participating.
- SXC and SXIE jointly organised Webinar Series on Transformational Education in the Ignatian Quincentenary for New teachers on Evaluating Reflective Technology on 22nd January 2022 where the number of participants was 82.
- A Faculty Workshop on "Helping to Fly: Easy, Effective Mentoring" was conducted by Fr. Francis on 11th February 2022 in which 120 faculty members participated.
- A seminar on the Code of Conduct was organised for newly inducted faculty on 19th and 25th February 2022 with 14 participants.
- A Workshop on the 7th pay form for CAS along with guidelines was conducted on 2nd March 2022 for the post of Professor with 12 participants.
- Career Advancement Scheme workshop for promotes from Stage 1 to 2 was conducted on 12th April 2022 with 25 faculty members.
- An interactive session on How to Make Massive Open Online Course (MOOC) was held on 27th April 2022 with 45 participants.

Students:

- *Science Adda* was organised to celebrate Science day (under the aegis of DBT) by all Science departments on 28th Feb 2022 for the benefit of in-house students as well as students from other schools. Online videos about science departments and demonstrations of some experiments were shown.
- A talk about Lab safety measures for staff and students with 82 participants was held on 20th August 2021 for Chemistry; 23rd September 2021 for Physics and

for Biosciences on 5th March 2021
(Average number of participants
= 82)

Research:

No. of Faculty who completed PhD - 1

No. of Students registered for PhD - 2

Activities/Initiatives/Updates

NAAC related:

- The SSR for the 4th cycle was submitted.
- Appeal for A⁺ was presented

Faculty promotions under the Career advancement scheme:

- The following faculty members were promoted from Assistant Professor to Associate Professor
 1. Dr. Pratiba Naitthani – Political Science
 2. Ms. Saima Khan – Chemistry
 3. Dr. Sanjay Parab – Commerce
 4. Dr. Alok Gude - Botany
 5. Dr. Rajesh Singh - Physics

Teaching plans:

- Teaching plans were submitted by the Departments for both the odd and even semesters.

Feedback and Survey:

Online teaching questionnaire:

- An online teaching questionnaire was administered for odd and

even semesters for UG and PG students. As a follow-up, the analysis was shared with individual teachers for understanding their strengths and weaknesses.

Course feedback questionnaire:

- The questionnaire was administered to UG and PG students for the odd and even semesters. The analysis was shared with the departments to retrospect on the course content and for an action taken report.

Employer Feedback:

- Employer/Principal Investigator/ Internship In-charge Feedback Questionnaire was designed and administered.

Review of syllabi survey:

- A review of the syllabi was carried out involving TY and PG-2 students as primary stakeholders which was shared with departments to enable the faculty to make necessary improvements in the syllabi.

Honours Certificate Programme:

- All departments conducted online Honours certificate programme activities. A total of 508 students registered across all undergraduate programmes. The registration and the activity fees were collected through an online portal. The Honours certificate has been awarded to 124 students from TY. In addition, individual

credit cards for all Honours activities have also be given to the students.

DBT Grants:

- DBT Star Status was conferred to the Department of Statistics – non-recurring was used to buy computers for the Statistics lab.
- DBT-Builder for PG departments - non-recurring was used to purchase and install state-of-the-art equipment which will be used for the Builder projects as well as other research projects.

Pending activities:

- Workshop on Crafting –PSOs-COs mapping with the vision/mission
- Code of conduct workshop for students
- Fire-Drill
- Workshop on Review of Autonomy
- Workshop on implementation of National Education Policy
- Workshop on Choice-based credit system

Dr. Ms. Karuna Gokarn
IQAC Director, VP Academics

*All of us who are worth anything, spend our manhood in unlearning the follies,
or expiating the mistakes of our youth.*

– Percy Bysshe Shelley

FACULTY PUBLICATIONS 2021 - 2022

Department	Title of the paper/Book chapter	Name of the author	Title of Journal/Book
Ancient Indian History, Culture & Archaeology	Reflections of the Economic Parameters in the Sutta Literature of Buddhist Thought	Radha Kumar	<i>Current Researches in Indian archaeology</i> , by Dr Madan Lal Meena, Dr Vineet Godhal and Dr Vijay Kumar (ISBN – 978-81-95008-05-6)
Ancient Indian History, Culture & Archaeology	Physical Distancing and Heritage Management for Protection of Our Sites: A Case Study of Petroglyphs and Some Unknown Sites in Konkan	Rane- Kothare A.	<i>Xplore - The Xavier's Research Journal</i> . Volume 12 (01): 14-17. DOI:10.13140/RG.2.2.19391.64166, ISSN 2249 – 1878.
Ancient Indian History, Culture & Archaeology	Museums in a Digital Age in Pre- and Post- COVID-19 Scenario: A Case Study of the Adaptations by Museum Society of Mumbai	Johns J.	<i>Xplore - The Xavier's Research Journal</i> . Volume 12 (01): 9-14. DOI:10.13140/RG.2.2.19391.64166, ISSN 2249 – 1878.
Blatter Herbarium and Botany	<i>Ischaemum mistryi</i> (Poaceae: Andropogoneae): A new remarkable species from Sub-Tropical Evergreen Forest, India	Nawaz S., Shinde R.	<i>Phytotaxa</i> . 509. (3) 272-280, 2021.
Caius	Applicability of vitamins in the management of COVID-19: An overview	Shaikh Z., Sundarrajan P., Bhagtaney L., Zehra S., Zahra K. F., Badra B., Yigit B. M., Patel N., Alim H., Khan J., Ali A.	<i>Annals of Phytomedicine</i> 10(1): 65-76, 2021. ISSN- 2278-9839 (print), ISSN- 2393-9885 (online), Ukaz publications. Web of science. DOI: http://dx.doi.org/10.21276/ap.covid19.2021.10.1 .
Caius	Characterisation of Yeasts from Various Sources for Bioethanol Production and Use of Orange Peel Waste as Substrate	Sundarrajan P., Shivtarkar S., Jain R.	<i>Xplore - The Xavier's Research Journal</i> . Volume 12 (02): 23-38. DOI:10.13140/RG.2.2.19391.64166, ISSN 2249 – 1878.
Caius	Study of factors influencing biofilm formation in <i>Cupriavidus</i>	Agnihotri A., Chatterjee A., Divekar P., Dbritto S., Sundarrajan P., Kutty B., Shetty S.	<i>Xplore - The Xavier's Research Journal</i> . Volume 12 (02): 105-110. DOI:10.13140/RG.2.2.19391.64166, ISSN 2249 – 1878.
Caius	Green Synthesis of Silver Nanoparticles using Plant Extracts and Their Applications for Water Purification and Anti-Diabetic Properties	Alex S., Gangte M. O., Sundarrajan P.	<i>Res. J. Chem. Environ</i> , 26 (4): 27-35, April (2022). E-ISSN: 2278 – 4527 PRINT-ISSN No. 0972-0626 https://www.scopus.com/sourceid/5300152224 Scopus list, Impact factor - 0.247
Caius	Screening and Isolation of Asparaginase Producers From Soil Source and its Application in Food Products	Sundarrajan P., D'Costa J., Ibrahim G.	<i>J. Adv. Sci. Res.</i> , 2022; 13 (3): 49-55. https://doi.org/10.55218/JASR.202213309

Department	Title of the paper/Book chapter	Name of the author	Title of Journal/Book
Chemistry	Satbility indicating Reverse phase high performance liquid chromatography (RP-HPLC) method for simultaneous determination of cefixime and ofloxacin from pharmaceutical dosage formulation	Rege, P., Jagdale A., Kulkarni A.	<i>World Journal of Pharmaceutical Research</i> ; 10 (12), 1929-1937
Chemistry	Efficient photocatalytic degradation of Methylene Blue using doped transition metal oxide nanoparticles	Khan S., Aggarwal A.	<i>Xplore - The Xavier's Research Journal. Volume 12 (02): 111-122. DOI:10.13140/RG.2.2.19391.64166, ISSN 2249 - 1878.</i>
Chemistry	Biosynthesis and characterization of carbon quantum Dots@CuS composite using water hyacinth leaves and its usage in photocatalytic dilapidation of Brilliant Green dye	Vyas Y., Chundawat P., Dharmendra D., Jain A., Punjabi P.B., Ameta C	<i>Materials Chemistry and Physics</i> 281: 125921 https://doi.org/10.1016/j.matchemphys.2022.125921
Chemistry	Kinetic and thermodynamic studies of controlled oxidation of cinnamyl alcohol by potassium persulphate in acidic medium	Gupta H.	<i>Asian Journal of Organic and Medicinal Chemistry</i>
Chemistry	Reaction kinetic of the controlled oxidation of perfumery cyclic alcohols using inorganic salt in acidic medium	Gupta H.	<i>Journal of Global Biosciences Vol, 10(4), 8582-8605.</i>
Chemistry	A Preliminary Study Connecting Covid-19 and the influence of Psychoacoustic Therapies	Meyers K., Kapadia N., Sengupta M.	<i>Xplore - The Xavier's Research Journal. Volume 12 (02): 1-13. DOI:10.13140/RG.2.2.19391.64166, ISSN 2249 - 1878.</i>
Chemistry	A Study on the Neuropsychiatric Impacts of the SARS-COV-2 Pandemic	Meyers K., Kapadia N., Rumao C, Jain K., Yadav V.	<i>The Royal Gondwana Research Journal of History, Science, Economic, Political and Social Science, 2 (1): 85-99, 2021.</i>
Commerce (evening section)	Legal Aspects of Business in India	Dhond A.	<i>Concept, 10 (4). ISSN (Print): 2394-8922</i>
Commerce (evening section)	The Effect of Social Media on Youth: Towards a Proactive Approach	Dhond A.	<i>National Journal of Research in Marketing, Finance & HRM, Pune, 7 (1): 131-142, ISSN (Print): 2455-5398.</i>
Commerce (evening section)	Using Technology and Discourse Completion Task for English Language Teaching	Gaikwad J., Karekatti T.	<i>Xplore - The Xavier's Research Journal. Volume 12 (01): 28-47. DOI:10.13140/RG.2.2.19391.64166, ISSN 2249 - 1878.</i>
Economics	An Appraisal of GIS Technology Application Among Cotton Farmers of Vidarbha in Maharashtra	Sawant A., Ranadive S., Desai K, Sheth T, Agarwal A.	<i>Xplore - The Xavier's Research Journal. Volume 12 (01): 1-8. DOI:10.13140/RG.2.2.19391.64166, ISSN 2249 - 1878.</i>

Department	Title of the paper/Book chapter	Name of the author	Title of Journal/Book
English	Resonance of the Zoroastrian Purification Rituals in Regulations for the Prevention and Containment of COVID-19	Pastakia P.	<i>Xplore - The Xavier's Research Journal. Volume 12 (01): 46-54. DOI:10.13140/RG.2.2.19391.64166, ISSN 2249 - 1878.</i>
Geology	Petrography of the Late Cretaceous Bottom Conglomerate Formation from Sohra-Mawsynram area, East Khasi Hills District	Barua S., Pundalik A.	<i>Xplore - The Xavier's Research Journal. Volume 12 (02): 39-62. DOI:10.13140/RG.2.2.19391.64166, ISSN 2249 - 1878.</i>
Geology	Changes in provenance of Quaternary sediments of Central Narmada basin, Madhya Pradesh, India: Evidence from heavy mineral studies	Kale M. G., Pundalik A. S., Salata D.	<i>Journal of Earth System Science, 131(1), 1-27</i>
Geology	Oxic-dysoxic Tidal Flat Carbonates from Sadara, Pachham Island, Kachchh.	Kale M. G., Pundalik A. S., Karmalkar N. R., Duraiswami R. A.	<i>Mesozoic Stratigraphy of India (pp. 241-267). Springer, Cham</i>
Geology	Comparative Study of Amarkantak, Shahdol, and Umaria Basalt Lava Flows from the Eastern Deccan Volcanic Province (EDVP): Field and Petrographic Characteristics	Alam M., Saket I., Singh, V. P., Ojha A., Nayak D., Tiwari P., Pundalik A. S.	<i>Xplore - The Xavier's Research Journal. Volume 12 (02): 88-106. DOI:10.13140/RG.2.2.19391.64166, ISSN 2249 - 1878.</i>
Geology	Inclusions in Titanite from Tiruchirapalli District, Tamil Nadu - A Preliminary Study	D'Souza R., Henriques P.	<i>Xplore - The Xavier's Research Journal. Volume 12 (02): 79-87. DOI:10.13140/RG.2.2.19391.64166, ISSN 2249 - 1878.</i>
Geology	Petrographic Characterization of Coals from Ananta Opencast Project, Talcher Coalfield, Angul District, Odisha	Singh V. P., Mahanta B.K., Mallick K., Samant H.	<i>Xplore - The Xavier's Research Journal. Volume 12 (02): 63-78. DOI:10.13140/RG.2.2.19391.64166, ISSN 2249 - 1878.</i>
Geology	Mapping and Spatial Analysis of some Petroglyphs in Ratnagiri District of Maharashtra, India	Samant H., Pundalik A., Samant A.	<i>Xplore - The Xavier's Research Journal. Volume 12 (02): 14-22. DOI:10.13140/RG.2.2.19391.64166, ISSN 2249 - 1878.</i>
Hindi	अनुसंधान का जीवनीपरक आख्यान	Gude A, Upadhyay B.	<i>Xplore - The Xavier's Research Journal. Volume 12 (02): 54-63. DOI:10.13140/RG.2.2.19391.64166, ISSN 2249 - 1878.</i>
Microbiology	Extraction of silver from waste X-ray films using proteases obtained from halotolerant bacteria <i>Salinivibrio costicola</i>	Nagre A, Amonkar V, Talekar A., Chakraborty P.	<i>Research Journal of Biotechnology. Volume 16 (5)</i>
Microbiology	Evaluation of antioxidant potential of pigments extracted from <i>Bacillus</i> spp. and <i>Halomonas</i> spp. isolated from mangrove rhizosphere.	Patkar S., Shinde Y., Chindarkar P., Chakraborty P.	<i>BioTechnologia Volume 102 (2) pp. 157-169</i>

COLLEGE SCHOLARSHIP 2020 - 2021

Sr.No.	SR		Name of the Scholarship	Name of the Awardee
		A	POST FYJC	
1	A	1	the Cursetjee Framjee Wadia, Sir Sassoon J. David, Bai Rattanbai Bomanji Wadia and the Cowasji Jehangir Readymoney Scholarship for highest in FYJC Arts	Aditi De
2	A	2	the Printer, Likhansi Nappo, Edwin and Edith Noronha and Munshi Scholarship for highest at the F.Y.J.C. Science	Gautam Menon
3	A	3	the Mrs. Amba C.P. Wadia Scholarship for a deserving Parsi boy highest at the FYJC examination	Piroz Randeria
4	A	4	the Pragji Purshottam Bhatia and Vurdhman Jetsey Scholarship for a Hindu student with the highest average in FYJC (Arts or Science)	Aditi De
		B	POST SYJC	
5	B	1	the Fr. Dreckman, Rev. Frs. Boese, Usteri, Degan, Walrath, Boswin and Mrs. Hermina Miranda Scholarship for highest at the HSC examination (Science)	Nishta Rajan
6	B	2	the Prof. Abbas, Ardeshir Dhunjshaw Lalkaka and Maneckjee Framjee Hormusjee Sethna Scholarship for highest aggregate at the HSC examination and continuing with FYBA	Khushee Kadam
7	B	3	the P. A. Hormasjee Wadia Scholarship to a Parsi lady student for highest in French at the HSC examination	Huzan Golvala
8	B	4	the Meenal Dinkar Rao Mugve Scholarship for highest in Chemistry at the H.S.C. examination	Arfa Khan Callahan Carvalho Nishta Rajan
9	B	6	the Fr. Sacasa's, Nadkarny-Kothare, Prof. R.N. Bhagwat Scholarship for highest in Chemistry at the H.S.C. examination	
10	B	8	the Parimal K. Shroff Prize for highest marks in Political Science at the H.S.C. examination	Maana Munshi Shravani Kale Tahira Lobo
11	B	9	the Mrs. Cyrilla Juliana D'souza, Late Joseph Manuel D'souza and John Damascene D'Almeida Scholarship for a deserving Catholic student in FYBA / BSc.	Violet D'souza
12	B	10	the Khan Bahadur Burjorjie D. Patel, Sir Dinshaw M. Petit, and Ardeshir Hormasjee Wadia Fund Scholarship for a deserving Parsi student with the best aggregate at HSC examination	Mehernaz Randeria
13	B	11	The Late Anirudha Jayprakash Bhogle Scholarship for a deserving student with the highest marks in Biology at the HSC examination	Janice Fernandes
14	B	12	the Neena Nigam Memorial Scholarship for higher learning	Kartik KK
15	B	13	Joel Boaz D'souza Memorial Scholarship for deserving student of FY	Ashly Parayil
			Joel Boaz D'souza Memorial Scholarship for deserving student of SY	Arfat Ahmed
			Joel Boaz D'souza Memorial Scholarship for deserving student of TY	Sakshi Kishor Chaphe
		C	POST FYBA/FYBSc/FYBCom	
16	C	1	the Jehangir Bomanji, Tullakchand Maneckchand Vijbhukhandas Atmaram Mehta and the Caius Scholarship for highest aggregate at the FYBA Examination	Khushali Vaibhav Gala
17	C	2	the Prof. C. D. Pinto, and Fr. Hamilton Scholarship for the highest in English Literature at the FYBA examination	Gabrielle Leatitia DSouza
18	C	3	the Hindi Sahitya Mandal Scholarship for highest in Hindi (Ancillary) at the FYBA examination.	Aman Kayal
19	C	5	Meenal Dinkar Rao Mugve Scholarship for highest in Chemistry at the FYBSc examination and continuing with Chemistry in SYBSc.	Diya K Prasad
20	C	6	the Fr. Sierp, Prof. S.K. Chhapgar for highest in Chemistry at the FYBSc examination and continuing with Chemistry in SYBSc.	Diya K Prasad
21	C	7	the College Scholarship for highest at the F.Y.B.Sc. - IT examination	Kriti Jain
22	C	8	the College Scholarship for highest at the F.Y.B.M.M examination	Zara Ann Dias Rebecca Arambhan
23	C	9	the College Scholarship for highest at the F.Y.B.M.S examination	Gunjit Kalra
24	C	10	the Burjor Kaikobad Doctor, Khan Bahadur Hormusji Kharshedji Bhabha, and Dinshaw Shavakshaw Adenwalla Scholarship for a Parsi student highest in FYBA/FYBSc examination	Chaina Jasmine Rohinton
25	C	11	the Dr. Lewis Gomes and the Parsi Association, D.K. Kamdin and R.C. Chanrai Scholarship for a deserving student in SYBSc/SYBA	Suraj Dubey
26	C	12	Fredie A Mehta Scholarship for highest in Economics at the FYBA examination	Tisha Shripal Shah
27	C	13	the A.V. Krishnamurti Scholarship for highest in Physics at FYBSc examination and continuing with Physics	Swayam Das
28	C	14	the Dattatraya and Meera Mugve Scholarship for the highest aggregate at the FYBSc examination	Kaninika Ghosh

Sr.No.	SR		Name of the Scholarship	Name of the Awardee
			W. P. Ochaney And Mrs. Meera & V. N. Bhatia Scholarship (if no needy student is there from these subjects it can be given to any F.Y.B.A./F.Y.B.Sc student)	
			1) Deserving F.Y.B.Sc student of Statistics	Meghana Vitthal Patil
			2) F.Y.B.A student of Sociology - Economics	Janis Vaz
29	C	15	the Watumull Foundation Scholarship for highest in Accounts at the FYBCom examination	Anuja Shukla
30	C	16	the Armand Francis Sequeira and the Ignatius Loyola Scholarship for highest in Economics at the FYBCom examination.	Ekta Dongare
31	C	17	the Late Squadron Leader O. J. D'Sena and the Late Mansoor Awan Scholarship for highest in Business Communication at the FYBCom examination..	Marinba Jamir
		D	POST SYBA/SYBSc/SYBCom	
32	D	1	the Sir Currimbhoy Ebrahim, Jamsetji Ardeshir Wadia and Joseph Manuel D'souza Scholarship for highest at the SYBA examination	Rhea Anhsuman Banerjee
33	D	2	the Dr. Shashishekhar Naithani Scholarship for highest in SYBA Hindi (Ancillary)	Shruti Swaminathan
34	D	3	the Fr. Bochum, Rev. Fr. H. Heras, S.J. and Prof. N. N. Lala History Scholarship for highest in History at FY & SYBA and continuing with History at TYBA (8 papers)	Ruchira Balkrishna Sarma
35	D	4	the Mr. Erasmus F.C. Sequeira and Principal Mafatlal Vadilal Naik Scholarship for Highest in English at SYBA examination and continuing with English at TYBA	Shruti Swaminathan
36	D	5	the M. A. Bomanji Dubash and Fr. Gisbert Sociology Academy Scholarship for a student highest in Sociology or Anthropology at the FY & SYBA examination and continuing with Socio/Socio-Anthro in TYBA	Simran Vasant Mendon
37	D	6	the Late Prof. Anthony Monteiro Scholarship for highest in SYBSc Chemistry and continuing with Chemistry in TYBSc	Parth Kalpesh Bhavsar
38	D	7	the Mr. Shahrukh B. Paymaster and Mr. Ashok Sumanlal Patel Memorial Prize for highest in Microbiology at the FY & SY and continuing with Chemistry or Microbiology in TYBSc	Ragini Khanna
39	D	8	the Shreevrat Goenka Scholarship for a student of SYBSc highest in Life Science and continuing in TYBSc	Tanish Vipin Botadkar
40	D	9	the Prof. R. V. Kamat, Mrs. Allan Asphandiar Dadachanji, Miss Sudha Prabhudesai and Janardhan Dayanand Bhatt Prize for highest in Physics at the SYBSc and continuing with Physics in TYBSc	Atharva S Naik
41	D	10	the Prof. Dara M. Munshi and M. Krishnan Memorial Scholarship for highest in Zoology at SYBSc and continuing with Zoology in TYBSc	Mallika S Bawa
42	D	11	the College Scholarship for highest at the S.Y.B.M.S examination	Fareez Ronnie Mirza
43	D	12	the College Scholarship for highest at the S.Y.B.M.M examination	Helee Mitesh Pandya Pankhuri N Joshi
44	D	13	the College Scholarship for highest at the S.Y.B.Sc - IT examination.	Vandan Roghelia
45	D	14	the Dr. Lewis Gomes, Parsi Association, D.K.Kamdin, R.C Chanrai and Late Mr. Leslie Rebello Scholarship for a deserving Catholic student in the TYBA / BSc	Rebecca Coutinho
46	D	15	Fredie A. Mehta Scholarship for highest in Economics at FY & SYBA and continuing with Economics at TYBA (6 papers)	Diya Anil Iravane
47	D	16	the Watumull Foundation and the Edmund Campion Scholarship for a needy and outstanding student in present TYBCom	Sanket Shinde
48	D	17	the Mrs. Kathleen Pereira, Ignatius Loyola Scholarship for a deserving student with the best attendance in SYBCom.	Raju Sharma
49	D	18	the Khushalchand Charity Trust and the Late Aritha Alva Scholarship for a needy and outstanding student in TYBCom.	Sanket Shinde
		E	POST TYBA/BSc	
50	E	1	the Mr. Hadi C. Tyabjee, J. J. & G. J. Lalwani and Hilloo Scholarship for highest aggregate at the TYBA examinations	Ruhi Jain
51	E	2	the Joan Dias Memorial Prize for girl student highest in AIC at the TYBA examinations	Raymond Goveas
52	E	3	The Shodhan Prasad Dave Memorial Prize for highest in Economics (3 Unit) at the TYBA examinations.	Mudit Agarwala
53	E	4	the Dewan R.N. Saigal Scholarship for the best Economics Honours Programme student.	Steven Thomas
54	E	5	the Carmelita and Charles Nazareth Scholarship for highest in English at the TYBA examinations	Juie Shashank Gune
55	E	6	The Dr. Mohamed Bazlur Rehman Scholarship for Catholic student highest in English (6 papers) at the TYBA examinations and pursuing post-graduation studies	Christine Mendonsa
56	E	7	the Fr. Edward D'Cruz Political Science Scholarship for highest aggregate in entire Political Science (8 papers) at the TYBA examinations	Anjali Jha
57	E	8	the Parimal K. Shroff Prize for highest marks in Political Science at the TYBA examinations	Anjali Jha
58	E	9	the Late Mrs. Kaushalya Sethi Scholarship for highest in Psychology (Major) at the TYBA examinations	Francine Theresa Carvalho
59	E	10	the Joan Dias Memorial Prize for Catholic girl student highest at the TYBA examinations	Francine Theresa Carvalho
60	E	11	the Mr.Hadi C. Tyabjee and the Pragji Purshottam Bhatia Scholarship for highest at the TYBSc examinations	Jui Sadanand Wakade

Sr.No.	SR		Name of the Scholarship	Name of the Awardee
61	E	12	the D.L. Modi Scholarship for highest in Chemistry at the TYBSc examinations	Geetansh Gupta
62	E	13	Dr. M.P. Sujayakumari and the Department of Life Sciences Scholarship for highest in TYBSc (3 units) Life Science	Pooja Birjoo Mehta
63	E	14	the Department of Life Sciences Scholarship for highest in TYBSc (6 units) Life Science	Lianne Fernandes
64	E	15	the Minoo H. Matbar, Burjor Kaikobad Doctor Memorial, and Sarabhai Dipchand Shah Scholarship for highest in Mathematics at the TYBSc examinations	Nihaar Ketan Thakkar
65	E	16	the Prof. Joseph Selwyn Dias, Malcolm Pereira and Prof. Sam J. Khambatta Scholarship for highest in Physics at the TYBSc examinations	Bijin Joseph
66	E	17	Mukul Singhal Scholarship for highest aggregate at the highest aggregate at the TYBSc examinations in Physics	Bijin Joseph
67	E	18	Late M V Bhagwat scholarship for outstanding student of TYBSc in Physics	Hetanshu Rajeshbhai Bharadiya
68	E	19	the Almeidas' Botany Scholarship for highest in Botany at the TYBSc examinations	Ruthvik S P
69	E	20	the Joan Dias Memorial Prize for a girl student highest in Statistics at the TYBSc examinations	Ishita Mohta
70	E	21	Dr. Edgar DaSilva Memorial prize for the highest in Microbiology at the T.Y.B.Sc. examination	Triza Rajesh Lahoria
71	E	22	Dr. Edgar DaSilva Memorial prize for the highest aggregate at the T.Y.B.A examination	Ruhi Jain
72	E	23	the Prof. J.V.Bhat Memorial Scholarship for second highest in Microbiology at the TYBSc examinations	Simran Nahata
73	E	24	the Joan Dias Memorial Prize for Catholic girl student highest at the BSc examinations	Sylvia Vincent
74	E	25	the College Scholarship for Ranking First in B.M.S	Shreya Vishwanath
75	E	26	the Late Mr. Abdul Hameed Ansari Scholarship for Ranking First in T.Y.B.M.M (Advertising)	Simran Vikrant Raikar
76	E	27	the Late Mr. Abdul Hameed Ansari Scholarship for Ranking First in T.Y.B.M.M (Journalism)	Shloka Parag Mehta
77	E	28	the Khan Bahadur HormasjiKharshedji Bhabha and Rev. Fr. Heras, S. J. Scholarship for highest in History at TYBA examinations and continuing with MA in History	Sarah Kevin Barboze
78	E	29	the Sociology Academy Scholarship for highest in Sociology at the TYBA examinations excellence in other activities of College and continuing with Post Graduation	Vani Sharma
79	E	30	the Dr. N.A. Irani Memorial Scholarship for best aggregate in Botany at the BSc and continuing with MSc. in Plant Taxonomy	Anushka Agarwal
80	E	31	the Late Noshirwan H. Sethna Geology Scholarship for highest in Geology at the BSc examinations and continuing with Geology	T.Pon Gayathri
81	E	32	the Sheila M. Joseph Memorial Fund Scholarship for highest in Zoology at the BSc and continuing with MSc in Zoology	Kabeer Anand Nadkarni
82	E	33	the Sir Dinshaw M. Petit Post Graduate Scholarship and the ArdeshirHormasjee Wadia Fund for Parsi student of BSc continuing with post graduation studies.	Kaizin Burjis Pardiwala
83	E	34	the Prof. Saroj Hazari Scholarship for highest marks in 19th Century English Literature at the BA examinations	Juie Gune
84	E	35	Fredie A. Mehta Scholarship for best aggregate in Economics of the BA exams and continuing with post-graduation studies in Economics	Harneet Singh
85	E	36	the Dr. R.K.Hazari Memorial Prize for second highest marks in Economics at the BA examinations	Ruhi Jain
86	E	37	Fredie A. Mehta Scholarship for deserving student with best aggregate in Economics of the BA examination and continuing with post-graduation studies in Economics	Vedant Shukla
87	E	38	the College scholarship for Ranking First in B.Sc. (IT)	Anand Prasoon
88	E	39	Mrs. Kalpana Hansraj Chaudhuri Scholarship for deserving girl student continuing post graduate in Science	Anushka Pramod Chaudhari
89	E	40	Mukul Singhal Scholarship for highest aggregate at the highest aggregate at the BSc examinations	Jui Sadanand Wakade
90	E	41	the Late Prof. Cavas J. Shroff Scholarship for highest marks in Statistics at the BSc examinations	Sylvia Vincent
91	E	42	the Ms. Bakhtawar Sam Sethna Scholarship for female student securing highest in Geology at the BSc examinations	Chakshu Gururani
92	E	43	Ayan Dixit Memorial Award for best creative literary pursuit	Neel Kolhe
93	E	44	Ayan Dixit Memorial Award for second best creative literary pursuit	Jillian Tauro
94	E	45	the Late Fr. Valero Aleu, S. J. Scholarship to a TYBCom student for highest aggregate at TYBCom examination	Jesan Gonsalves
95	E	46	the Late Fr. Valero Aleu, S. J. Scholarship to a TYBCom student for highest aggregate in Financial Accounting - Paper I at the TYBCom examination	Piyush Maheshwari
96	E	47	the Late Fr. Valero Aleu, S. J. Scholarship to a TYBCom student for highest aggregate in Financial Accounting - Paper II at the TYBCom examination	Akash Rao

Sr.No.	SR		Name of the Scholarship	Name of the Awardee
97	E	48	the Late Fr. Valero Aleu, S. J. Scholarship to a TYBCom student for highest aggregate in Financial Accounting - Paper III at the TYBCom examination	Jesan Gonsalves
98	E	49	the Late Fr. Valero Aleu, S. J. Scholarship to a TYBCom student for highest attendance in the TYBCom	Pramod Adbal
99	E	50	the Pedro Arrupe, the Late Mr. Alphonsus Stanislaus Saldanha & Late Fr. Charles Saldanha, S.J. Scholarship for a student with all round performance at the TYBCom	Sakshi Khandelwal
	F		SENIOR MA & MSc	
100	F	1	the Dr. Ratan NadirshawSukeshwala and Dr. Dayanand Dattatraya Yellur Scholarship for highest in Geology at MSc Part I	Siddharth Paul Prabhu
101	F	2	the Dr. Ratan NadirshawSukeshwala and Dr. Dayanand DattatrayaYellur Scholarship for highest in Geology at MSc Part II	D Silva Shanan
102	F	3	the College scholarship for highest in Biotechnology at the M.Sc. Examination	Monica Ajaybeer Singh
103	F	4	the Late Shri R.R. Subramanian Scholarship for a student ranking first in the MA autonomous course in Ancient Indian History Culture & Archaeology	Jisa Ann Thomas
104	F	5	the Dr. Yvonne Mae Freitas Scholarship for highest in Microbiology at the M.Sc. Part I Examination	Alister Danny Adrian Dsouza Maitri Khemka
105	F	6	the Dr. Yvonne Mae Freitas Scholarship for highest in Microbiology at the M.Sc. Examination	Freya Cardozo
106	F	6	the Dr. Yvonne Mae Freitas Scholarship for second highest in Microbiology at the M.Sc. Examination	Vandana Laxman Gunda
107	F	8	the Shreevrat Goenka Scholarship for a meritorious post-graduate student of Life Science	Pooja Gayaprasad Gupta Aradhya Kapoor Tasneem Saifuddin Kapasi
108	F	9	the Anjaneer Jon Scholarship for deserving student pursuing the master's programme in Biotechnology	Simeone Fernandes
109	F	10	Dr. M. A. Eswaran Scholarship for a deserving student of M.Sc. Life Science	Mr Jason Samuel
		11		Ms Sheba Sonar
110	F	12	Gracie Borges Prize in Botany for two best dissertations in MSc Part II	Mr. Harsh Pant
		13		Ms. Anagha Santhosh
	G		GENERAL SCHOLARSHIP	
111	G	1	Prof. Edward Mendonca and Ashok Kamte Memorial Award for the Student of the Year	Na
112	G	2	the Mahindra Search for Talent Scholarship for the best academic performance at the FY.B.A. examination	Funds Unavailable Since 2019, So Scholarship Discontinued
113	G	3	the Mahindra Search for Talent Scholarship for the best academic performance at the FY.B.Sc. examination	
114	G	5	the Mahindra Search for Talent Scholarship for the best academic performance at the S.Y.B.A. examination	
115	G	6	the Mahindra Search for Talent Scholarship for the best academic performance at the S.Y.B.Sc.examination	
116	G	7	Lions Club of East Bombay Scholarship for the most promising student of the Xavier's Resource Centre for Visually Challenged (XRCVC)	Sukruta Lotlikar
117	G	8	the St. Xavier's College Association Golden Jubilee Scholarshipfor excellence in academics, co-curricular and extra-curricular activities	Na
118	G	9	the St.Xavier's College Association Fr. Balaguer Scholarship for a Senior College student who is outstanding in social work	Na
119	G	10	the Fr. M.M. Balaguer, S.J. Scholarship for hardworking Senior College Catholic student	
120	G	11	the Sabate-Freitas Memorial Fund, Shri & Smt. P. B. Fernandes-Veloz and the ArdeshirRustomjiThanawala Scholarship for a student who is outstanding in Social Work	Na
121	G	13	the Felon Bossuet Godinho Hindi Paritoshik and the Kamla Hindi Paritoshik	Ms. Khushali V. Gala
122	G	14	the Prof. Khalil Dehdashti Memorial Persian Scholarship for highest in Islamic Culture Studies	Na
123	G	15	the Hostelite Welfare and Shastri Scholarship for a deserving hostelite	Na
124	G	16	the Hostelite Welfare and Shastri Scholarship for a Meritorious hostelite	Na
125	G	17	the Vinod Mehra Scholarship for the best cultural talent	Sonali Das
126	G	18	the Late Gurcharan Kaur, Amrik Singh, Surender Jeet Singh & Varalakshimi P. Singh Scholarship for a deserving student	Manish Tyagi
127	G	19	S.N. Iyer Q.C & Dr. Irene Charity Trust Scholarship for a deserving student	
128	G	20	S.N. Iyer Q.C & Dr. Irene Charity Trust Scholarship for a deserving student	
129	G	21	S.N. Iyer Q.C & Dr. Irene Charity Trust Scholarship for a deserving student	
130	G	22	S.N. Iyer Q.C & Dr. Irene Charity Trust Scholarship for a deserving student	

Sr.No.	SR		Name of the Scholarship	Name of the Awardee
131	G	23	S.N. Iyer Q.C & Dr. Irene Charity Trust Scholarship for a deserving student	
132	G	24	S.N. Iyer Q.C & Dr. Irene Charity Trust Scholarship for a deserving student	
133	G	25	S.N. Iyer Q.C & Dr. Irene Charity Trust Scholarship for a deserving student.	
134	G	26	S.N. Iyer Q.C & Dr. Irene Charity Trust Scholarship for a deserving student	
135	G	27	S.N. Iyer Q.C & Dr. Irene Charity Trust Scholarship for a deserving student	
136	G	32	S.N. Iyer Q.C & Dr. Irene Charity Trust Scholarship for a deserving student	
137	G	33	the Gurudas Bailur Scholarship for a deserving student	Suraj Dubey
138	G	34	Scholarship for a deserving Catholic Student	Melron Dsouza
139	G	35	Mrs. Livie Viegas Scholarship for a deserving Catholic Student	Shirley Fernandes Tyba
140	G	36	Mrs. Livie Viegas Scholarship for a deserving Catholic Student	Maria Misquitta
141	G	37	Mrs. Livie Viegas Scholarship for a deserving Catholic Student	Rebecca Coutinho Tyba
142	G	38	the Ashok Kamte Memorial Scholarship for an outstanding student of the college	Na
143	G	39	the Ashok Kamte Memorial Scholarship for the most helpful student of the college	Na
144	G	40	the Prema Arya Memorial Scholarship to a deserving student of Microbiology	Ann Maria Anthony
		41		Bipasha Kulkarni
145	G	42	Sheila & Ben Jacob Memorial Arts Prize for a deserving girl student	Janice Lobo
146	G	43	Chandrakant Gupta Scholarship for a deserving girl student	Preeti Jadhav
147	G	44	O.A. Mathen Memorial Scholarship for a deserving girl student	Alessa Lopes
148	G	45	Vibha & Bhalchandra Dave Trust Fund Scholarship for a deserving post graduate student of Microbiology	Mr. Sylvester Joseph
		46		Ms. Akshita Desai
		47		Ms Stella Ponshekar Nadar
149		48	the Dr. Yvonne Mae Freitas Scholarship for a deserving student of Microbiology	Ann Maria Philip
150	G	49	Late. Smt Kaushalya Nayar and Late Shri. Kahan Chand Nayar Scholarship for a deserving girl student	Srushti Singh
		50		Sandhyarani Naik
		51		Benisha Cardoza
151	G	52	the Late Prof. Cavas J. Shroff Scholarship for a deserving girl student pursuing B.Sc	Sree Lakshmi
152	G	53	the Late Mr. Manu Vasudeva and Mrs. Prabha Vasudeva "Nishtha" Scholarship for a deserving girl student in B.A.	Lora Dsouza
153	G	54	the Late Mr. Manu Vasudeva and Mrs. Prabha Vasudeva "Nishtha" Scholarship for a deserving girl student in B.Sc	Aishwarya Babu
154	G	55	the Late Mr. Manu Vasudeva and Mrs. Prabha Vasudeva "Nishtha" Scholarship for a deserving girl student.	Violet D'souza
		56		Sajiya Hassan
		57		Anamika K
	H		SPORTS SCHOLARSHIPS (NOT applicable this year)	
155	H	1	the Valerian F.X. Pais Scholarship for excelling in academics and representing College in various sports events.	
156	H	2	the Late John C. Pinto Scholarship for an outstanding sportsman (preferably in Hockey / Football).	
157	H	3	the Mr. Hadi C. Tyabjee, Prof. Godfrey G. D'souza Scholarship for a student with the best record at inter-collegiate or inter-university events.	
158	H	4	the Mrs. Meherbai Dorabji Hilloo Desai, Joseph Manuel and Prof. Godfrey D'souza Scholarship for the best male athlete.	
159	H	5	the Joseph Manuel, Prof. Godfrey D'souza, Jehangir Rustomji Dhabher, Mrs. M. R. de Souza, Sir Ness N. Wadia Scholarship and Willie Fernandes scholarship for excellence in Football.	
160	H	6	the Ashok Kamte Memorial Scholarship for excellence in Basket Ball	
161	H	7	the Ashok Kamte Memorial Scholarship for Best female athlete.	
162	H	8	the Ashok Kamte Memorial scholarship for a student who has distinguished himself in an individual sport.	
163	H	9	the Ashok Kamte Memorial scholarship for excellence in Academics and representing college in various sports events (Senior College)	
164	H	10	the Ashok Kamte Memorial scholarship for outstanding sportsman in Hockey (Junior College)	
165	H	11	the Ashok Kamte Memorial scholarship for outstanding sportsman in Football (Junior College)	

RESULTS

UNDER-GRADUATE STUDENT TOPPERS ON THE BASIS OF CGPA

CLASS	NAME OF STUDENT	CGPA
TYBA	Shruti R Swaminathan	10.00
	Anjirbag Farishta Malcolm	10.00
	Lobo Janice Jefri	10.00
	Oke Gayatri Sandeep	10.00
	Pillai Malavika Santosh	10.00
	Joseph Samantha Shammy	10.00
	Shreyas	9.98
	Rhea Banerjee	9.98
	Rajat Rajendra Varma	9.98
	Trivedi Pranati Saumitra	9.97
	Sengupta Tahiti Keshab	9.97
	Riddhi Agarwal	9.97
	Gandhi Krisha Dhananjay	9.97
TYBSc	Botadkar Tanish Vipin	9.99
	Ketaki Yogesh Sandu	9.99
	Vatsal Bothra	9.96
	Atharva S Naik	9.95
	Ragini Khanna	9.95
TYBCOM	Priya Yadav	9.77
	Shivani Khandelwal	9.77
	Anshi Singh	9.64
	Kumari Priyanka	9.42
TYBMM	Dedhia Natasha Dhimant	9.83
	Chhavi Tayal	9.83
	Pandya Helee Mitesh	9.79
	Serena Rodrigues	9.78

TYBMS	Mirza Fareez Ronnie	10.00
	Chudiwala Sakshi Sushil	9.98
	Lobo Jovita Manuel	9.96
TYBSc-IT	Vandan Rogheliya	9.82
	Pranav Jain	9.73
	Randeria Kartik Haresh	9.73
	Naveen Chandel	9.69

POST-GRADUATE STUDENT TOPPERS ON THE BASIS OF CGPA

CLASS	NAME OF STUDENT	CGPA
MA - AIC	Shriwastav Abhranta Sunil	9.52
	Priya Agarwal	9.23
	Pandey Arpita Atul	9.16
MA - Public Policy	Ivin Tomy	9.76
	Palak Malhotra	9.55
	Shivani Raheja	9.52
MA - Psychology	Sneha Chatterjee	9.80
	Atulya Kharbanda	9.80
	Sanyukta Golaya	9.78
	Tanya Ann Antony	9.78
	Mehr Bindra	9.64
	Naina Uppal	9.64
MSc - Biotechnology	Sehgal Nidhi Vivek Rajshri	9.86
	Shreya Srinivasan Nair	9.74
	Pujare Komal Dasharath Dipika	9.74
	Waghoo Sanober Mohd Arif Hamida	9.74
	Badigannavar Neeti Anand Geeta	9.71
MSc - Botany	Uniyal Kajal Govindram Kamaladevi	10
	Shreya Sen Das	9.98
	Dias Analise Armando Gracy	9.96

CLASS	NAME OF STUDENT	CGPA
MSc – Geology	Shalini Saikia	9.48
	Prabhu Siddharth Paul	9.31
	Abigail Maryanne Rebello	9.21
MSc – Life Science	Petare Apeksha Milind Anupama	10
	Naik Atharva Yatin Kavita	10
	Nachanolkar Neha Sanjay	9.96
	Singh Samant Kshirabdi Taneya Balaji	9.88
MSc – Microbiology	Dsouza Alister Danny Adrian Averell	9.96
	Maitri Khemka	9.92
	Karnik Priya Neelesh Nutan	9.83
MSc – Physics	Khan Mohammed Aqib Mohammed Naseem	9.75
	Aashiya Anitha Shaji	9.50
	Dusane Pinak Prafulla Prajakta	9.33
MSc – Big Data Analysis	Shubhashree Sur	10.00
	Nagi Khushdeep Kaur Jeevanjyot Singh	10.00
	Menon Praveena Premanand Parvati	10.00
	Nimita M Nanvani	9.97
	Daniel Barretto	9.97
	Bhansali Risha Shekharbhai	9.97
	Rohan Vishnu Patil	9.94
	Thakur Anuya Mahesh Seema	9.94

In
Conversation
With
Globalisation



COUNCIL FOR INTERNATIONAL PROGRAMMES (CIP)

THE SEASON OF TRIALS AND TRIUMPHS

If COVID-19 destroyed lives, it foregrounded people's resilience too. The International Programmes at St. Xavier's during COVID-19 was a result of the tenacity of the student-participants and the organisers. They showed the temerity to overcome the trials posed by the pandemic. St. Xavier's could participate in some of the programmes during the academic year 2021-22.

Outgoing foreign exchange programmes' participants included three students who spent two semesters at their chosen destination. Ms. Lia Samara Swaminathan (TYBSc) went to Sciences Po, France. Amatullah Batterywala (SYBMM) studied at Comillas, Spain. Saurav Cyriac (SYBA) had his stint at IESEG School of Management, France.

The Berkeley Summer School sojourn was revived. Dewansh Chauhan from SYBA participated in the Berkeley Summer School at University of California, Berkeley starting from May 2022.

The Harvard College in Asia Programme (HCAP) materialized both online and offline. While our students had to attend the Harvard Conference online, two Harvard students visited St. Xavier's in March for the Indian Chapter of the Harvard College in Asia Programme Conference. The following students from St. Xavier's participated in HCAP: Jatin Khare (SYBMS), Khushi Desai (SY BAMCJ), Anuj Khare (SYBA), Shaurya Nathan (SYBSc – IT), Ria Shukla (SYBA), Tavishi Parmar (SYBAMCJ), Aarushi Gupta (SYBAMCJ), Shreya Jalan (SY BAMCJ). The theme for this year's conference was *'Interdisciplinary Innovation: New Ways to Approach a New World'*. During the Indian Chapter of the conference in March 2022, the following faculty delivered insightful lectures. Ms. Ankita Gujar's lecture was called *Street Art, Information and Expression in Urban India during the Pandemic*. Ms. Perrie Subramanian's lecture was entitled *Immersive Media and the Metaverse through the eyes of Eastern Wisdom*. Dr. Radha Kumar's talk was called *Synergy – Taking the Ancient with the Modern*. Dr. Agnelo Menezes delivered the keynote address. Principal Dr. Rajendra D. Shinde too graced the occasion. This conference was held at a time when the college was in hybrid mode.

The Online Course – In Conversation with Globalization was purely online unlike the non-COVID times where one of the modules would consist of a field trip in any one of the partnering countries. The online course was held as always between the Department of English at St. Xavier's College, University of Stuttgart, Germany, Stellenbosch University, and South Africa, University of Bergamo, Italy. *COVID19 – Lessons Learned and Globalization* was the theme of the Online Course. Four of our students from SYBA English participated – Gauri Mande, Dewansh Chauhan, Rachel Jacob and Sakshi Nadkarni. Ms. Ankita Gujar, Assistant Professor from the Department of Sociology and Anthropology from St. Xavier's gave an engaging lecture entitled *"Public Artworks, Artists in Indian Cities and the Pandemic."*

The never-give-up spirit of the participants allowed the above-mentioned programmes to achieve fruition. I am grateful to the Faculty members of the CIP team for their enthusiastic support in everything that the CIP engaged with. My sincere thanks to the Management, the Principal, Vice-Principals, the General office, Treasurer's office and every other group in our institution. A special word of thanks to Mr. Anand Alphanso who has helped with the official documentation. We look forward to an energetic new year as we march back to normalcy.

Dr. Rashmi Lee George
Director, CIP



Campus Dynamism



ECC

The Academic year 2021-22 witnessed the revival of almost all ECC activities under its various forums and workshops. However while most of it was online we could organise few of them offline while ensuring all Covid-related protocols. Apart from these workshops and forum activities, student contingents were also sent to various inter-collegiate festivals across the city.

To celebrate the Feast of St. Ignatius of Loyola and Annual College Day, a short programme was held online on Zoom by ECC and an effort was made to make it as lively as an offline celebration. To commemorate the Feast, a hymn dedicated to St. Ignatius and a short documentary on his life were presented by students of ECC and AICUF teams respectively. On this occasion our Principal, Dr. Rajendra Shinde, Rector, Dr. Fr. Keith Dsouza and Fr. John Rose released a book titled '*Jesuit Initiatives in Indian Higher Education*' edited by Dr. Joan Dias, Fr. Savio Abreu and Fr. Keith Dsouza.

'*XPlore*' (Humanities and Sciences), the Research Journal of St. Xavier's College, was also released on this occasion, and was followed by the Annual College Report for the academic year 2020-21 presented by the Principal. General Secretary and other members of the Student Council as well as the Cultural Secretary and other ECC student team members were introduced to everyone. The formal section was followed by an aesthetic cultural segment consisting of a dance performance by MVM, a soulful flute recital by Megh Kanvinde, a classical dance by Surabhi Mishra and a song by Megan Desouza.

Everyone then took a walk down memory lane with a nostalgic video showing the beautiful college premises. Devansh Tandan, the Cultural Secretary, proposed the vote of thanks and the programme concluded with the singing of the National Anthem.

The recording of the event is available on Youtube at the following link: <https://youtu.be/AR1UTVtdiEw>

The 75th Independence Day celebrations organised by the Extra Curricular

Committee of St Xavier's College, Mumbai was premiered on YouTube on 15th August. The celebrations began with the flag hoisting ceremony held on campus along with the release of the Hindi Department's 'Hindi Se Hindi Shabd-kosh' by HOD Dr. Bhagwati Prasad Upadhyay. The Principal, Dr. Rajendra Shinde, gave the inaugural address. Various performances organised by different committees were held as part of the celebrations. A beautiful composition was narrated by Srishti Mehrotra and was followed by a dance performance by Nikar Jain. Abin Benny, General Secretary-Student Council and Devansh Tandan, Cultural Secretary expressed their views on the significance and relevance of Independence Day in present times. An amazing patriotic blend of Indian and Western instruments by Hardik Kumawat, Tanvi Narayanganonkar and Aditya Borah together was played, followed by a sitar rendition of the bhajan 'Raghupati Raghav' by Jahnuvi Deshpande that added grace to the celebrations. Andrew De Sousa-Coordinator PR, proposed the vote of thanks and the programme was concluded with a beautiful instrumental music mix by Mahek Singh.

The event was narrated by Bhavika Chawla, Bhakti Chaudhari, Hridya Shinde and Surabhi Mishra, Heads of different committees and coordinated by the ECC staff and student team.

The video of the Independence Day virtual celebration is available on YouTube at the following link: <https://youtu.be/x8UXCMrJNth0>

Activities under Various ECC Forums

LITERARY ARTS

Pen Point Writing Workshop
Conducted by - Literary Arts
(Coordinator: Bhakti Chaudhari) &
Inky Parchments (Junior College
Literary Circle)
Resource Person -Aashvi Shah
Date - 20th November, 2021.

The 'Pen Point' Workshop was organised by the Literary Arts (LA) forum in collaboration with Inky

Parchments, the junior college literary circle of St Xavier's College, Mumbai on 20th November, 2021. The workshop was conducted by Ms. Aashvi Shah, a media student from UPG College, Vile Parle.

The event was organised to help budding writers improve their writing and promotion skills and towards the end of the workshop, the audience participated in an exercise wherein they had to write a 40-word micro-tale using the prompt given. The writing workshop proved to be a massive success as 75 willing and active participants dropped in their thoughts about the workshop and exchanged book recommendations.

The workshop ended with a vote of thanks to Ms. Aashvi Shah and the audience.

Panorama
Conducted by - Literary Arts
(Coordinator: Bhakti Chaudhari)
Date - 4th December, 2021.

Panorama was aimed at giving people a literary open mic where they would express their views on different movies, characters and story lines. Everyone reads a different story from the same book and the same was done even with multimedia.

There was a set of five genres namely romance, fantasy, comedy, horror and crime. The session was moderated by the Head of Literary Arts and the rest of the session was conducted by the department volunteers. There were five breakout rooms based on the five genres; each breakout room focused on a genre and engaged the participants in different, interesting concepts and conversations to see how they all view a single movie and its characters in contrasting lights.

There was a comparative analysis carried out for movies where the participants expressed their likes and dislikes in terms of cinematography, animation, plot, character development, the end, etc. All the breakout rooms were successful in sharing multimedia simultaneously in innovative ways.

The success of the session can be demonstrated by the fact that it exceeded the time limit by 20 minutes as the participants were really enjoying their interactions with each other and the LA team. The session ended with everyone exchanging huge lists of movie and book recommendations.

Steller '22

Conducted by - Literary Arts (Coordinator: Bhakti Chaudhari) x Tape A Tale

Date - 22nd January, 2022.

Judges: Ms. Kopal Khanna and Mr. Ali Hussien

Literary Arts (LA) and the Forum of Extra Curricular Committee (ECC) collaborated with 'Tape - A - Tale' for their annual flagship storytelling event-Steller '22, Phase - 1 on 22nd January, 2022. 'Tape - A - Tale', a platform where people share their personal stories for the world to listen to. It is one of the most loved communities of the youth; their YouTube channel itself has more than 2.2 million subscribers.

Ms. Kopal Khanna and Mr. Ali Hussien, the co-founders and the backbone of 'Tape - A - Tale' were the guest judges for the session. In total / overall, there were 12 storytellers and the stories narrated by all of them were exceptionally creative. The various themes that the stories addressed were love, healing, life, dreams, self-introspection, experiences, humour and many more. Every performer had a unique story and the audience was extremely encouraging as well. The winner selected at the end of session entered the Phase - 2 of Steller '22.

Overall the event was a grand success.

FINE ARTS FORUM

Stippling Art Workshop

Title: Stippling Art Workshop

Date: 25th September, 2021.

Conducted by - Fine Arts (Coordinator: Bhavika Chawla), Riliaca Fernandes (Volunteer), Shruti Bawiskar (Volunteer), Sara Fernandes (Volunteer), Radhika Jain (Volunteer), Alannah Alexia Vaz (Volunteer)

Resource Person - Prisha Shah

With stippling art being a very unique form of art and simultaneously something simple that doesn't require a lot of material, the Fine Arts Forum of ECC conducted a *Stippling Art Workshop* facilitated by Prisha Shah, a design student, on 25th September, 2021.

30 enthusiastic participants were a part of our hour-long, fun and interactive workshop, which was enjoyed by everyone who attended. Every participant came out with their own art piece.

Spooktacular Bottle Art Workshop

Conducted by - Fine Arts (Coordinator: Bhavika Chawla), Riliaca Fernandes (Volunteer).

Shruti Bawiskar (Volunteer), Sara Fernandes (Volunteer), Radhika Jain (Volunteer), Alannah Alexia Vaz (Volunteer).

Resource Person - Khushi Goradia

Date - 29th October, 2021.

With 'Reuse' being the need of the hour and Halloween in tow, the Fine Arts Committee of the ECC, conducted a *Bottle Painting Workshop* facilitated by Khushi Goradia, a First Year student from our own college on 29th October.

The session started with the resource person signifying the need for *Reuse* and the various artefacts created by her through this. By the end, all participants through online instructions were ready with their painted bottles. Overall, it was a pleasant experience for all the 20 participants involved.

Christmas Origami Workshop

Conducted by - Fine Arts (Coordinator: Bhavika Chawla)

Resource Person - Vedha Bhasin

Date - 22nd December, 2021.

Making DIY décor is one of the best ways to begin the holiday season. The Fine Arts Committee of ECC understood and executed this efficiently. The Fine Arts Committee conducted an Origami Christmas Décor workshop on 22nd December, 2021.

Participants were given instructions for making the origami star and wreath. By the end of the workshop, each

of the participants were ready with their pieces.

Rock Painting Workshop

Conducted by - Fine Arts (Coordinator: Bhavika Chawla; Volunteers: Riliaca Fernandes, Shruti Bawiskar, Sarah Fernandes, Radhika Jain)

Date - 24th January, 2022

Resource Person: Alannah Vaz

What better way to begin this new year, than with some good old paint and challenge one's creativity by switching the paper with a rock. Yes, you read that right. The Fine Arts Committee of ECC conducted a Rock Painting Workshop on 24th January, 2022.

It was an hour-long workshop that was enjoyed by every participant and brought out our inner Picasso with everyone ready along with their painted rocks.

LEARNING FOR LIFE (LFL)

This year 'Learning for Life' conducted several workshops keeping in mind the overall wellbeing of students.

Meditation and Mindfulness

Conducted by- Learning for Life (Coordinator: Lakshya Dugar)

Resource Person- Shradha Mehta

Date- 19th September, 2021.

The meeting commenced with Ms. Shradha Mehta introducing students to the concept of mindfulness; how to be self aware and the importance of the same. Some exercises included body scanning, breathing, hearing exercises and even moving around whilst being aware of our surroundings were shown to students, so as to focus on our body, breath and senses.

It was an interactive session that saw good participation from most attendees; a total of 27 who joined. This workshop served as a good starting point for everyone to direct their emotions and thoughts in a more positive way.

LIFE SKILLS SERIES OF WORKSHOPS

TEAM: Head - Lakshya Dugar, Sae Pathak, Shirley Chawla, Sanskriti Dutt and Samridhi Gupta

The motivation behind conducting the “Life Skills” workshop series was to give a structured flow to those looking to pick up some essential lessons as they transition from childhood to adulthood. The five most important topics that fit this theme were organised into five independent workshops covering subjects like:

1. **TRANQUIL TALKS** - Self-expression, Communication & Networking.
2. **GETTING THINGS DONE** - Time Management & Procrastination.
3. **LET’S TALK MONEY** - Budgeting, Saving & Dividing Finances.
4. **CLIMBING THE LADDER** - Internships, CVs, Resumes, SOPs & Interviews.
5. **LIFESAVER ACADEMY** - Emergency Safety Training & First Aid.

5 workshops in a little over one and a half months (from 21st of December to the 8th of February), saw close to **500 registrations**.

Administrating feedback forms at the end of each session, and listening to the feedback from each resource person, made every workshop better than the last. We look forward to taking this learning and further this envelope in the coming years as part of the **Extra Curricular Committee** and students of **St. Xavier’s College**.

- 1) **TRANQUIL TALKS**- Self-expression, Communication & Networking
Date & Time: 21st December, 2021.
Resource Person: Ms. Tanvi Patil

The resource person, Ms. Tanvi Patil, (Alumnus of St Xavier’s College) an expressive arts therapist and a co-lead for youth for expressive arts, introduced the students to the concept of expressive arts therapy and how to greet our interactive spaces with the help of art and materials we have access to.

She helped the students use art in order to depict their

feelings and asked them for their unique interpretations of the same. The meeting concluded with a fun element, where she instructed students to imagine that there was a box wherein they are supposed to give and receive any one thing from it which they needed. It was an interactive session and saw a good participation of 43 students joining in. The workshop provided a safe space for students to express their thoughts and feelings and also to learn subsequently.

- 2) **GETTING THINGS DONE** - Time Management & Procrastination
Date & Time: 28th December, 2021.
Resource Person: Lt. Col. Rakesh Krishnan

The workshop, conducted by Lt. Col. Rakesh Krishnan, was meant to help students overcome the problem of procrastination, teach them how to manage stress effectively and how to make the most of their time. The session began with the speaker explaining the importance of our mindset in everyday life. This was done with the help of several real-life examples from the speaker’s life when he was serving with the Indian Army.

The session was open- ended and unstructured to ensure that it wasn’t monotonous or repetitive. The speaker culminated the session with a Q&A round through which participants got glimpses into the everyday schedule of the speaker and how he practices self-discipline and time management.

The session proved to be interactive with the participation of 42 people. It helped students gain insight into how they can make most of the time that they have.

- 3) **LET’S TALK MONEY**- Budgeting, Saving & Dividing Finances
Date & Time: 18th January, 2021.

Resource Person: Shailesh Periwal

The resource person commenced the workshop by an interactive Q&A round with the participants to get to know the audience and accordingly advised a lot of easy to implement practical tips and tricks to help students get started the right way.

Additionally, he shared his personal experiences and mentioned the various ways everyone repeats the same mistakes, how we can implement ways to avoid them and lean towards a smarter way of living. This workshop had an active participation of 67 students.

- 4) **CLIMBING THE LADDER**- Internships, CVs, Resumes, SOPs & Interviews
Date & Time: 18th January, 2021.
Resource Persons: Dr. Maya Murudeshwar & Ms. Khyati Khandelwal

Both the speakers shared lessons learnt from their personal experiences as well as some tips to make one’s documents stand out, how to reach out to people via LinkedIn and other platforms, choose the right internship, what to expect when preparing for an interview and how to answer some of the frequently-asked questions during interviews.

We received quite a lot of questions from the attendees which were satisfactorily answered by the speakers. They also shared some insightful information regarding the resources that Xavier’s provides which can help with internships, SOPs, Presentation skills, etc.

- 5) **LIFESAVER ACADEMY**- Emergency Safety Training & First Aid
Date & Time: 8th January, 2021.
Resource Persons: Dr. Sonali Paradkar

Dr. Sonali covered some of the most essential points of First Aid

and Emergency Safety Training. First by explaining the important contents in a first aid kit and how to properly assemble one for both home use and travel and most importantly, how to have a calm and suitable mindset while performing the necessary aid.

Participants were introduced to the do's and don'ts of dealing with burns, fractures and other such injuries. The appropriate way of performing CPR and additional resources were also provided to all the participants to ensure everyone is responsible and careful in case they are performing first aid to a person in need.

Due to the niche nature and audience of the workshop, the conversation was more direct and personal. This was followed by a Q&A session. Following this session, Lifesaver Academy being the last workshop in the Life Skills series, our team concluded the workshop and the series as a whole.

WORLD PERFORMING ARTS

Workshop on Basics of Chords and Songwriting

Conducted by - Western Performing Arts (Coordinator: Aditya Borah)
Resource Person - Tajdar Junaid
Date: 9th October, 2021.

The World Performing Arts committee under the Extra Curricular Committee organised a workshop on 'The Basics of Chords and Songwriting' on 9th October, 2021. The workshop was conducted by Tajdar Junaid, the Multi-Instrumentalist Film and Music composer and producer with accolades like Sundance and HOTDOCS Best Documentary Award. The session was coordinated by Aditya, Joshua, Mahek, Bhavya, Wyman, Akshata, Tanisha, Pratchi, Raghav, Mahima, Mevin and hosted by Akshata. The workshop had an audience of around 50 students.

The workshop started by the artist introducing himself and his journey in the field of music. He further went on to give the audience an insight about the basic shapes of chords in a guitar and briefed the audience about

the intricacies involved in creating a musical piece.

The workshop had a very interactive Q&A session with the audience. He also answered questions about the importance of ear training and music theory in becoming successful in the music industry, the impact of record companies, and many more. The workshop was concluded, with him playing a melodious piece of music for the audience.

The attraction of the workshop was that, it was not only useful to the students interested in music and its creation, but also intriguing and fascinating for students of every field. Throughout the workshop, he emphasised on the importance of belief in oneself and doing what one likes. One value we could all take back from the workshop is pursuing what one enjoys doing and having confidence in it. The workshop was a success owing to the humble nature of the artist, the participation of the audience, and the coordination between the organising members.

INDIAN PERFORMING ARTS

Open Mic

Conducted by: Indian Performing Arts (Coordinators: Surabhi Mishra, Anjali Warriar)
Date: 17th September, 2021.

There were 75 participants. There was one solo drum performance, one acting performance, nine poetry recitals and five singing performances. The performers unanimously suggested for more such events to be organised in the future.

Illumine: Unravelling Abhinaya

Conducted by: Indian Performing Arts (Coordinators: Surabhi Mishra, Anjali Warriar)
Date: 21st December, 2021.

31 participants of this workshop took lessons from Ms. Prachi who gave them a brief introduction to the world of classical dancing and the importance of "Abhinaya". In her own words, "The concept of art is movement expressed through pace and fluidity of motion. Dance is a story where the dancer is the writer as well as the portrayer."

The highlight of the entire event was when Ms. Prachi performed a small piece depicting different Rasas on the raga "Indendu Vachiti Vera". She also arranged for two activities/exercises to reach out to the audience and encourage participation. One of the activities encouraged the students to portray different emotions based on a given situation specified by the resource person.

The session ended with her reading out an extract stressing on beauty, simplicity of dance and "Abhinaya". It read, "The Sthayi Bhavas, the different Rasas are all but colours of a single white light. The dancer's movement is like a prism which facilitates the seeing of the spectrum of colours but it is never complete unless both the dancer and the audience experience the luminosity of the 'One Light'."

VASANTHA

Event: Vasantha- the Indian classical music workshop, facilitated by Ms. Isheetta Chakrvarthy, renowned musical artist

Date: 10th February, 2022.

The resource person began the workshop with a narration of her own experience as a child brought into the world of Hindustani classical music, and how she grew to love the art form and make it her own.

She demonstrated some simple yet incredibly insightful vocal techniques to improve breathing and vocal range. She emphasised on the importance of letting our voice emerge from the diaphragm and sang beautiful renditions of a *thumri* and the raag *Yaman* capturing the audience's attention with her melodious voice.

The workshop concluded with an interactive session and ended with a sound piece of advice, saying that it is best to stay rooted in one form of art while spreading our branches to dabble in other forms occasionally.

DEBATING SOCIETY

Debating Society Orientation on 9th September, 2021, organised by DebSoc saw an attendance from 103 students

The orientation had three parts- an introduction of the society, a Q&A session for the participants to clear any doubts they might have regarding the workings of the society, and try-outs for the University College London Cup and Cambridge Debate.

It began with a brief introduction of the core committee. Akanksha Mishra, the head of DebSoc and the sub-heads, Maitreyi Arwari and Soumitri Debroy, charmed us all with their wit and humour. Following the quick icebreaker, the participants were informed of what the society does. Sending contingents to intra and inter-collegiate events at both the national and international level, along with workshops and weekly practice sessions, proved the enthusiasm and dedication.

The achievements of the society in the previous academic year, i.e., 2020-21, were then displayed - a spectacle to marvel at. The list was never-ending and if there was an ounce of hesitation about the seriousness of the society, it evaporated into thin air.

After a wonderful warming up session that included going through the rules of debating for all newbies, the platform was open for a Q&A round.

The stage was ready and heated up for the debating to commence sans the verbal spats one usually sees in real parliaments, not that everyone would be opposed to a little bit of spice. The participants were divided into teams, and they put forth their knowledge and persuasive skills to fire up the meet.

Choosing the best debaters was definitely a task for our heads. However, what must be done, must be done. Several people were then selected to represent St. Xavier's at the University College London President's Cup and the Cambridge Debate Competition.

FITTOOR - THE THEATRE SOCIETY

Theatre Society (Fittoor) Orientation

Conducted by - Theatre Society (Fittoor) (Coordinators: Neha Rani,

Meghna Banjan, Tanya Dsouza)

Date: 16th September, 2021.

The orientation of Fittoor, the Theatre Society of St. Xavier's College, Mumbai for the academic year 2021-22 was held on 16th September, 2021 on Zoom. The event began with a PPT (that was shown throughout with relevant slides) welcoming all the attendees while Meghna Banjan, the Co-Sub-Head of Fittoor, addressed the audience and officially commenced the orientation.

The three heads spoke about the flagship fest of Fittoor- 'Jashn-e-Fittoor', our participation in all college fests, multilingual plays, contests, open mics, collaborations (within college clubs and inter-collegiate), workshops, and bonding sessions.

To end, the sessions there was a Q&A round to solve the doubts that any attendee may have. With this, the orientation officially ended. In conclusion, it was a fun, interactive and engaging session for all.

Fittoor Workshop: Dramatically Yours

Conducted by- Theatre Society (Fittoor) (Coordinators: Neha Rani, Meghna Banjan, Tanya Dsouza)

Resource person- Mausam Nagda (Expressive Art Therapy Practitioner and Training; Alumni of Xavier's College and Sub head of Fittoor 2019-2020)

Date: 28th October, 2021.

The orientation started with Mausam showing a PPT and explaining how theatre as a whole can help us achieve mental peace and better understand ourselves through exploring different areas outside one's comfort zone.

All attendees were made to do some fun and creative exercises for better engagement. The participants were divided into 4 groups of 4-5 members and each group was given a scenario to enact on. The exercises helped them understand teamwork and working with people with different areas of expertise.

In conclusion, the workshop was fun, interactive, creative and very informative.

The 2021 Files

Conducted by- Theatre Society (Fittoor) (Coordinators: Neha Rani, Meghna Banjan, Tanya Dsouza)

Date- 8th December, 2021.

Guest speaker: Apeksha Harsh, Arts in Education Facilitator

The workshop reminded everyone of the little things that make us happy about life and our nature of forgetting to be grateful for everything that's happening around us. It was a wonderful session to reflect and express it all in a creative manner.

FITTOOR - Open Mic Event Karwaan 1

Date: 15th December, 2021.

Guest performer: Shivani Patekar, Founder of Fittoor, the Theatre society, Head of Fittoor (2014-15).

She taught theatre lessons to small kids in a government school of Mumbai through history lessons and literature classes in collaboration with *Teach for India* fellowship. In 2019, she worked with a student theatre group from a low income community in Pune on a large-scale musical called "The Greatest Show On Earth" which was staged at the Opera House.

The first performance was by Shivani herself who presented a poetry reading of 'Madhushala' which was followed by performances from the students of St. Xavier's College ranging from music to poetry. The event was moderated by Keyuri (Head of direction department-Fittoor) and Yash (Head of writing department-Fittoor).

Each performance was met with an enthusiastic response from the audience through the chatbox, emoji reactions, and lots of positive feedback. This open mic event created a warm, friendly and safe environment for all artists to perform and left the viewers with tears, goosebumps and smiles.

FITTOOR - Open Mic Event Karwaan 2

Date: 15th January, 2021.

Guest performer: Raman Iyer

The resource person is the co-founder of the well-known and respected band: Neeraj Arya's 'Kabir Café', co-composer

for songs of the movies 'Baadshaho', 'Hindi Medium' and the web series 'scam 1992'.

The first performance was by Raman Iyer who presented a beautiful story narration and mandolin performance, which was followed by performances from our students ranging from music to poetry and from beatboxing to storytelling through dance. Each performance was met with an enthusiastic response from the audience through the chatbox, emoji reactions, and lots of positive feedback.

Personal comments were shared with each performer by our guest performer along with informative tips that would help them improve and grow in their respective art forms.

FITTOOR - Open Mic Event Karwaan 3

Date: 15th February, 2021.

Guest performer: Razik Mujawar

With 2 times National Level Award for his singing, signing a deal with a UK based label 'Ostereo Music' and releasing a cover EP Album, 'At Home Session', the resource person started the event by performing a mashup of songs and some of his latest original works. It was a blissful and joyful evening followed by 14 other performers from St. Xavier's college. This Karwaan was inclusive and provides a safe and comfortable space to all our performers. Some visually challenged members of Fitoor also showcased their singing talent.

Lot of motivation and appreciation was given by the guest speaker and the audience through the chat box and feedback. The event ended with a jamming session by some of the audience members.

What are your Words Worth? - Storytelling Competition

Conducted by - Theatre Society (Fitoor) (Coordinators: Neha Rani,

Meghna Banjan, Tanya Dsouza)

No. of participants : 15

Judge : Nadeesh Bhambi

The storytelling competition was announced on **10th November, 2021**, where the participants were given 1 week (till 16th November, 2021) to upload their files in a video format.

The rules of the competition were:
Time limit- 1 minute minimum and 2.5 minutes maximum
Language - Hindi or English
Judging criteria- Plot and Delivery (voice projection, enunciation and expressions)

The results were announced on 20th November, 2021.

First prize - Daniya Dabre

Second prize - Steffy Emmanuel

Third prize - Neha Rani

The winners' stories were posted on our Instagram page.

Compiled by: **Anushka Agarwal,**
Staff Convenor

LANGUAGE LAB

The academic year 2021-22 witnessed certain changes in the mode of student faculty interaction and modifications in methods of teaching along the hybrid mode. With the post lockdown situation, the year for Language Lab continued with virtual remedial classes for the outstation students of FYBA who required additional help with

studying for Effective English Skills. Students were also referred by their respective subject teachers from Arts and Sciences for online remedial coaching. It was a new experience as most of the sessions were on blended mode. Google Classrooms allotted for each class saw further participation by the end of this year. We currently have a total of more than 600 undergraduate

and postgraduate students registered. Special sessions on Google Meet were conducted for students who could not attend offline sessions until the end of 2021. The objective was to add to students' soft skills preparation along the lines of virtual communication per their career plans. A few are mentioned below -

Virtual Sessions for UG and PG Students

Session Name	Content	Date	Student Groups	Duration
'Chunk and Chew'	Activities based on Advanced Vocabulary	22/08/2021	BA, BSc, BMM, BMS	60 mins
'Paparazzi and Other Things'	Mass Media Vocabulary for Entrance Exams	25/08/2021	BA, BSc, BMM, BMS	50mins
'Keep Calm and Finish that Assignment'	Ideas for Easy Assignment Writing	28/08/2021	PG students from Sciences and BSc-IT	50mins
'25 Shades of Pink'	Public Speaking Training based on a chapter from the book 'Fetch Your own Coffee'	15/10/2021	BA, BSc, BMS, BA-MCJ	120 Minutes
'Furore Against Fabindia Commercial'	Speech Exercise for Vocabulary Enhancement based on a controversial TV commercial	27/10/2021	BA-MCJ, BMS	70 Minutes
'Communication Skills: Intermediate to Advanced'	Interactive exercises on Intermediate to Advanced grammar, vocabulary and speech skills	29/10/2021	PG - Botany, Geology, BSc-IT, FY BA Remedial	4 Hours
'Dinosaur Bursts into the UN Headquarters'	Public Speaking Training based on a video by UN	30/10/2021	BSc and BSc IT	4 Hours 30 Minutes
'Metaverse as a Set of Digital Spaces'	Public Speaking Training based on a 2-hour speech by Mark Zuckerberg	02/11/2021	BSc/ BA/ PG - Microbiology and L. Sc.	4 Hours
'Fish n Chips'	Word pairs on various topics for campus conversation	11/11/2021	MSc Botany, Biotech, L.Sc., Geo, Physics, Micro/ BSc IT, BA, BSc, BMM, BMS	4 Hours

Honours Programme

An honours programme, in online mode, was conducted in the second semester on the theme “Language in Science Journalism: Responsible Use of Language in Scientific Writing” inclusive of individual assignments on press release, column writing and review writing for a science documentary, lectures by the program coordinator on different types of journalistic writing and their significance and a participant group discussion on critical analysis of the role of science journalism, with the total duration of 15 hours. One transfer

credit was given to the students on successful completion of the course. The objective was to create scientific awareness among the masses, which has become all the more important now than ever before.

Scientific Communication Skills

Sessions were conducted for the second-year students of Mathematics on introduction to scientific communication skills, presentation skills, summary writing and book review writing. Sessions were organized online as well as in the Language Lab that enabled the instructor to use audio visual media

for executing the activities in different ways.

Language Lab is looking forward to a wider range of co-curricular and extra-curricular activities as we enter the new academic year. We extend our heartfelt gratitude to the Principal Dr. Rajendra Shinde for his constant support. Special thanks to all the Vice Principals and professors who motivate our students to write in to language.lab@xaviers.edu for online consultation for help with language and soft skills.

Ms. Jyoti P. More
In-charge

STUDENT COUNCIL REPORT (SCP)

The student council at St. Xavier’s College (Autonomous), Mumbai has always been actively involved in various activities in college. Council members constituting student representatives from different streams and backgrounds ensured fair inputs during the regularly held council meetings which led to several effective initiatives undertaken by student council. The year started with an active awareness programme (webinar) conducted in collaboration with TATA Memorial hospital during the Cancer awareness week to spread awareness about breast

cancer and preventive care. To ensure mental wellbeing of every student, the council was instrumental in ‘inclusion of weekly mentoring lectures’- wherein the students could communicate with assigned professors either on a one-on-one basis or in small groups. In the month of November 2021, It efficiently promoted the safety norms and guidelines essential for safe mode of offline college. During the same month, Student Council organized a ‘Vaccination Drive’ for students of age group-18 years and above. In the following weeks, another extremely

successful vaccination drive for the Junior and Senior College students between the age group 15-18 years was organised. In addition to these unique activities, student council along with student representatives of Extra-curricular committee organised Independence Day, Republic Day and Student Council Day celebrations.

Dr. Ashma Aggarwal
Staff Convenor

STUDENT INCLUSION CELL (SIC)

The goal of the SIC Core Committee 2021-2022 this year was to explore themes that would fall under the realm of inclusion beyond our primary focus on disability and accessibility.

The SIC Core Committee 2021- 2022 comprised 19 members divided into three departments – The **Events team** that managed all events, workshops, sessions, the SIC Honours Course and the Book Club – *Turn the Page*, the **Accessibility and Inclusion Team** that manages the Mentorship Project, the Notes Pool Project, Apps & Accessibility Informatives and Social Media Accessibility Training. The

Media &PR team manages the SIC’s Instagram and Facebook handle and makes creatives, captions and alt-texts for the events. The Media & PR team also actively works on independent PR Campaigns on relevant topics from time to time on social media.

We hosted our first event in the summer of 2021- “**Self-Care Weekend**” – a 2-day online workshop session conducted by students of the college. On 22nd May 2021, we hosted the “*Paint with Me*” workshop by Ms. Ashna Ranade. On 23rd May 2021, we had a “*Bollywood Dance Workshop*”

conducted by Ms. Bansari Ambavane. The events were light, enjoyable and a great way to unwind after a stressful month of exams.

Upon the start of the academic year, the Accessibility and Inclusion department started with the Mentorship Programme and the Accessibility Project. The A&I department worked with the XRCVC to meet mentor requirements among senior college students under the **Mentorship Program** and the **Accessibility Project** worked on creating a compilation of accessible notes for Students with Disabilities. The department also

created an **Online Accessible Learning Guide** for professors.

The A&I department took up the “**Apps and Accessibility Project**” this year wherein they took up an app every month (MS Word, LinkedIn, Youtube, Google Slides etc.) and explored its accessible features. These features were then made into informative posters and shared on our social media to educate people.

On the 5th of June 2021, we launched the SIC Book Club “**Turn the Page**” led by the Events department, the objective of the book club is to promote books with inclusive and diverse themes.

Celebrating Pride Month in the month of June, the Media and PR team took up PR campaigns on our Instagram page explaining the History of Pride and the many Pride flags. We conducted an **Instagram live** on the 19th June 2021 with a 20-year-old transwoman Ms. Prakriti Soni on her journey and experiences.

On 8th August 2021, we conducted the **Ethical Storytelling Workshop** with Mr. Krishna Warriar. This was our first event open to students outside the college and over 30% of the students were from other colleges and educational institutions.

On 16th August 2021, in collaboration with Malhar '21, we conducted our annual **Sign Language Workshop – “Actions Speak Louder”**. It was hosted by Mr. Sanjay Mungi and Mr. Gopal Motwani from Cheshire Homes. The event had over 200 participants across multiple colleges.

On 20th September 2021 we conducted the “**Intersectionality and Mental Health**” Workshop in collaboration with Hank Nunn Institute- an interactive session that focused on questioning and understanding our role and position in society and the narratives/biases we grow up with conducted by Ms. Tasneem Hararwala and Ms. Krishna Hemaraj.

We conducted our 1st online batch of the **SIC Honours Course “Diversity**

Discourse” from 26th -28th September 2021. The course was conducted by Mr. Krishna Warriar. Students applied overwhelmingly and future batches were planned.

After the odd-semester break, the team started afresh by publishing an “**Inclusive Back-to-College Guide**” on our Instagram page that garnered a lot of attention from students across the country with over 4000 students viewing and sharing the guide.

We started training the Media and PR Team further for **Social Media Accessibility** and to make our alt-texts better. Our posts and captions were analysed by Ms. Calveena over the next 30 days who imparted useful insights to become more accessible.

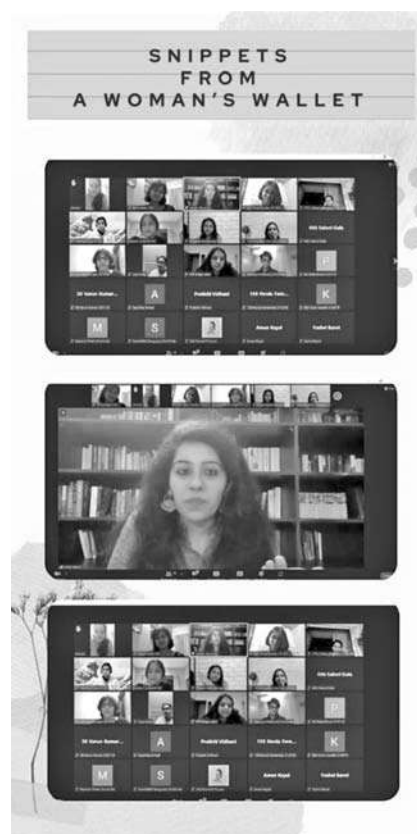
From 13-17th December, we held our 1st ‘**offline**’ batch of **Diversity Discourse** by Mr. Krishna Warriar following COVID safety norms and protocols, the program was much appreciated by students. Following this, from 20–24th December, we held the second online batch.

Taking forward our objective to host inter-disciplinary events and discussions this year, we conducted a series of events under the theme “**CROSSOVERS**”.

On 18th December we conducted the “**Conversations on Class**” – an online discussion led by Dr. Prof. Sahana Sen and Prof Arpit Gill exploring socio-economic class interactions on campus.

On 19th December 2021, we had a “**CROSSOVER**” discussion in collaboration with the EcoCircle “**A Woman’s Wallet**” – a discussion on Gender and Financial Inclusion conducted by Economist and Policy Specialist Ms. Mitali Nikore.

The A&I department facilitated a **social media accessibility workshop for student bodies** on campus on 31 January 2022 under the guidance of Ms. Calveena from XRCVC. The PR teams of three student bodies -



Department of Inter-religious Studies (DIRS), Social Service League (SSL), and Xavier’s English Association (XEA) participated in this workshop.

On 11th February 2022, we hosted “**Uncensored**” a student debate in collaboration with DebSoc. Debators presented their arguments for and against ‘Nudity in Films and TV’ and in the end engaged in a discussion on how popular media should tread the fine line between sex positivity and objectification.

The Student Inclusion Cell has been a central element of my college years, a safe space where I had the opportunity to learn, ask questions, relearn and be more sensitized in everything I do. I am grateful to the college and Neha ma’am and Sam sir for guiding me through the two years both as a member and a leader. I hope the future committees learn to make the most out of the SIC experience and cherish it as much as I do right now.

Subasri Srikanth
Overall Lead - SIC 2021-2022.

SOCIAL INVOLVEMENT PROGRAMME (SIP)

The Social Involvement Programme (SIP) is an integral aspect of education in St. Xavier's College (Autonomous), Mumbai. The social distancing norm necessitated by the current pandemic prevented our First Year (FY) SIP student volunteers from physically co-partnering with NGOs while completing their SIP credits in 2020-21. We are grateful to the 74 NGOs from across the country for assisting us, giving our 729 FY students (now SY students in 2021-22) at least a feeling of serving at the margins of society, which is a Jesuit mandate.

Following is a brief category-wise description of the online social service activities undertaken by student-volunteers with NGOs:

DIFFERENTLY-ABLED: In this category, different sets of the 48 student-volunteers (or 7% of those who completed the SIP commitment) served by:

- Assisting visually, physically and intellectually challenged individuals by being their 'shadow-Teachers', Examination Writers and Proctors, Readers and Question Paper Setters, Study Material Creators and Digital Transcribers of Academic and Non-Academic materials.
- Creating videos for Dyslexia Awareness Week.

EDUCATION: In this category, different sets of the 220 (30%) student-volunteers served in the following ways:

- Helping NGOs in dispensing information to client groups about the availability of jobs as per their educational qualifications;
- Tutoring children from the NGOs vis-à-vis the school curriculum, conducting spoken English classes and during the Diwali vacation organising art and craft sessions for children.

- Preparing PPTs on Grammar and Story comprehension and downloading from the relevant internet resources such as academic YouTube videos, motivational songs and stories.
- Conducting oral tests, team-building activities and career guidance workshops for client groups of the NGOs. Assisting the client groups of the NGOs with their College admission process.

ELDERLY: In this category, 9 (1%) student-volunteers:

- Engaged with senior citizens who live in Homes for the Aged and conducted NGO-prescribed mentally stimulating activities for them.
- Entertained senior citizens by holding recreational activities for them.

HEALTH: In this category, different sets of the 145 (20%) of the student-volunteers:

- Conducted organ and blood donation campaigns. Searched for the availability of ambulances as well as hospital beds.
- Assisted Therapists in conducting online physical exercise sessions for Parkinson's patients.
- Held story-telling sessions for children suffering from cancer and also documented the children's personal, residential and medical profiles.
- Created posters to sensitise the general public about Mental Health.

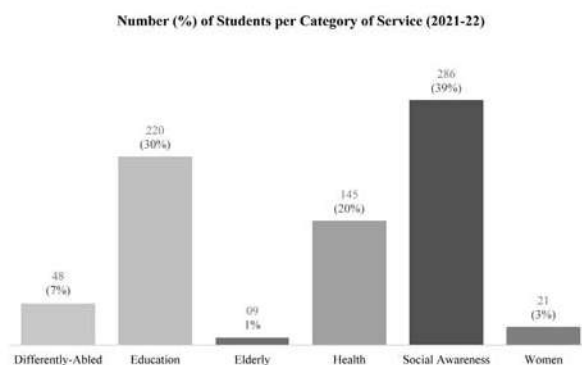
SOCIAL AWARENESS: In this category, different sets of the 286 (39%) student-volunteers:

- Created virtual posters on various social issues.

- Informed the NGO's client groups about an Eye-Camp through social media. Conducted online workshops on health and hygiene and also on training people on how to avail of government assistance and benefits in case of COVID-19 emergencies.
- Researched the plight of street vendors and conducted telephonic interviews with Union Leaders of Hawkers to gather data on the situation of hawkers across the country. These student-volunteers were also exposed to the Right to Information (RTI) filing procedures.
- Solicited monetary assistance for NGOs by creating strategies and digital posters to increase donations and online payment links.
- Interacted (offline) with homeless citizens in Mumbai and this sensitised them to the trials and tribulations of those living on pavements.

WOMEN: In this category, the 21 (3%) student volunteers:

- Helped NGOs in documenting case histories of women client groups.
- Conducted sessions on women's issues like menstrual hygiene.
- Used social media to sell the products made by Self-Help Groups (SHGs) members.



Dr. Agnelo Menezes
Head, Social Involvement Program

SOCIAL SERVICE LEAGUE (SSL)

Given the online mode of teaching, the Social Service League (SSL) had to modify its proceedings for the academic year 2021-22. Being true to its motto, “Where goodwill meets opportunity”, the SSL team, with the help of its project secretaries, tried its best to reach out to people through different approaches in an online mode.

During the online semester, Project Blood Drive created awareness campaigns on general health and well-being. They also initiated a Virtual Blood Bank to connect potential blood donors with those in need. In March 2022, the SSL hosted its first offline blood drive since 2020. The drive was a whopping success with 235 donors in a single day.

Project Care Kids conducted several online workshops with the children on various topics, ranging from Journaling to Geography, emotions to mathematics, and even arts and crafts! The sessions were planned and conducted by volunteers, who also interacted with the children in the course of the module. Project Animal Welfare, a new initiative for the year 2021-22, catered to the welfare of stray as well as pet animals. The project worked on several awareness campaigns such as animal healthcare, stray feeding, and animal friendly

behaviour. PAW conducted an Animal CPR workshop in February 2022, and was also credited for making an eco-friendly stray shelter.

We could not conduct our traditional 10-day Rural Camp due to prevailing Covid-19 conditions at the time. However, the secretaries did conduct a flood relief donation drive in collaboration with the organisation Khaana Chahiye in July 2021. Besides these, the SSL also collaborated with Project Balika (an NGO) on its Schools to College pathway program, and with UNICEF India on its Cyber Security campaign.

Project Sustain undertook various sustainability-oriented workshops and social media campaigns with the objective to raise awareness on the topic of living a sustainable lifestyle. The Sustain Squad was a small group of students who aimed to live a sustainable life. Documentary screenings, discussions and resources on sustainability were shared within this group. The secretaries of Project Sustain also conducted a Nature Trail at Rani Baug Botanical Garden, in February 2022.

When hybrid lectures began in college, Project Paint initiated two paint sessions at two different schools, one at Shree Geeta Vidyalaya (Govandi)

and the other at Oxford English School (Malad). More than 70 students were part of these sessions, helping us bring smiles and joy to the students who study in these schools.

Project Workshops did undertake some fun and educational workshops for our students, such as: “Make it Count” (a voting rights workshop), “Mental Health Workshop” series in collaboration with the Expressive Arts Therapy department, and “That’s a Wrap” (recycled Christmas decoration workshop). We could not have done all of this without our Outreach Secretaries. They helped promote all our projects through both social media (online) as well as offline posters and brochures.

Through multiple offline and online projects, the SSL aimed to reach out to as many beneficiaries as possible. It was fun to interact and engage with so many enthusiastic Xavierites both in the online and offline mode.

Given the prospect to restart our offline activities in the new academic year, we are truly enthused to give it our best shot!

Compiled by **Ronit Shah**
General Secretary, SSL

WELLNESS CENTRE

The Wellness Centre offered two different types of services: personal counselling for psychological problems, and activities to meet the college motto, “Challenging to Fly,” nurturing growth and positivity.

Due to the lockdown situation, many needed counselling for problems such as depression, chronic anxiety, etc. The Wellness Centre offered this with one professional counsellor available via the phone due to the lockdown. Over 50 students availed of this facility during the year.

Psychometric testing through Aptitude tests and Personality tests continued all through the year. As before, many from outside the college came for these tests.

The Wellness Centre continued action to nurture positivity during the lockdown through its four student groups, the Students' Support Group (SSG), the Open Music Evenings (OME), the Theory Club (TC) and Humans of Xaviers (Hox).

Student Support Group

For the year 2021-22, the SSG aimed at furthering their goals of inclusion, support and conversation to all students of the college. Given the Covid situation, they conducted online events like “Talk It Out” to make the transition to college easier for the freshers. The SSG also made a support group for outstation students, collating useful and relevant resources of information that would be helpful to them. Many of these student groups still remain active.

Online events like “SSG Unwind”, “SSG Tell Tales” and “SSG Game Nights” were organised to add life to the otherwise boring life of online college. This was done through riveting conversations, exciting games and stimulating workshops covering topics

ranging from poetry and designing mandalas!

SSG also began a “Mental Health Enhancement Sessions” guided by Dr. Nirmala Almeida to great interaction.

Instagram handle : @studentsupportgroupsc

Humans of Xaviers

HoX started as a part of the Wellness Centre in September 2020. It started with the realisation that Xavier's is a melting pot of diversity and each one has a unique story to tell. And so it aimed at creating deep bonds through sharing personal stories, and so bring the Xavier's community closer.

For this it has an Instagram page to share touching and inspiring tidbits of one's life, the way it happened for you at Xavier's. So far It has 280 posts including one from the Principal, one watchman, many faculty and students. Initially, it was only for the students of SXC Mumbai. However, due to requests from students belonging to other Jesuit institutions to include their stories, HoX is now open to students of all Jesuit institutions. It has reached over 1M people.

Instagram handle : @officialhumansofxaviers

The Theory Club

The goal of the Theory Club is to excite students to examine current issues of life, and use the power of ideas to create a better world.

The first event of the year, Orientation and Jeopardy, was on August 10, 2021. This was an introduction to the Theory Club, its working and goals.

The club's first online blog post was on August 23, 2021 on “Debunking

Pseudoscience: Homoeopathy.” The main theme of the blog was debunking various facets of homoeopathic medicinal practices.

On August 25, 2021 the club organised a film discussion on the 2012 movie, The Ship of Theseus, The film is based on the famous Ship of Theseus thought experiment and led to many engaging philosophical discussions as the attendees analysed the various stories and characters.

The club published the second part of its blog on Debunking Pseudoscience on September 4, 2021 on the theme of Neurosexism, the myth that men and women have different brains.

A discussion on Dystopian Worlds was held on September 30, 2021, covering books, movies and tv shows in this genre, their merits, philosophies, and the world they shape.

A discussion on “Marvel- is not Real Cinema?” was held on December 1, 2021 since many film buffs consider Marvel's superhero movies ‘profit making stunts’ rather than ‘real cinema’.

On December 2, 2021 guest speaker Rutwij Nakhwa led a discussion on “Freedom and the Contemporary Relevance of Philosophy.”

On January 15, 2022 guest speaker Dr.Santosh Noronha, HoD at IIT Bombay, presented “An Engineer's Perspective on Improving Healthcare in India.”

Because of the Covid situation, **Open Music Evenings** did not have any events this year.

Fr. Francis de Melo, S.J.
Head, Wellness Centre

Fare Forward



MIRIAM STEWART



Miriam, a Xavierite through and through, spent 45 years on this campus. She joined college as a FYJC(Sc) student in 1977 and continued to complete her MSc in 1984. Miriam then joined the Department of Microbiology as teaching faculty in June 1984 and completed her teaching stint in March 2022 on superannuation. Miriam was an active member of various College Committees such as the Scholarship and Infrastructure committee during her time at Xavier's.

An extremely sincere, dedicated, hardworking and compassionate teacher, she was also a caring head of the department who patiently heard everyone. As a senior teacher, she

mentored and trained new faculty so that they were confident of taking lab sessions independently. She took the outstation students under her wing and always kept an eye out for them. Miriam believed in all round development of students and therefore encouraged them to take up co-curricular and extracurricular activities. She also ensured that they were aware of various career and internship opportunities.

Her love for instruments, especially microscopes is known to all - students and staff alike. No instrument was overlooked and she always made her displeasure evident if instruments were mishandled.

She has been always open to suggestions and new ideas for the betterment of the department. She tried to see the best in everyone. We will always miss the care and attention she showered on us. We wish her the best of luck in future endeavours.

- Department of Microbiology

Marvellous Teachers like thee
Are rare to be
It is, for us, quite beyond
As we miss your presence profound
To bid adieu
Of such a Magnificent Cœur

- Shantanu Jaykar
FYBSc 2021-22

“Teaching kids to count is fine, but teaching them what counts is best”.

- Bob Talbert

This quote defines her the best, considering the numerous life lessons and guidance that she has imparted to us. We are extremely grateful to her for adapting to this entirely new teaching technique and making Microbiology such an interesting and fun journey. No matter where we end up, we are pretty sure that somewhere along the way, everything we've learnt from her will help us greatly. We miss her and wish her the best in everything she does here onwards.

- Batch of 2022

MYRTLE FERNANDES



A write up for Myrtle Fernandes who retired on 30th September 2021

Myrtle Fernandes has been a part of the department of Statistics since 1988. Her continuous service made the department stronger year after year. Packed with energy and the

zest to teach, she has enthralled and enlightened thousands of students along the way. She even made Statistics an interesting subject.

Though she taught at all three levels of the under-graduate course, first years were always her forte. She would teach the basics of the subject so well that most of the students would strive to major in Statistics at the third year level.

Myrtle has been a hardworking person. Being very passionate about education, she always came up with bright ideas. She was gentle in nature yet firm in what was expected.

She was a pillar of strength to the department members as well as to the students. She was extremely disciplined and punctual in her work. Her lectures included lots of stories which made it easier for the students to understand the concept in depth.

She was compassionate towards everyone and had good rapport with the teaching as well as the non-teaching staff.

On your retirement, the department wishes you the very best for your future in terms of health, peace and divine joy. May God bless you throughout.

Department of Statistics

SEEMA DAS



Dr. Seema Das holds a very special place in our hearts. The Department of Life Science and Biochemistry has had among its premises, one of the most stylish, exuberant and an extremely strong person. She has been with our department since 1995. Her carefree and cool nature comes from her origins in Kumaon hills. Her robust and spirited mind has enabled the department to forge ahead in academic, co-curricular and extra-curricular activities.

Dr. Seema took over the headship of the department in June 2019. The pandemic was around the corner and it tested the grit of many. Seema handled the situation and exhibited exceptional patience and grace during this period.

Although the virtual world was a challenge, she adapted herself to it very well, engaging in her own research. She handled many challenges at various levels with extreme patience. Her pleasant personality is her charisma. She literally fused life into many of the long and sometimes overtly dragging virtual meetings.

Dr. Seema always treated everyone with great respect and spoke very courteously. She would give a fair chance to everyone. She took personal interest in mentoring students and expressed her genuine concerns for them and guided them with their queries, be it in academics or in their career.

As a colleague and Head, Dr Seema Das was accommodating, but strict. She set high standards for the department. We call Seema “The Queen of Dissections”. Her passion to teach her skills to students is unparalleled. She has an unshakeable faith in St Xavier’s College and is equally in love with the department. She would openly say in any forum. She has said, and I

quote: “Xavier’s gives wings not only to students, but also to its teachers”.

Seema is open to learning. She has completed a course in student counseling and in the Modhi script as well. Seema loved to participate in Teachers Day celebrations. She was one of the few enthusiasts who would eagerly ask for practice schedules. Seema has been a well-wisher for all and has always prayed for the good health of everyone. After her retirement, she is now into serious mountaineering, and has found a new life, back in the mountains. One couldn’t find a simpler philosophy than what Seema has, and I quote, “Take life easily, have fun and be a good person”.

Thank you Seema. We have been touched by your love and care. We have been inspired by your love for life and your strong will power. Finally, we will really miss your carefree and an equally instigating roll of laughter.

We all pray for a healthy, wonderful, lively and fruitful time for your future.

Department of Life Science & Biochemistry

SHAKEEL HUSSAIN



Prof. Shakeel Hussain joined St. Xavier’s College as a lecturer for Business Law in the academic year commencing on June’ 1998. He superannuated on 31st December 2021 after serving for about 24 years at St. Xavier’s.

Prof. Shakeel Hussain was a dedicated teacher committed to academic excellence and welfare of his students. He is a holder of a Master’s degree in Law from Mumbai University and qualified the National Eligibility Test (NET), conducted by UGC. Though he had mastery over commercial law,

he also excelled in Constitutional Law and Human Rights. His long association for roughly twenty-four years, provided the much-needed stability and continuity to the Law Department. Apart from his passion for teaching, he also was a practising lawyer. He is also recognized for his immaculate drafting and in depth understanding of a range of topics.

His lectures, besides being knowledge enriching sessions were also laced with legal humour, real life cases/legal stories to facilitate the application of legal knowledge in our daily lives. His teaching methodology made him popular amongst the students, most of whom were anxious to attend his lectures. This is reflected in his Teacher’s Assessment questionnaire (TAQ’s) ratings from the students and the fact that they were always high. Apart from his competency

in commercial law, he has made valuable contributions in various other academic and co-curricular activities of the commerce section within and beyond the campus.

On a personal note, Prof. Shakeel Hussain was austere in his appearance, his manner and attitude being highly influenced by the simplicity of Jesuit priests. He always acknowledged the lasting influence of the late Fr. Valero Aleu S.J. in his life. Despite his hectic schedule, he somehow managed to devote quality time for his family and children’s education.

We would like to take this opportunity to pray for his good health and long life and wish him all the best for all his future endeavours.

Dr. Sanjay P. Parab
Vice-Principal
Commerce Section

SHYAMALA BODHANE



Shyamala Bodhane, our former Physics Head who retired this year, was almost destined to be a physics teacher. Studious by nature, she said she was lucky to have a wonderful teacher from eighth to tenth grade, who fostered in her an interest in science and made her choose a career in it. Mr. Ketkar was the math and science teacher at their school. Ma'am described him as someone who could easily connect with his students. She used to say that he had a knack for relating the mundane chalkboard with students' conscious experience of nature. As a student, this gave her confidence in the subject, she merely had to observe her surroundings to understand the homework that was assigned. Her teaching methods today are very much inspired by those implemented by Mr. Ketkar.

Shyamala ma'am took up teaching at St. Xavier's College in 1984. After her MPhil, she started her PhD in 1992 at the Institute of Science. She then became the head of the Physics Department just as the college was granted autonomy in 2012 and held the post for seven years. Since then, numerous changes were introduced under her leadership. The first order

of business was to make sure that the practical assignments and theoretical classes complemented each other. So, they made sure that the theory and the corresponding practical to it was taught in the same semester to avoid confusion. This also made the theory courses cohesive.

The next improvement in the Physics Department is something that I personally think has benefited every student. It was the idea of individual student projects. Initially, there was a lot of uncertainty around the idea of B.Sc. students doing unique and diverse projects. The primary idea of the department was that every student could conduct a short experiment that would showcase how much they've learnt with respect to the course being taught. The intent behind the initiative was for the students to have confidence in their lab apparatus and improve their fundamental understanding of concepts.

Shyamala Ma'am has also consistently followed her personal mantra of always doing something new and creative. Every year, she used to offer a unique honors programme. This attitude partially comes from two of her school teachers, Ketkar Sir and Samant Sir, who, whenever they meet ask her "what new things have you done?". This motivates her to keep learning and trying out new things. After retirement, she plans on taking out time to teach underprivileged children, try her hand at chess, sketching and, maybe upload videos about electronics on YouTube to

try and capture essential concepts that she believes lack in most books.

As she bids adieu, she reminisces fond memories of the Khandala trips that the college used to do, before autonomy. The students used to present their projects in front of everyone but she emphasizes that the primary purpose of the trip took a backseat as these trips allowed students and teachers to interact outside the traditional classroom dynamic and bond with each other. *"You really get to know your students well and get to know their capacity, not just as a physics student, but in general as a person."*

When asked whether she had successfully emulated her ideal teacher, Ketkar Sir's teaching style, she replied saying that to make each student understand the same concept, different methods had to be employed, different examples had to be given, and so she always tried to explain a concept as diversely as possible. She has tried her best to understand a student's perspective and incorporate that into her teaching. Doing this, she believes that she has attempted to embody the teaching spirit of Ketkar Sir to the best of her abilities.

The department would like to place on record their gratitude for her contribution and wish her well for her future endeavours.

Compiled by
Atharva Patil, T.Y. BSc

SANJEEV JAVERI



CA Sanjeev Javeri retired superannuation, on 28th February 2022, after serving at St. Xavier's College (Autonomous) for more than 35 years as an Associate Professor in the Department of Commerce (Arts Section). He worked as a part-time faculty here. He was a master of accounts and investment.

Along with the college work he also owned a CA firm where he kept himself super active. Never was it seen that he was tired of handling dual responsibility.

The senior-most faculty member in the department, he is best known as a 'timekeeper' because of his adherence to time and punctuality. He would always be there for the 8 am lectures on time. His passion and dedication for towards the subject and his work have been inspiring to peers and associates and appreciated by the department. Throughout his journey of over three decades, he has hardly missed any deadlines. His frank

behavior and being more of a friend than a colleague made the department easier to function. He would teach the students real-life experiences and get the best out of them.

He was a passionate teacher and stalwart in accounts. He enjoyed both his professions.

I take this opportunity to pray for Sanjeev Sir and wish him a happy and healthy retired life. My best wishes will always be with him.

Dr. Suvaiba Pirani
Asst. Professor In charge,
Department of Commerce
(Arts Section)

HASNAIN NAQVI



Thirty six years ago, on November 10th, 1986, a young, dynamic Professor started integrated teaching of History in St. Xavier's College, Mumbai and continued the successful journey of teaching with a great legacy till the 31st May, 2022. During the past few years that I have known Prof. Hasnain Naqvi, I had numerous occasions to observe him from close quarters as a teacher, colleague and administrator. Prof. Naqvi has distinguished himself in the course of his role as a teacher and administrator during this long and uninterrupted career span. He has upheld the liberal and cosmopolitan ethos of the Jesuit Institution.

As a passionate teacher Prof. Naqvi always strove to innovate and go beyond conventional classroom teaching by organising a number of

seminars, workshops and historical excursions (field trips) for students to locations of historical significance, both within and outside the country. In order to hone the skills of his young students and make them think critically, he involved them in presenting research papers at seminars, undertaking projects on historical themes and making documentaries on historical monuments and sites. He is also among the pioneers in introducing new methods of teaching by using audio visual teaching aids.

Prof. Naqvi has taught at all levels right from FYJC (XI) to M.A. He has also been a visiting faculty at the B.M.M. department at St. Xavier's College, Sophia college and Burhani College for several years. Additionally, he has also been an Examiner and Moderator for the HSC Board Exams for over three decades. He has also served on various college committees. Prof. Naqvi is well read and that is reflected in his teaching and writings. He has a flair for writing and has contributed several articles to leading newspapers and journals. He has also authored a number of books and published research papers in leading History Journals. He has

also worked on the 150th Anniversary (Sesquicentennial) Project of the Times Of India as a Senior Research Associate (1987-1990).

Prof. Naqvi was appointed as Vice Principal of the Junior College just before the global pandemic and prolonged lockdown. During this unprecedented situation, he rose to the occasion by organising online teaching, online exams, online admissions, and webinars for both students and teachers. He was an excellent team leader.

Working with Professor Naqvi has been a pleasure, both as a colleague and friend. He has guided all of us with his erudition, leadership qualities, administrative acumen, professional integrity, and steadfastness. He has always strived to be faithful to the vision and mission of St. Xavier's College, Mumbai.

Mr. Pravin A. Salunkhe
Dept. of Political Science,
Coordinator of Arts
Junior College

SMITA KRISHNAN



Q: How did you begin your journey with St. Xavier's College?

A: I was at the tail end of my research and looking for a job, although I wished to continue my research. I had two options soon, a prawn farm manager in Orissa and the post of a lecturer in Mumbai. Since my parents were not keen on sending me to a place where they were not sure of the career prospects, I joined St. Xavier's College in Mumbai.

Q: How were you attracted initially to the field of Biology?

A: I have always loved animals and this I have inherited from my mother. I had this curiosity and wanted to be around animals. Since the other subjects did not appeal to me much, Biology became my favourite subject.

Q: Could you share some highlights from the time on field?

A: Those were the best days of my life. I had the freedom to be away from home for the first time. I loved being near the sea and most of the time I used to be in the sea on a boat going to uninhabited islands. What more could anyone ask for? Our time on field was different from what the students experience today. Unlike a stay in beautiful hill stations with kitchen facilities, we used to carry a kerosene stove to make food and chai, which we covered with a drum to save the flame from extinguishing because of the wind on the sail boat. I was doing exactly what I liked. Everyday was an adventure.

Q: How were the challenges in your times different for men and women biologists?

A: I did not face any challenges per say. I had understood and was willing to pull my own weight. However, when I wanted to study Marine Algae, the professor in charge was not interested in taking girls for field work. That's how I took up the study of Prawn Fishery since my guide, Dr. Mansuri did not mind me joining in. I was clear about two things; I would work on a wild life project and I would do my PhD only if funding was available. Interestingly, my stipend of Rs.600/- was pretty decent in those days (1985-90). After spending Rs. 400/- on food and lodging, I could easily manage through the month in Rs. 200/-.

Q: Your tenure at St. Xavier's College has been pretty eventful. What were the biggest positive changes in the Zoology department that you will not forget?

A: Changes have been constant right from the time I joined, at that time we were a small team and I witnessed the team expanding along with the number of students and batches. Gradually, funding and grants helped us upgrade the Labs to an extent where we do not require each student to wait for using a particular equipment. There are enough for all the students to work simultaneously.

Q: Could you tell us about the staff and the teachers during your time as a professor in Zoology and your fondest memories?

A: There are so many it's difficult to pick one. The fondest memories go back to the time when I had joined. I could bond well with the students as I was the youngest amongst the staff hence closer to student groups in age. Also, certain events like the death of an

HoD due to cancer, was traumatic for us as a group and sharing that kind of sorrow brought us still closer. I must say that I share the closest bonds with my first five batches, probably because they saw the worst of me and still accepted me. We were on field trips almost every weekend and those trips were fun along with a lot of learning, since Zoology is a science that is best studied in the field. These students come and meet us as alumni and the time they spend with us becomes one of our fondest memories again.

Q: Could you tell us about, 'your often talked about rescue stories'?

A: Injured animals have always been brought to the Zoology department, as a result of which we have rescued several kites, a crow, a rabbit, turtles, a cuckoo, squirrels, a bat, pups and kittens. The Honours projects in the past required breeding of rats, and this gave us the required experience in handling animals and giving them initial first aid before sending them off to a vet for proper treatment.

Q: Is there any particular "rescue" story that you would never forget?

A: The story of 'Nigel' the kite is one that I will never forget, when an injured baby kite was kept in a frog a tank and taken care of.

Q: How did the department magazine start?

A: I had always wondered if our students write so well, then why not have a Zoology department magazine. We did a lot of brainstorming (students and staff) and **IMPRINT** was launched. Once it took off, I handed it over to Dr. Sujata Deshpande who has handled it very well. While my initial goal was the magazine, the launch of XZA (Xavier's Zoology Association) also proved to be a wise decision

especially during the lockdown, when it helped in enabling the students to bond across batches, even while working from home.

Q: How do you feel you have contributed to the culture in the department?

A: When Star College funding came for the department, the need to expose students to project work became mandatory, so we as a department introduced project work for all students. Previously, only some Honours students graduated with a research paper published in scientific journals. I believe students need to be introduced to the rigors

of research, so that they can make proper career choices in the future. Also students learn a lot about people management while working in teams that they do not choose. They have the freedom to take an old research paper and redo it, to see whether they can replicate the results, or they can do something entirely new and observe those results.

Q: Could you share any highlights of your tenure?

A: A major project was the cataloguing of all the specimens we have in the Zoology lab. This has been done as per

the guidelines of the Forest department. Many ex-students have contributed to this work and have earned Honours credits for the same.

Q: Now, after retirement, you continue to be a happy and active person. What has retirement enabled you to do that you couldn't do earlier?

A: I plan to work with any NGO involved in looking after animals. That has always been something I wanted to do all my life.

Ishit Vats, Veron Rebello,
TYBSc

SANDHYA GUPTA



“Without Mathematics, there is nothing you can do. Everything around you is Mathematics. Everything around you is numbers”

- *Shakuntala Devi*

Ms Sandhya Gupta, Department of Mathematics (Junior College) retired superannuation on 28th February 2022, after a long and dedicated tenure of over thirty five years. Besides her competence in teaching her subject, she helped by serving on various committees such as the Exam, Unfair means, TAQ committee, along with being the Chief Moderator of the HSC Board Mathematics examination and a Member of the Board of Studies in Mathematics.

To inculcate interest and hone the aptitude of students in Mathematics,

she encouraged exhibition, quizzes, and a visitors to Homi Bhabha Centre for Science Education organised by the Xavier's Mathematics Association.

A teacher with a remarkable work ethic, sense of empathy, concern and sincerity are the qualities that generations of students wish to associate with Prof. Gupta.

On behalf of the department of Mathematics, I wish Prof Gupta a happy, healthy and fruitful second innings.

Ms. Jincy George
Department of Mathematics,
Junior College

हनुमंत चौगुले



१ एप्रिल १९८३ रोजी हनुमंत चौगुले यांनी महाविद्यालयात सुरक्षा म्हणून प्रवेश घेतला

आणि त्यानंतर विविध विभागांमध्ये सेवा दिली. आज ४० वर्षांनंतर ते रसायनशास्त्र विभागातून प्रयोगशाळा सहाय्यक या पदावरून सेवा निवृत्त होत आहेत. रसायनशास्त्र विभागात त्यांनी बर्नर्सह प्रयोगशाळेतील उपकरणे राखण्यासाठी तज्ञ म्हणून काम केले. प्रयोगशाळेचे

कामकाज नेहमी सुरळीत चालावे यासाठी त्यांनी परिश्रमपूर्वक काम केले.

मितभाषी असलेल्या हनुमंत यांना त्यांच्या पुढील आयुष्यासाठी हार्दिक शुभेच्छा.

सूक्ष्मजीवशास्त्र विभागाद्वारे, संकलित
शब्दांकन : सोनाली पराडकर
प्रभारी ग्रंथपाल

विजय गुरव



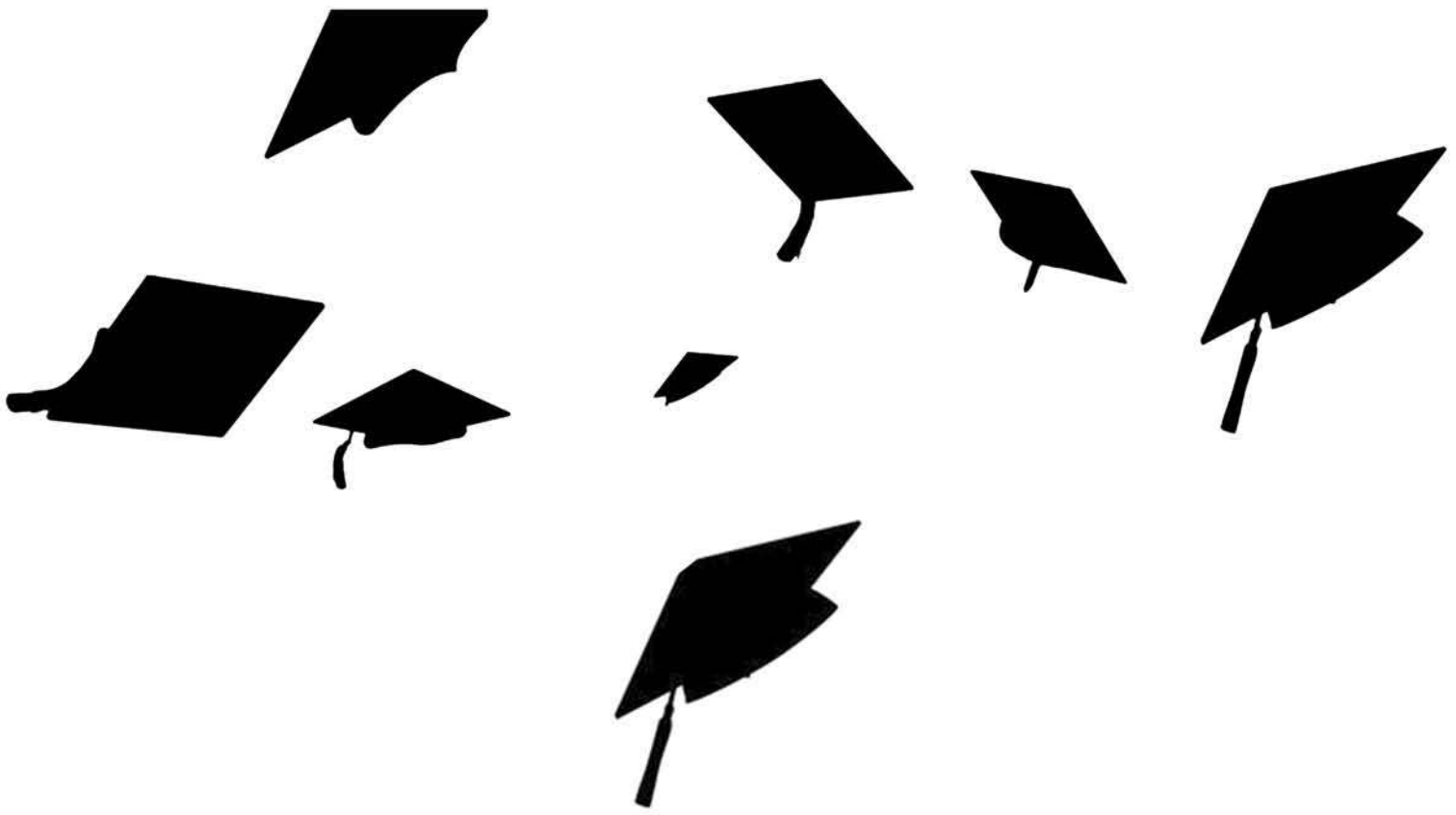
मूळचे कोकणातील श्री विजय गुरव हे १ सप्टेंबर १९८६ला महाविद्यालयात रुजू झाले. अनेक विभागात काम केल्यावर श्री विजय गुरव हे रसायनशास्त्र विभागातून

स्टोअर किपर आणि लॅब सहाय्यक म्हणून ३७ वर्षांच्या महाविद्यालयातील अनुभवी नेतृत्वानंतर निवृत्त झाले. विजय हा महाविद्यालयातील आजवरच्या सर्वात प्रबळ लॅब असिस्टंटपैकी एक होते. ते महाविद्यालयीन शिक्षकेतर कर्मचारी संघटनेचे नेते होते आणि त्यांनी शिक्षकेतर कर्मचाऱ्यांना त्यांच्या मागण्यासाठी मार्गदर्शन केले. रसायनशास्त्र विभागात विजयने सर्व प्रात्यक्षिक परीक्षा अतिशय कुशलतेने

घेतल्या आणि रसायनशास्त्रातील सर्व स्तरांवर वापरल्या जाणाऱ्या उपकरणे आणि रसायनांच्या पद्धतशीर नोंदी ठेवल्या.

तुम्ही होता तेव्हा सगळे प्रश्न सहज सुटत होते. काम सगळे पटपट होत होते. पण आता तुम्ही सेवानिवृत्त होताय दुःख तर खूप होतेय. पण तुम्ही आनंदी राहाल या आनंदाने मन खुशही होतेय. सेवानिवृत्ती शुभेच्छा.

मारझबान कोतवाल
रसायनशास्त्र विभाग, प्रमुख
शब्दांकन : सोनाली पराडकर
प्रभारी ग्रंथपाल



Made of Xavier's
Our Alumni



Illustrious Alumni

DR KHORSHED PAVRI: A TRIBUTE

Department of Microbiology remembers Dr. Khorshed Pavri, a scientist par excellence

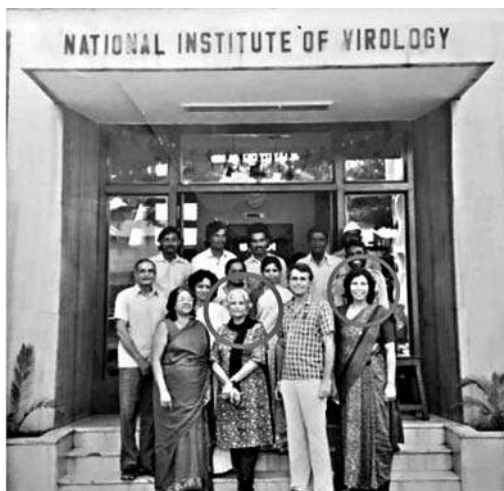
Dr Khorshed M. Pavri, eminent virologist, was an alumna of the Department of Microbiology, St Xavier's College, Mumbai. She joined the Dept. of Microbiology in 1945; she graduated in 1947 and in 1951, received Master's degree for research. She then obtained her Ph.D. and soon proceeded to the United States on a Fulbright Smith Mundt Fellowship. There, she switched over to the then newer area of Virology and carried out research-cum-training programme as a Post-doctoral Fellow: first at the laboratories of the New York State Dept. of Health and later, at the Rockefeller Foundation.

She joined the then Virus Research Centre at Pune as an assistant research officer in mid-fifties and, in 1978 became the first woman Director of the Institute, which had been renamed as the National Institute of Virology (NIV). She has many research papers on virology, especially on arthropod-borne viruses like Japanese Encephalitis, Dengue, Chikungunya etc. She also guided several students for their Master's or Ph.D. in Microbiology. With the advent of HIV/AIDS, her research was directed to the new disease. Even after retirement in 1989, she continued the work as the Project Director of the Centre for AIDS Research & Control (CARC) and also published a quarterly journal called CARC CALLING. She was a member of the Scientific Committee to the Cabinet and also of the World AIDS Foundation.

She has served on many National and International committees including those of the World Health Organisation (WHO). She was a member of the Scientific Advisory Committee to the Cabinet and also of the World AIDS Foundation. In addition to a chapter or so in some scientific books, she has written a popular book for children called "Vimla in Virus land" at the request of the National Council of Educational Research & Training (NCERT). Another book "Challenge of AIDS" was written in the 90s for the National Book Trust of India.

Dr. Zimra R Israel formerly Director Science Policy, Vaccines and Biologicals, Pfizer, NY, USA was her MSc and PhD student and her doctorate thesis (1989) was the first thesis on HIV from Mumbai University. Dr. Zimra, also an alumna of the Department of Microbiology, St Xavier's College (Batch of 1976), remembers Dr Pavri as a kind hearted individual with a heart of gold but at the same time a task master who had very high standards.

According to Dr. Pavri, she truly retired in 1997 and enjoyed vicariously, various scientific achievements in the field, made by her students, young colleagues and also those around the world, who are making an impact by researching microbes causing diseases.



*Dr. Khorshed Pavri (left) with
Dr. Zimra Israel (right)*

AADI RUNGTA, Programme Lead, Education Policy & Administration, Dy. Chief Minister's Office, Govt. of NCT of Delhi



1. From teaching students to working in the Deputy Chief Minister's Office, Government of Delhi, how has your journey been so far?

A. Magical. As I was leaving college, never would I have imagined that I'd be working with the Deputy Chief Minister in the country's capital a decade later. The journey from then to now has been about pursuing great opportunities, those that I chanced upon through random conversations with friends, colleagues and mentors. I began my career in education as a teacher with Teach for India's fellowship - at a time when the fellowship was fairly new and not one of the most sought-after as it is today. I was teaching grade four in a small government school in Worli, where completion of formal education was neither an aspiration, nor a reality. They're all in college now! Post the fellowship, I experimented shortly with business, considering that money making in the development sector seemed slow and long. But I missed the sense of purpose shaping young people's lives gave me and soon joined a school in Crawford Market started by a friend. The team experimented with teaching-learning there and we were rewarded with global recognition - Harvard Business School students took a deep interest in studying India's social entrepreneurship model with our school management as a case study. We went on to work with over 250 schools in Mumbai, Hyderabad and Bangalore. Finally,

when the Aam Aadmi Party won elections in Delhi in 2020, they began creating a team of strong education professionals. Soon after I found myself packing my bags and moving. And here I am, with the ability to impact the lives of over 18 lakh students.

2. You mentioned that you have visited various states in India, what was your observation on the education system in different states of India?

A. Different parts of the country seem to attach different values to education, especially higher education. People have varied aspirations depending on the realities they're exposed to. For example, in Gujarat, where most people aspire to be running businesses, one will find more people satisfied with a college degree which satisfies the idea of being a graduate. Subject choices are more around business related fields such as commerce or management. Hyderabad, which is an evolving tech-hub, students aspire for white-collar jobs and many wish to go abroad for higher education. So, schools focus a lot on fluency in English and then most of the students focus on joining IIT coaching classes. In the north, in cities like Delhi, a lot of emphasis is on learning about government functioning and exams, with the will to become a civil servant so you will see a lot of focus on the arts, IAS studies and coaching classes etc.

3. Your research and hard work have resulted in the formation of Ignite Program: 321's Flagship program? What does this mean to you as an individual?

A. This is a funny story. While teaching in Hyderabad in a low-income private school, I became excited with the model we were running and decided it was something I wanted to build on and replicate in other schools. So, I went

with a proposal to my friend in Mumbai and we got into a detailed discussion. His response was an invitation to look at his own business model. We arrived at the sudden realization that both models were rooted in "igniting" passion for education across the country. It was almost immediately the perfect name for the program. Within it, our focus was on developing innovative learning solutions geared towards building strong fundamentals for both numeracy and literacy. With activity-based techniques, we adopted a strong bias towards action in learning. As a result, we saw kids hailing from the most humble backgrounds speak and read English fluently and tackle math with ease. For me, witnessing the transformation of these students was absolutely thrilling and surreal. I believe we started a movement that still has a long way to go.

4. Since you have worked in the field for so long to reach the position you are at; I am sure you must have had to go through times that might have left you demotivated so how did you get through these times?

A. The very first challenge presented itself when I decided to enter the field I'm in. With my background, I was used to all the comforts of urban living. The idea of packing your bags, walking into the slums of Mumbai, Hyderabad and Bangalore, in the hot, humid and unhygienic, day-in day-out was daunting at first. However, with the realization that to do good development work, for the betterment of the country, one cannot shy away from the field. There can be no growth, working in silos, away from the ground realities. Those conversations with myself enabled that crucial mindset switch which set me up for the journey ahead. At other low times, the impact I saw, kept fueling my passion and kept me

motivated. The fourth graders that I taught in a government school in Worli couldn't even write alphabets when I started teaching them. I was 21 then. As they grew and as I continued on with my journey I kept in touch with them and saw their growth. They became constant reminders for me on what impact I could create if I continued to work in the development sector. Today, as I work in the Deputy Chief Minister's office and as they sit on the same benches, walk the same corridors and eat from the same dosa counter in college, my motivation and resolve to continue working in the education sector keeps getting strengthened. Today many of them are in top colleges competing with students like you & someday they will be working in the same office as me. The same students who would have dropped out after seventh grade. That was the impact, that is what keeps me motivated.

5. Being from a science background, what was the reason to switch your career path?

A. I never really wished to study science, earlier we felt like we had only three options: science, commerce and arts with limited career options like becoming an engineer or a doctor. With limited knowledge of the world of opportunities out there, I opted for science. With the thought that if nothing else works out, at-least my B.Sc. degree would give me something to fall back on. In Xavier's, I got immense exposure through the variety of clubs and extracurricular activities. I got introduced to a whole new world - which opened my eyes to so many options that are out there in the world. My switch to the education sector was completely by chance. If I had known that so many opportunities for work were out there in the world, I may have chosen a different field of study. I've learnt that one can't be sure about the job they are going to do because jobs that had existed five years ago might not even exist

now, and jobs that will exist later one can't possibly imagine.

6. Talking about Xavier's, how would you like to describe your years in college? What is that one moment that remains with you even after so many years?

A. There cannot just be one, but if I had to pick, I'd say the first real boost to my personality and my confidence came from attending the SSL team-building camp. I remember Father Terry used to conduct the camp which had limited slots so we had to stand in lines just like how you would have to do for a railway ticket booking in the morning for registration for the camp. Initially standing in long lines for camp registration put me off, but my father who is an ex-Xavierite himself pushed me to stand in that line and go for the camp. That was some of the best advice that I ever got. I think that camp was the place where my personality opened up. Coming to college initially was an overwhelming experience because we had limited exposure in school. We were always within ourselves, with friends from similar backgrounds, exposures and interests. Then suddenly you come to college and Xavier's in itself is a different world, depending upon where you come from it is extremely hard to adjust in such a situation. So, I think that team-building camp was my first entry into the world of Xavier's. It gave me an opportunity to spend time with and meet friends from a variety of backgrounds and that gave me the confidence that I could make friends with anyone. As I participated more in events, Malhar, then as SSL general secretary, Xavier's Photography Club. things just happened for me. So, I think that journey was really valuable and it gave me a lot of confidence to make me realize that I can be and do anything that I decide to do.

7. You were a part of the SSL, any memories and learnings that you can share?

A. I would say that exposure was something the SSL helped me

a lot with. I would emphasize the exposure part because it is extremely important. For example, once you do Malhar you start feeling this sense of belongingness towards the college, on the other hand, SSL prompts you to do things that you wouldn't do otherwise. During my time there, we used to go to rural camps for 10 days where we used to sleep under the sky. We were digging an artificial fish farming pond in the middle of nowhere. I think the experience of doing labour work for six hours and understanding what it takes to build something and work as a team. SSL gave me an opportunity to build and work in teams, that leadership exposure during my college days still helps me. The first-hand experiences I got by working with people from all economic classes and the local community were extremely important in my developmental journey. This gave me on-ground experience and exposure. Now as we make policies and design large scale government programs that time working with the SSL grounds my suggestions in reality. I had immense fun in the SSL office where we used to banter and have a good time because we knew someone would always be there for us to hang out with. The best friends that I made in college were from my time with the SSL.

8. You have mentioned SSL, your journey, hobbies, etc. you also did photography in college. Do you still practice it?

A. Yeah, well lately I haven't had the time to practice much but the passion still exists - I have thousands of pictures from my college days that I sometimes go back to edit and use. Photography was a pretty fun time for me because our senior batch revived the club after it was shut for decades. We used to go out for photo walks once every week and then at the end of six months we organized exhibitions. This opened up a window of new experiences for me. Our batch

was also the first batch to start a photography and documentation department in Malhar. So, again whether it is Malhar or Jan fest or photography, all these opportunities open up new avenues of exposure that help you to meet different kinds of people, a lot of whom become your lifelong friends and support. I wouldn't say I am 100% committed to photography but I do have those moments where I capture something and that makes me happy.

9. Due to your hard work and dedication, you were able to lead your firm's partnership team nationally, how was that experience for you? Can you throw some light on the process?

A. For me, a leader can see 30 years down the line which makes it a very challenging role. The main issue is that somewhere in our life we would be leading people but nobody trains us for that. The beginning of my leadership role was trial and error, not joking but the first few people I led, left the job because I was not a good manager when I was starting my journey. That became a big eye-opener for me. During the process, I learnt that we have to respect that everybody has their own development process and you have to treat each

individual differently and hone each individual's personality differently. A good leader might not be a good manager and vice-versa.

10. Any message you would like to give to students?

A. Well, in my opinion, the world is changing too quickly, so knowledge and skills are something you would acquire as you grow so try not to focus too much on that. Rather my advice would be for you all to focus most on exposure and learning as much as you can about people, your surroundings and the world. Make a lot of friends. Hang out in the foyer, and meet new people as this will help you build your network. Experiencing different things will help you build your character. In current times, employers are looking for people with strong character and well-rounded personalities. Up-skilling is something that you will have to do throughout your life as the work environment changes. When I am recruiting people, I never consider just a person's CV but their personality as a whole. What will help you to withstand the ever-changing global work environment is your personality or your ability to connect and gather information quickly and apply it meaningfully. So, my advice to you all would be to

study well, get decent marks, work hard and be a dignified person and trust that good opportunities will come your way.

11. Rapid fire:

a. What is the best place to hang out in college?

A. Lying down in the main quad area and seeing all the four buildings along with the sky.

b. Favorite college/inter-collegiate festival?

A. Malhar

c. One place that every Xavierite should visit?

A. The Chapel on a quiet day and just soak in the energy.

d. Best food outlet around college?

A. It largely depends on what your mood is to eat. So, there is Hotel Deluxe at Fort for a good Kerala meal, Cafe Universal for burgers or Rak Mahal for a heavy thali.

e. A Xavierite is not a Xavierite without...

A. Participating in as many extra curricula events as possible and participating in at least two extracurricular activities.

**Anuja Jain
Tamanna Aggarwal
TYBA MCJ**

SHIRIN MERCHANT, Canine Behaviourist



1. What made you choose St. Xavier's College for your graduate education?

A. St. Xavier's college was always first on my list as 3 generations of my family have studied at Xavier's so it has always been a highly regarded college for me. I was also keen on sports and participating in water polo at the National level and wanted a college that would encourage my sport career.

2. What inspired you to pursue a career in canine psychology?

A. I've grown up in a home where animals are loved and respected. Gerald Durrell, James Herriott and David Attenborough were people I aspired to be and so it was a given for me to want to work with animals as I grew older.

3. 'Breaking Gender barriers to receiving the prestigious felicitation from The President of India being the First in your

field to transcend barriers to achieve a milestone'- Please share some of your experiences of this journey?

A. Funnily, when you are pioneering a change, you never think of it that way, I just saw it as something that needed to be done. My passion for my work drove me forward and the challenges were there but never insurmountable. It's only later when people call you a pioneer or give you awards that you look back and see it differently.

4. What does a typical day in your life as a Canine behaviourist and trainer look like?

A. It starts at 6:30 am where I normally am teaching an online class on dog behaviour or training. Mornings are spent working with fearful dogs or teaching biting dogs to accept handling or sorting out dog to dog aggression. Afternoons are spent in business and team meetings and planning future courses, promotions, marketing plans, etc.

Evenings are for my own dog, Maya- we go for a walk, play and spend time together. After dinner, I normally finish programmes, check emails and its typically 11 when I go to bed.

5. **You are following an unconventional career of a Canine Behaviourist. Can you share how the curriculum in Xavier's facilitated your journey towards your goal?**

A. For that I have my simply awesome teachers in the Zoology department to thank. Ma'am Smita, Ma'am Pushpa and others have been instrumental in making the learning fun, immersive and practical and that fuelled my passion further.

6. **What skills did you learn throughout your program here that you found beneficial after graduation?**

A. I learned so much about the physiology of animals, understanding various species, but most importantly my teachers taught me how to change the way I looked at animals and they taught me the value of hard work. I am ever so grateful to them for that. I wouldn't be who I am today if not for my Zoology teachers.

7. **What are some of your favourite college memories? Could you share some experiences in class and outside class in college?**

A. Bunking chemistry lectures was fun till the teacher called my parents and spoiled my fun. But I think the most fun was had when we got to cajole our teachers into taking classes on the roof of the college. Our field trips were filled with tons of fun and laughter, and of course some learning.

8. **Xavier's is known for its extra curricular activities. What activities did you participate in and what impact did they have on your career?**

A. Unfortunately, my swimming career prevented me from participating in the extra curricular activities in Xavier's.

9. **What are the distinctive qualities that are found in Xavierites?**

A. They are tough, full of fun, love other Xavierites and can hold their own in any field, anywhere in the world. Xavier's makes you ready for the world.

10. **What do you miss about Xavier's?**

A. Everything. Walking up the grand staircase, the corridors that have

stood there for decades, the Zoology classrooms that would also have a stink and make the other students cover their noses and run past, the teachers, sitting on the roof and studying.

11. **What would you like to tell the young aspirants in college who want to pursue careers different from conventional ones?**

A. Go for it. The world is changing and everyday it becomes easier for you to live the life you want. Life is too short so make sure you work in a job you enjoy, you don't want to look back when you are fifty to realise life passed you by.

12. **Rapid fire**

a. **Go to corner on campus-**

A. Corridors leading from the basketball court to the canteen

b. **Favourite canteen food item?**

A. Vada pav

c. **Never have I ever gotten caught doing in college -**

A. Playing with a Ouija board on the college building rooftop with friends. Unfortunately, we weren't very good at it.

d. **Something you miss most about college -**

The classes, the learning, the beautiful building, fun with friends, so much.

e. **The most memorable incident in college...**

A. Sitting on the rooftops and pretending to listen to the teacher, but actually watching the world go by.

Ms. Khushi Chibber

M.Sc.-I Biotech

Dr. Shiny Peter

Head, Department of Biotechnology

ROMANA SHAIKH, Chief Programme Officer, Kizazi



1. Why did you want to pursue psychology and how has it shaped your views on life?

- A. As a child I was curious to understand the workings of the human mind, so psychology came as a natural choice. Having been raised in a religious and spiritual environment, the habit of asking questions about life & the universe was regular at home. Spirituality presents us with an idea of interconnection & psychology shows us how similar we are as humans - you and I. Taken together, it has helped me really appreciate the vastness of all that goes on inside us, and to become more aware of who we really are. A central idea that guides me today is the idea of love. Love is as an innate part of us, loving relationships have the power to heal, and psychology, mindfulness, spirituality can help us understand that.

2. Having worked as the Director for Teaching and Impact at Teach for India, how would you describe your experience and some of your key learnings there?

- A. Having joined Teach for India amongst its foremost cohort, the idea of building a movement and building leadership, along with doing something for the nation, was the real call to action. Constantly working with government schools and low-cost private schools on an intimate basis since 2009, has allowed me to understand children, understand poverty in a personal way. It has made the statistics personal for me and that has been a life-changing experience

in itself. Teach for India gave me an opportunity to create education in its truest form while allowing me to actually understand poverty and its many dimensions. The complexity of poverty has much to do with social discrimination, trauma, adversity and a human challenge revolving around so much more than just money. Another key lesson has been the power of community - whether it was with the children & their families, or the others in the Fellowship, having a support system of friends, colleagues, family that understand and support you I think is the secret to being able to stay inspired, motivated and keep doing the work you want to do.

3. For someone who has been around children for so long, what sparked your interest in working with them and your vision behind the parameters for judging a student's holistic development?

- A. Before Teach for India, I didn't know that I wanted to be in education, but being around children changed that. There is a certain joy & wonder with which children see the world. One can see a true sense of potential when working with children and that can be a very moving experience. To work with a seven-year-old and know that they are going to grow up to be wonderful human beings, responsible citizens and create a positive impact on the world. Everyone has a right to an education in order to become our truest selves and not what society wants us to be. The objectives of education can't be the same for every child, but the idea of having a thriving life for every child can be the purpose for every child. Children should be seen as whole, with love and acceptance rather than seeing them separately as a student and a child. A true education system is not about judging or evaluation, but about learning, unleashing potential,

nurturing love, and that kind of an education does not have parameters to it.

4. You dedicated a year to Comprehensive Sexuality Education (CSE), what have been some of your challenges with this project and what can you tell us about your plans with Kizazi?

- A. The biggest challenge with CSE (Comprehensive Sexuality Education) is that it is not a part of education. The sex education we receive, if any is largely about girls having their periods or good touch and bad touch or reproduction. Sexuality is such an integral part of humans, it includes much more than reproduction - It is understanding who we are and how we relate to another, a sense of different kinds of love, intimacy, understanding our bodies, learning how to express our genders, our impulses and about making informed choices - yet it is missing from mainstream education. We still have a long way to go in holistic education with sexuality and health needing to become integrated within it. Kizazi is a global non-profit. We work with local governments & NGO's in Asia & Africa to redesign public education. We work with many conservative societies where binary gender roles are defined, schools are largely academic in focus, exams are knowledge based. We believe in working toward developing breakthrough school models, by integrating the whole child, by designing a curriculum which caters to what young people really need in order to thrive. In different parts of the world, we are seeing how communities are asking for more from education. They want entrepreneurship, wellbeing, life skills and inclusion for children. We hope to develop more examples of breakthrough school models like the ones we are partnering with in Armenia, Sierra Leone & India.

5. **Your initiative Because YOU is a relatively new concept, what inspired you to become a Mental health ambassador in the first place, and what are your future aims with this endeavour?**

A. My journey with my own mental health has made it a key part of my life. As I struggled to find support for myself, to understand what I was going through and learn to be kind towards myself, I realized I wanted to develop my skills as a psychotherapist. In BecauseYOU, our programs are developed around 3 ideas of compassion, wholeness, and connection. We develop group-based programs that integrate different modalities on a somatic and mindfulness philosophy. We work with individuals and organizations in India and globally as well.

6. **What do you believe the aftermath of two years of lockdown looks like for us as a society, especially for children who have been virtually educated at such an important stage in their lives?**

A. I believe because we stopped for two years, we could create a sense of awareness among people, to look after the climate crisis and health. We are more aware now of how erratic and extreme the climate has become. In addition to this, the world has experienced wars and political unrest. Each individual - children & adults - has experienced hardship of some kind - grief, anxiety, loss, illness. We must also acknowledge the fact that education didn't reach everyone, many children in rural

India, as well as poor in urban India, during the lockdown there was no education. Now when we think about children coming back to school, I believe there's a lot to reimagine but most importantly the first step is creating time to process everything that happened during the lockdown. Both in schools and colleges, we must prioritize taking care of ourselves and each other by making time for physical health & mental well-being. This could look like a weekly time for students and teachers to reflect and share their experiences from the lockdown, daily meditation and yoga, or integrate more arts-based time like mindful art and movement to allow our body-mind to process and rebuild the resilience we need.

7. **Since many students have come to college for the first time, what suggestions would you have for them to utilize this opportunity?**

A. Just go slow. Coming to college for the first time can be overwhelming after being in isolation for so long. The noise, the crowds, the weather all this will be new for the mind-body to adjust to. Post pandemic exhaustion & overwhelm is real, we all will have to learn new ways to show up. Recognizing our emotions and what we are going through and also allowing it to happen is important. Ask for help when you need it. You will have to find your rhythm again; it is not going to be the same as before. Our college has great options to play and network with people, and using that will help you to nourish your soul.

8. **What would be your key principles in getting ahead and making a mark, especially for the first-year students at Xavier's?**

- "Find your values and keep finding them" - Allow your values to guide the choices you make.
- Find out how you are a gift to the world & don't be afraid to be different. It takes courage to be true to yourself.
- Find your support system, and create rituals to spend time with your friends and family, they will always be with you.

9. **St. Xavier's never leaves anyone who has been here. What are amongst your fondest memories of college life and your time here?**

A. Some of my favourite places were terrace classes and being with friends who completed my circle. I was a basketball player at that time, so obviously, I miss the basketball court and the time I had in the woods is the treasure I carry in my heart.

10. **Rapid Fire Questions**

a. **Go to corner on campus.**

A. The woods

b. **Favourite canteen food item.**

A. The mess Maggi

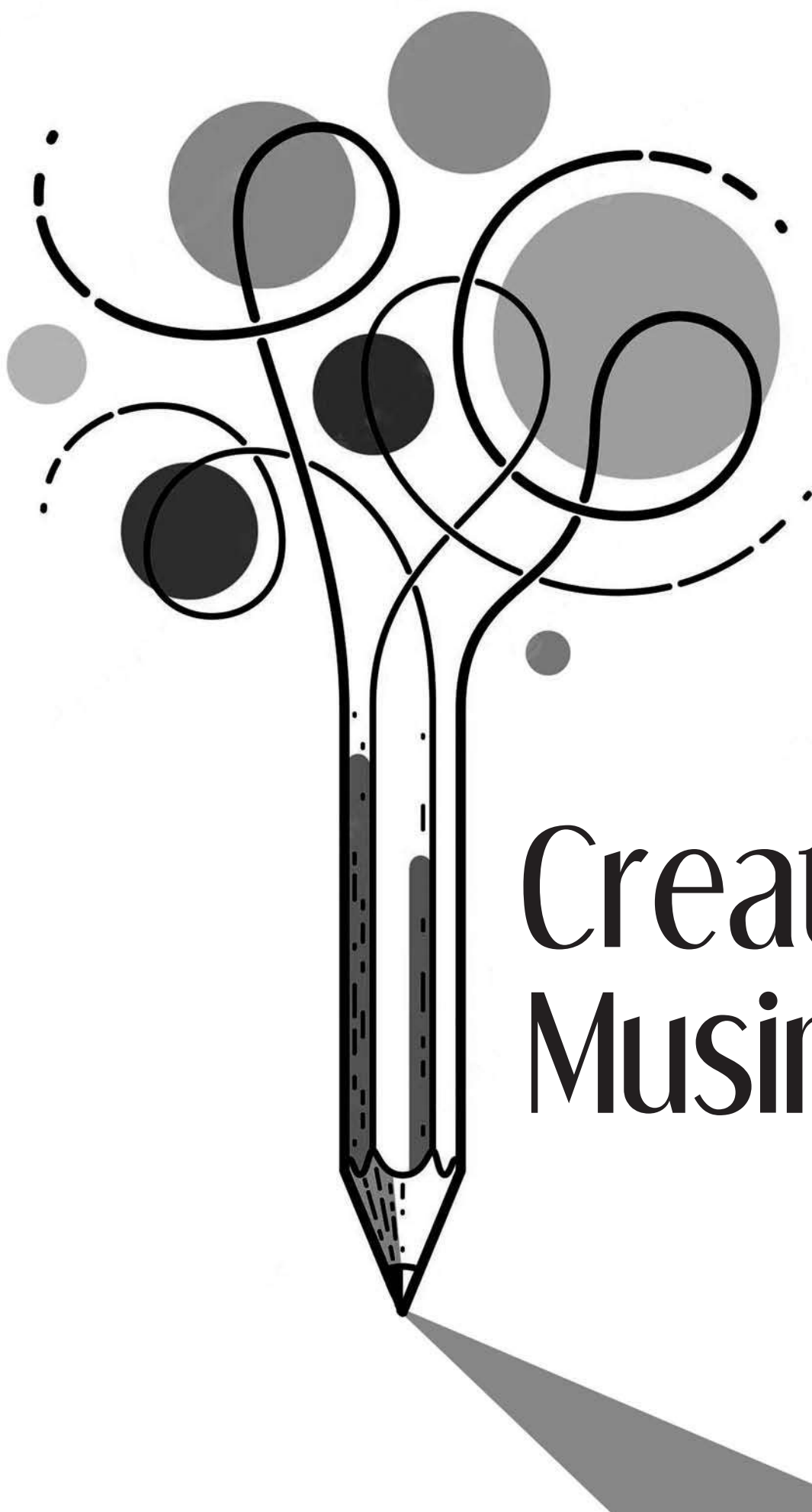
c. **Never have I ever gotten caught doing ___ in college.**

A. Wearing sleeveless

d. **Something you miss the most.**

A. My friends

Shreya K. Shaji
TYBAMCJ
Eshaan Gulati
SYBAMCJ



Creative Musings

HERR DIREKTOR

The peeling hospice-green paint was coy with the inspiration it so clearly had the power to grant. It must hide inspiration, the kind that pulled aesthetes and artists from feverish dreams and compelled them to compose their greatest works. It must hide inspiration, not for its objective muse-like quality - it was an unfortunate shade - but for the intensity with which the Secretary of the Director of General Affairs kept her eyes on it when spoken to. This concentration was necessary. The Director's long, drooping arch of a drawl lent the start of his sentences a heavy authority he did not have the vitality to sustain. So as to not lose his masculine gravitas, he pronounced syllables ponderously and ended statements quietly and ambiguously in the practiced manner of a wise man with an alms bowl.

She had been experimenting with a poem - recently having found that the secretary's desk and abhorrent green wall seemed to vitalise her desire to write - when

"Draft a notice about the ... d i s c i p l i n e t h e m s e l v e s . . . auditoriumtomorrow... makesure... dressmodestly....girls"

His voice was terrible, he must have smoked a cigarette with the Deputy after lunch. He had seemed sheepish when talking to his wife, who knew from his unusually strained tone when he had been weak to his habit. Like

his wife, she knew his peccadillos. She was not concerned that the Director was entirely incoherent, having drafted notices on two, even three cigarette days.

She had jotted down what she gleaned mid-stanza and examined it with some curiosity. Opening her desk drawer, she pulled a schedule-book out to see what was planned for the auditorium - *Disciplinary Address w/ Minister*. Next to be removed was a leaf from a neatly stacked sheaf of letterheads all pre-written with customary greetings and the Director's signature. De Beauvoir was placed on the far edge of the sheet, to hold it in place. The notice was simple.

8.07.22

Members are expected to attend the Disciplinary Address in the Auditorium tomorrow at 3 pm. Any breach of the Code of Conduct will lead to expulsion from the premises.

DIRECTOR.

She read and re-read the notice. She lifted her receiver and read the notice into it. "Good. Add that girls must dress modestly... butdontmakeitsoundlikethat." He put his receiver down. She followed suit. Her first draft of the notice was neatly crumpled and lowered it into the dustbin.

A second letterhead was skillfully separated from the sheaf, and pen was

placed against paper. Writer's block. It was not uncommon for her, but there was no inspiration left to be unearthed, no serendipity to be interpreted - the director had told her exactly what needed to be put down. Immodesty was no doubt a breach of the Code of Conduct. Why a separate statement? What was construed as immodest? She suspended her reasoning and decided not to bother, placing De Beauvoir a second time.

The question of making this demand of modesty palatable. The four letter words her father used to explain what would happen to her when she was too immodest came to mind. Very unpalatable. Her mother was second fiddle to her father. An ameliorate tone, a repetition of the same sentiments, more palatable words. How would her school principal say the same? Curtly. Her boyfriend? Carefully. Her sister? With solidarity.

How then, to put it?

8.07.22

Members are expected to attend the Disciplinary Address in the Auditorium tomorrow at 3 pm. Any breach of the Code of Conduct will lead to expulsion from the premises. Clothing must contribute to a professional atmosphere.

DIREKTOR.

The 'Herr' she left implied.

Amev Periera
SYBA

FREEDOM AND ITS PRICE

Freedom is liberating oneself from the turmoil caused by other people's opinions and living to one's own principle. Freedom is when you are finally free from the shackles of society and its standards. There are two types of freedom, freedom 'from' something and the freedom 'to' do something. People want freedom 'from' pain, danger, hunger, suffering. People also want freedom 'to' do what they want, dress how they want and say what they want. There is a desire for freedom in

all of us. Some people are locked in physical prisons with metal bars and crave to be free of that, but nearly everyone is locked in the mental prison of the mind and definitely craves, sometimes unknowingly, to be free of it. A human longs for freedom, for it is a sign of hope. One's freedom could be curtailed because of many things. In our generation, social media and society's standards play a large part in this. Social media sources promote false beauty standards, the people

who see these platforms promoting a 'perfect' figure, try to live up to those expectations. Racial profiling also has a large part in the curtailing of freedom. For many years people who were of a different colour were demeaned and mistreated. Their freedom was oppressed and they had to do what was told. In India especially, religion and caste also contribute to this matter. The people of certain religions are expected to do only a limited amount of things and they have to comply. Converting

from a Hindu to a Muslim will be looked down upon in most parts of our society. One's freedom can also be curtailed due to the lack of knowledge. Knowledge is only provided to some, due to this lack of knowledge, people do not know their rights and they cannot differentiate between right or wrong.

The pursuit of acceptance makes people want what is not right for them and makes them do things that will eventually put them in a bad position. According to me, the factor that curtails freedom the most in our day and age is social media and society's high standards. Every culture has social norms, which people follow largely because of the negative consequences of appearing different. Generally, most norms are benign, but a bunch of them are harmful. An example of the latter is Chinese foot binding. For roughly a thousand years, girls in China were routinely crippled by a process of binding their feet. Beginning typically between age four

and six, girls' feet were bound tightly, with increasingly tight wrappings. The binding process involved deliberately breaking the bones of the toes and other bones in the feet, and curling the broken toes underneath. All through their lives they would have to walk in a mincing manner that was viewed in China at that time as the height of femininity. The process also often resulted in infections and life threatening complications.

Body shaming has also become something of a social tradition, especially among women, and it perpetuates the idea that people should be judged for physical features. The truth is, when you're judging physical appearance on how "good" or "bad" it is, what you are really doing is implying that the way a human looks is more important than what that human does. Instead of beating yourself up because you don't look like 'Instagram stars' who take hundred pictures to get the right shot, follow successful role models who are confident in a body

similar to your body type. Better yet, follow inspiring people of all shapes, sizes, colours, and genders to remind yourself everybody is beautiful in their own way. Even when you love yourself, if an evil voice inside your head fills you with superficial doubt, your confidence will lower by watering down your perception of yourself. You have decided to measure yourself against other people, and have set standards for yourself that essentially have nothing to do with you. When you look in the mirror, be conscious of your negative thoughts and try to find things that you like about the way you look, eventually, your flaws won't bother you so much anymore. At the end of the day, we decide what we let impact how we conduct our lives. In conclusion, what would be the final proposal to change beauty standards in our current environment? We need to unlearn what is fed to us by society and learn what the true important traits can be in a person.

Lyla Shroff
SYBAMCJ

ALL YOU NEED TO DO IS CHANGE

All this while in my own bubble everything was precise,
And need to change seemed very far from my sight,
Couldn't realize it was important,
To break my own rules and make it alright.

When time had come to unwind and learn,
World took its own way to collapse.
Failure was a constant thought that returned
And left my mind with numerous gaps.

You cannot think you have achieved enough,
It will leave you from where you began,
Although to change in every walk of life is tough
But make yourself so capable that you will never run.

A road for your relearning,
Will always be grey in color.
When you change up your pattern to cross the bridge,
The sky will seem multicolored.

Albinia Saldanha
Msc. Biotechnology

LEARN, UNLEARN AND RELEARN :

A CHRONICLE EXPLICATING ITS MAGNITUDE, SIGNIFICANCE, RELEVANCE AND NEED IN CONTEMPORARY SOCIETY.

In contemporary times, intellect is deemed to be the most pronounced marker of success and affluence. Consequently, the process of learning is reckoned as one of the primary resources that aids in accentuating the reasoning capacity of an individual. Customarily, learning is a relatively permanent change in behavior due to practice or experience. However, in present times, this definition of learning has to be challenged considering diverse undercurrents and nuances that makes learning a continuous, voluntary, self motivated yet a transient process. Society can be perceived as one of the numerous agencies of edification that fabricates and promulgates a mechanism of learning which is inflexible, inelastic and static. This discipline of learning has predominantly been covert, innate and instinctive. Individuals fall prey to this subliminal channel of learning due to the unwavering mindset of rendering and construing a singular centric learning culture across generations which we now discern as indoctrination.

Thus, conventionally, knowledge acquisition for an individual transpired in conjunction with the ubiquitous and immutable social canon. This preconceived set of dogmas that influence learning periodically decimates the strands of pragmatism, functionality along with the utilitarian approach that is also supposed to be woven into the fabric of changing the world time and again.

In today's fast paced lives, change is the only constant. Not only is it inevitable but is also indispensable for human growth and development. Even ancient scriptures like Gita refer to creation as "samsaara" which is deciphered as "samyak sarati iti samsarah" meaning, that which flows incessantly, where creation and flow resonates change and metamorphosis. There is a plausible reason behind this discussion of the significance and influence of change. The notions of evolution and the vicissitudes of development modes

have never been more apposite than the recent chapter of pandemic (COVID 19) that we have all confronted and endured. This episode has now compelled us to dissect this design of learning while expressing the fervent need for translating learning in more objective, comprehensive and practical terms.

Across multiple doctrines, learning has begun to transmute given the requisite of progression and adaptation. Charles Darwin once said, "It's neither strongest nor the most intelligent that survives, it's the one who is more responsive to change"- which he called the fittest. This maxim continues to be pertinent. Today, the one who can learn everything is not considered superlative. Infact, astute is the one who can navigate the difference between controlling the paradigm and being controlled by the paradigm while orchestrating a feasible response. Hence, learning now embraces and incorporates avant-garde innuendoes and nuances of "Unlearning" and "Relearning" as crucial subscribers of the practice of learning as well as maturity spanning across diverse domains involving social, emotional, etc. It is imperative to comprehend that while the capacity to learn is a gift, the ability to unlearn is a skill and the willingness to relearn is a choice. This paradox of learning was propounded by Dalai Lama when he said, "We have wider freeways but narrower viewpoints". The goal of unlearning and relearning is precisely to broaden our spectrums, become more tolerant, inclusive and adaptive. The most explicit example of this would be the life of butterflies. Had the butterfly not been acceptable of changes and adopted newer approaches, it wouldn't really become a butterfly. Learning culture keeps transforming at every stage of life. This phase of pandemic has simply reverberated these facets.

With respect to student context, the liminal phase from offline to

online education has been extremely taxing and overwhelming in terms of acclimatization and remodeling. When it comes to the students, how exigent and perplexing it was to learn without having a teacher in front of you in real, not copying notes from the blackboard, not raising hands physically to answer, not packing bags as per timetables, not socializing and the list goes on. Likewise teachers who have always been oriented and tailored to teach in a classroom setting with chalks, duster, blackboard, etc were unexpectedly supposed to concoct, revive and renew the same teacher-student rapport in a digital circumscribed space and fashion known as zoom, google meet, etc. we all adapted to changes sooner or later. This illustrates that no matter how unfavorable or inconvenient the situation gets, one can still sustain by being cognizant and open to novel perspectives. This is what unlearning is all about, giving up on certain strands of already existing information which have overtime become incongruous. It also involves unleashing your potential and practicing filtration. One has to unlearn certain schemas, for eg, during pandemic, students and teachers had to unlearn the schema of schools, colleges, classrooms, etc. Simultaneously, challenging mental maps, acknowledging and accepting remodeling are also stages of unlearning which strengthens one's interpersonal skills, sharpens creative thinking and problem solving tangents of one's personality. This enables an individual to function efficiently, to critically analyze, evaluate while becoming conscientious of discarding obsolete beliefs and formulas, drawing our attention to the updates we need in life. It's about recognizing that what got them here will not necessarily and customarily take them there. For eg, when students transition from school to college, they have to unlearn the old methodologies and ideas such as rote learning, wearing uniforms, etc inculcated in school. This further

involves refining school pedagogy while still being centered around microcosm of seeking knowledge.

Unlearning is not literally the antithesis of learning. In fact it aids us in questioning what exactly learning means to us. For a very long time, we have been immune to questioning what classically has been instilled in us. Even mobiles and laptops require timely updates for coherence, don't they? Gert Biesta coined the term "learnification" of education to explain how we learn all the time within a defined framework along with our repeated failure in denaturalizing its idea and challenging its hegemony to an extent that learning can now echo osmosis. Thus, in today's era, it's incumbent to apprehend that with changing 'contexts' an individual's learning that was once useful becomes less credible and useful. Thus, unlearning former learning paradigms and adapting to diversifying continuum is what makes the difference. In the present era, competition is turning so fierce that knowledge is now traded for power or rather is synonymous with power. Simultaneously, one can also reckon that with the surge in the use of social media and internet, simply being knowledgeable doesn't make one potent. What makes one cogent is the degree of radicality and flexibility that comes along with the knowledge. This realm can only be buttressed by embodying how to learn to unlearn. One more reason to practice unlearning is the fact that

our preconceived learnings and beliefs over time tend to drive our actions and decisions which may or may not be viable. Unlearning is then about confronting not just about 'what' but also about 'how' and 'why' do you do a given task in a certain fashion.

It's often said that assumption kills possibilities. Indeed, there is a superlative scope for innovations but unfortunately, one can see it only when the blindfold of numerous conjectures is taken off. Additionally, singular centric approaches are replaced by plural dynamics during the process of unlearning similar to the concept of neuroplasticity or brain plasticity. Relearning is yet another facet that is crucial to the new standard of learning. Unlike unlearning, relearning doesn't involve repudiation but replacement of old with advanced perspectives, notions, etc. It is the process of developing novel comprehensions and behaviors chronicling around the same concept. Relearning is to proactively contribute to the system of metamorphosis thereby accentuating resilience and skillset against uncertainty. Albert Einstein stated that "The problems we have today can't be solved with the same thinking that we used when we once created them". For example, during the pandemic, employers had to suddenly adapt to the new normal of work culture which was online and work from home. They not just had to relearn but also upskill their approach to work, by coming down to their basics.

Today, however, curiosity is more vital than cleverness. Asking questions and self reflection is the key to competency. Being smart depends upon how an individual is open to constructively criticizing one's own ideologies, policing one's confirmation biases, pondering about consequences yet considering this diversity in mindsets as enriching. When you leave space for alterations, you leave space for exploration, discovery and revolution. Just as one had to unlearn that earth is round is actually to relearn that it is spherical. Some other examples could be how women need to unlearn that their only purpose in life is nurture and cook, men need to unlearn that being vulnerable and emotive isn't emasculating and finally we all need to relearn that universal solidarity and collaboration must quell competition and envy.

Our knowledge is our privilege and responsibility. As much as it is our privilege to acquire and learn, it is also our fundamental responsibility to share and disseminate. It's only when we understand that learning is shared, collective, malleable, subjective all at once is when we will truly appreciate the art of unlearning and relearning. The definition of learning has evolved through the years and it cuts across the length and breadth of life philosophies. As Alvin Toffler rightly said, "The illiterate of the 21st century will not be those who cannot read and write, but those who cannot learn, unlearn and relearn."

Khushi Goradia
FYBA

TRUST

Trust is a delicate piece of art, which is crafted with the utmost love and care. It is painted with hues of love, laced with assurance, brushed with supple strokes of faith, and finished with a delicate dusting of hope. The most secure parts of our hearts contain this art. Some people need years to develop this delicate craft, while others only need a few days. The fact that this beauty can be destroyed in a million pieces by a careless word, a

minor oversight, or a microscopic fracture, nonetheless, is universal. It leaves a scar in the heart of the same person who nurtured it with childlike innocence and utmost affection. This precious glass artwork, shrouded in betrayal, tears through the victim's body and destroys him, leaving him gasping for air.

Trust is the most primal human emotion. It has been seeded in every

organism. Trust is what made Eve so sure that Adam would also taste that forbidden apple. It is what caused the first caveman to believe in his companions to lookout for him when he made his first attempt to kill wildlife. It is the same quality that binds a human to another human. A newborn just out of his mother's womb cries his eyes off until he hears that familiar heartbeat, the one that he has heard from the time his ears could

perceive sound. It is the same emotion that a dog carries in his eyes when he sees his new owners, his new home. It is perhaps the first emotion an organism feels, understands or forms when brought into contact with a similar organism.

Trust issues are the most talked about psychological aspects of relationships. It is “the red flag” of every teenage love story out there. Hours of a therapist’s job are consumed by this issue. Some people spend hours and hours forming this basic emotion. For some, it is an instant reaction to the connection that is formed.

Many small relationships in our lives thrive on this trust. The mailman is a complete stranger whom you invite into your house when they ask for a glass of water. The teacher’s advice you follow in a chemistry lab. The

cab driver’s directions are given more weightage than the internet. Most importantly, the trust you have in the Supreme Power to save you from every possible scenario. Everything is built on trust, from the most insignificant to the most important relationships in our lives.

The most horrible crimes in history have taken place due to the breach of trust. Humanity has been shaken a million times because of this inhuman betrayal—the 9/11 attack, the Taj attack, the Mumbai blast of 2002. The assassinations of world leaders—Lincoln, Gandhi, Subash Chandra Bose, and many more— One of the most celebrated tragedies of all time, “Julius Caesar”, is about betrayal by your own kind. The greatest failure has always been the treachery committed by those whom we believed, the ones we never thought could do us any

harm. This is because when someone’s trust is broken, it feels more like an internal defeat than an external attack. It makes a person unsure of their decisions, their loved ones, and more frighteningly, themselves. It manages to destroy the victim’s entire world, or at least a small part of it, in a matter of seconds. It is the ultimate inhuman crime.

Trust is the beautiful china you pick up from the store after hours of browsing. When you finally find it, the smile on your face is a symbol of success that you found in that set of plates; it is your belief that it is the one and will never let you down. It is the emotion that forms the foundation of every relationship, that adds passion to every story, and keeps you hopeful every day.

Sreelakshmi Nair
FYBA

TARA

It was raining heavily. A school bus whizzed past, splashing water everywhere. Parents collected their children and climbed in to expensive cars with the liveried chauffeurs holding doors. Children were laughing and shouting, the parents looking on with indulgence while chatting with each other. Once in the car, the excited boy started telling his mother about his day at school. His mother laughed and wiped a raindrop from his cheek. Tara smiled sadly at the happy family and then she clutched her bag tightly to her chest as she rushed towards the bus, her feet noisily splashing water on the concrete. Once safe inside the bus, she slowly opened her heavy bag and peeped inside. A tiny smile graced her face as she looked at the contents of her torn, brown bag- stolen textbooks.

Tara was one of the last passengers left as the bus raced towards the poorer part of the city. No longer did tall skyscrapers adorn the horizon, instead they were replaced by tiny, grim looking houses. Tara got off in front of her humble abode and quietly walked towards the ladder at the back of her house. Holding onto the ladder with

one hand and the bag with another she climbed up to her terrace and hid the books amongst the various pots and pans that her mother no longer used. Climbing down the ladder she entered her home and was greeted by her drunk father, as usual.

“Where were you?” His words slurred as he angrily asked her whereabouts.

“I was playing with Reena, baba,” she looked down at her dirty feet.

“I hope you weren’t with your stupid books. No boy will ever marry you if he knew you could read.”

“I know. I wouldn’t dare touch any books.”

“Good, learning and education is only for boys. If girls learn, they might start going to work,” her father thundered with laughter at the ‘absurd’ thought of women working. “Now go, help your mother cook.” He took a big gulp of the cheap liquor and laid on the frail cot.

As soon as everyone was asleep, Tara ventured to the terrace and retrieved the books she had hidden. Cradling

them in her arms she took the tiny, yellow lamp and sat inside the store room. She could hear rats scurrying around her but this was her favourite part of the day. The time when she taught herself. Her parents had barred her from going to school but that didn’t stop her from gaining education. At 13, she was already a fan of Tolstoy and Saki. Each day she would go to the town library and steal from their storage room.

For Tara, learning was the key to a better life. She couldn’t wait to turn 18 and run away from her home to get herself enrolled in a university. To many, education might feel like a chore but to Tara, it was a privilege she wasn’t allowed. So, she stole and she lied but she educated herself.

In the dim light of the yellow lamp, she traced the words of the textbook with the tips of her coarse fingers and smiled as she whispered her favourite quote, “Education is the most powerful weapon which you can use to change the world.” Words of Nelson Mandela reverberated in the dark night.

Priya Misra
FYBAMCJ

SHE

“I love you” she smiled mindlessly,
while he planted a kiss over her forehead.
It all felt different,
As the winds spoke gibberish,
That had never occurred to her before.

She found the letters,
the fragrance that now smelled dull,
the memories that faded into nothing,
as the distance dragged itself,
between her heart that stood left.

The petals fell dead,
Like the love that once blossomed for him, along the past.
the tension within grew rapid,
as she wondered about the possibilities
that had simultaneously crossed her path.

He loved her very much,
but it didn't matter,
the way it did once around.
Empty and forgotten,
Her heart felt the weight of the ocean,
Drowning into the deep,
suffocating and loud.

The days went by,
As the nights preyed over.
The doubtful space that cramped the good,
Uncomforting the comfortable,
Resurfacing the red to blue.

The tales that he reminisced,
Now seemed foolish and lost.
As the union of love that she called for,
Claimed a missing piece of fortune.
A fortune so priceless,
That fills the content of this contract.

Sitting by the fire,
The flames don't hold envy.
As the ashes diminish to nothing,
She stares at the future that unfolds.
Recollecting, “For better, for worse... until death do us part.”

Abigail Fernandes
FYBA

LEARNINGS OF LIFE

Life is a long process of learning,
You learn from good, you learn from bad,
Gain something or lose all that you have,
But knowledge will never go out of your hands

You learn from your family and foes,
And from people you don't even know,
Don't you ever close that door,
Keep on seeking more and more

You learn from your mistakes and failures,
And from friends and haters,
Sometimes it's sweet, sometimes bitter,
Life's a book, learn from every chapter

Even if your old and grey,
Your learnings will always stay,
They won't fade away,
But will get brighter day by day,
So keep learning everyday

Janice Fernandes
FYBSc

GREY

You are good and you are bad
And thus, I would classify people and everything
When I was eight.
But it doesn't work like that, does it?
And so, this realization welcomes me into adulthood.

I cannot think in dualities anymore, can I?
You are good, yet you can be vicious at times
You are bad and yet you have a human side,
You Might have a friendly face but a corrupt mind.

I am nineteen and I have come to terms
That life is grey, and
Nothing can be drawn into zebras
Especially people and even my mind.

My childhood self never thought
One day I would wake in a world like this,
The world is a grey painting,
might as well accept it.

Grey is not pretty but it is not dull
It is quite something,
That leaves for room for choice and
Interpretation.

But I guess, there is beauty to it
Because you will not find finite versions,
Everything is a new discovery, a new piece
And you have to change the way you see.

The world is a grey painting,
Let's find our way through it.

Varada Sathe
FYBA

NAVIGATING THROUGH LIFE'S LEARNINGS

Wake up today and learn to smile,
The world may just be good instead of being vile.
Unlearn the hate, relearn to love,
If it's peace that you seek, try being the dove.

Learn to know your worth, learn to live alone,
Thrive in a group, find solutions on your own.
Unlearn the need to rely on a few,
Relearn, because in the end it's usually just you.

Learn to live and not just to survive,
Don't merely exist but try to thrive.
Unlearn the notion that you need to be someone,
Relearn that even the stars were once no-one.

Let not the child in you shy away,
Cry and scream, show your joy and dismay.
Learn that the world will always be moving,
Relearn that it is you who can keep improving.

Jennifer Jayan P
FYBAMCJ – A

MAGIC

There are some sounds that will imprint themselves in your life
When the air vibrates and the noise reaches your ears at the exact wavelength it did years ago
Your best friends laughter
Your dogs bark
The sound of your moms screams
The sound of being lashed by a belt
The snapping of a neck
Memories come rushing to your head faster than you can stop it
It's too late now here they come
The tone was set
The room filled with darkness in every corner by the simple flick of a light switch
The door locked and the sound of the bolt clicking into the hole
Feet being dragged across the floor
His heavy but slow breathing and the creaking of the bed as he climbed up on it
The bottle falling to the floor
The scream stuck in my throat
Because how do you scream if there's nobody to listen to you
Because how do you try to make a presence at the same time as trying to hide yourself
How do you cry when you've been emptied inside out
I learnt of a tribe that has no word for love in their language
They go their entire lives without seeing the need for it
And then I wonder if my father is a native speaker of it as well
I wonder if I put all the scars and bruises together it'd spell the word love as a last screw you from him
To show me what I was missing out on
To show me something I could never get
Dawn comes the heavy breathing goes away
I run to maa just like always but who will maa run to
I look into her empty eyes and I dread the moment as night falls once more
I always wanted to get tattoos until the words useless, good for nothing, slut and whore were imprinted into my skin by the person who was supposed to protect me
I flinch with every footstep he takes with every breath he draws in
And so I begin to dream
I dream a dream where I'm all alone
I dream a dream filled with friends and cake and balloons toys and so much more
I dream a dream where I'm flying into space with a smile on my face
I dream so many dreams where it's me but I'm happy
I snap back to reality and it's been years
I'm walking on the pavement with my friends
I'm going somewhere I can actually call home
It's been years
I know it has
My mother always told me that I was special that I could see the future
She told me that my reflection in the glass wasn't of me then
That it was a vision of the future
Everyday I stared into the mirror until one day I saw myself smiling
And I knew the future would be good because I've seen it
I once watched a video of a magic trick performed by a man with no hands
A card trick by an amputee
But the real magic wasn't the trick but the fact that even someone like him could do something
That something impossible was made possible
That anyone in the world could leave an impact
So the next time someone asked me who I was
I smiled at them and said I'm magic

BY THE OPEN WINDOW

The sound of silence,
Echoes through the walls of this house.
I tend to see nothing,
All very abstract and intangible.

The light that passes through the glass window,
Creates a spotlight for the strange phantom.
The phantom of my very soul,
The phantom of the unsympathetic swirl.

The unknown cluster,
All around the darkened chamber.
The dusty curtains,
The scattered pages that lie below.

Loud and distant,
The cries of the dark.
The crumbling sky,
Falls dull in my arms.

The constant fear,
Trembling and shaking through the roots.
The screaming agony,
Excruciatingly unbearable.

By those tall glass windows
Waiting impatiently for them,
For who can take all this sorrow away,
And pour forth the forever sweet slumber that
I wish to fall into.

I wait for the pain to soothe in,
Wait, for the memories to wipe out.
As I sit by the open window,
As I dissolve within it all.

Abigail Fernandes
SYBA

THE ROOM OF LIFE

The light once turned the whole room bright,
Lighting up every corner.
A newly painted room
With a brand new light
And soft pink flowers
On a circular table in the centre.

The flowers were the first
To be sucked into the void,
Withering away in a few days.
The pink turned dull,
The petals turned dry.

The paint came next,
Lasting longer than the flowers:
Until cobwebs covered the corners,
Dust covered the walls,
And the not-so-new paint started to chip off,
And the light stopped reaching the nooks and crannies.

The light started blinking,
On and off it went.
It became duller,
Dust blocking it's shine,
Until one day
It never lit up again.
And that was the end
Of all things new and bright.

Deeti Gupta
SYBA

COMING OF AGE IN A GLOBAL PANDEMIC

The World Health Organization website defines CoronaVirus as an infectious disease caused by the SARS-CoV-2 virus. It categorized Covid 19 as a 'pandemic' on the 11th of March, 2020, which also incidentally, is the day I turned 17.

If you are someone who's grown up reading young adult fiction and watching coming of age movies, you know how important the 17th summer of your life is. This is the final summer before you turn 18 and go off to college, it's a summer of firsts, your first love, your first kiss and your first heartbreak. Alas, we all know how this particular story goes; within just two weeks of turning into an almost-adult, the world as I knew it changed. India went into a rigorous 'lockdown' holding hostage my ideal teenage dream.

For an intensely talkative and people-loving person, being confined to the same four faces of my family in the same four walls of my home for months without an end in sight was excruciating. My worst nightmare was now my life. There was darkness everywhere and it was hard to see the small rays of light breaking through. The things that would have seemed inconsequential earlier like talking to a friend for hours, going grocery

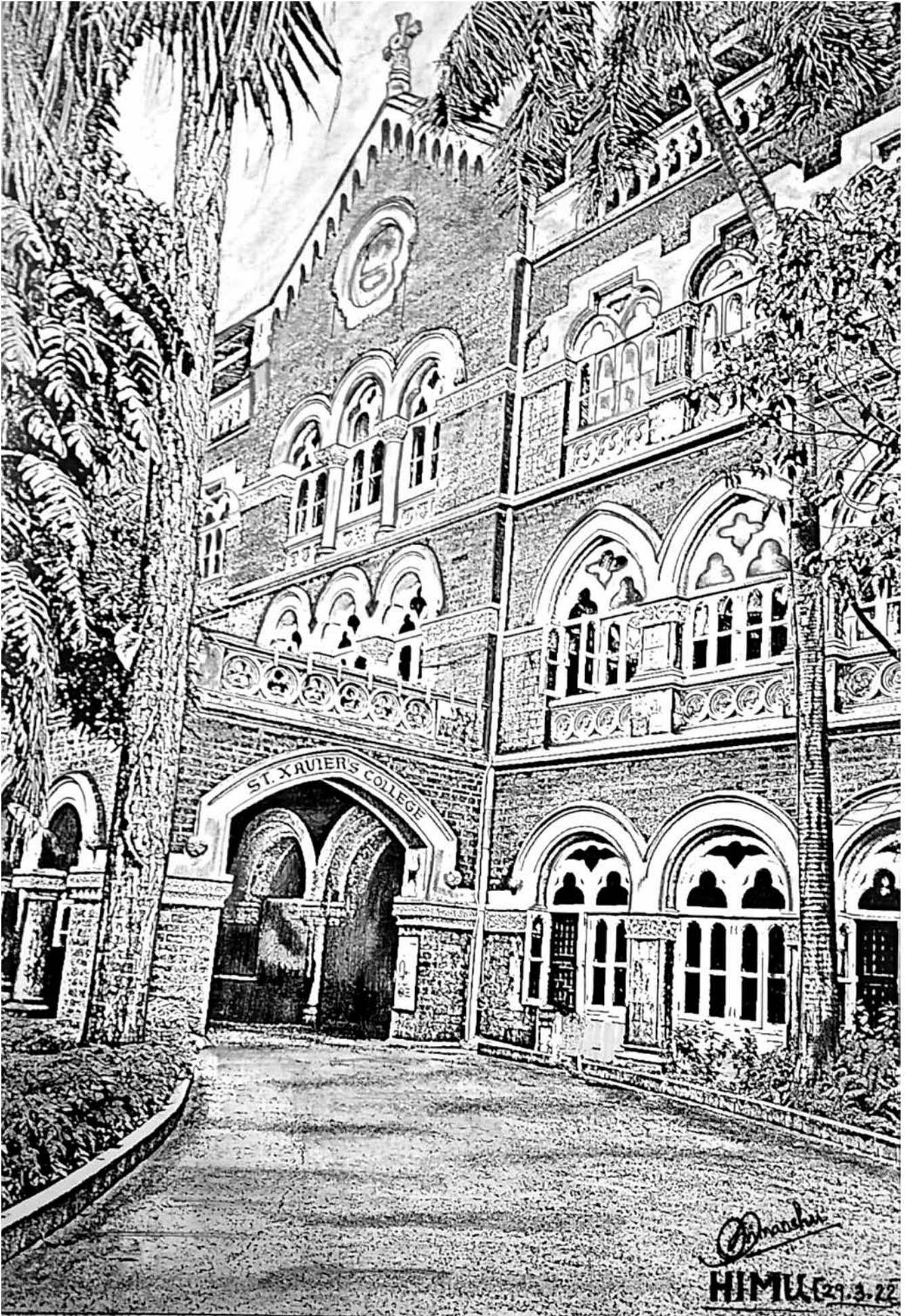
shopping or listening to stories from my parents' childhood that they'd already narrated before gave me joy. I was forced to spend time with myself and my thoughts. All the hullabaloo about introspection finally made sense. Realizing that I can be happy with my own company was the last boost my narcissistic self needed! Keeping the optimism aside, the last year of being immature and frivolous was stolen from us. While we should have been discussing high school drama and crushes we were talking about vaccines and hospital beds. We grew up because we had to, not because we wanted to.

Just when it seemed like I was finally making peace with myself, getting used to online education and online friendships; the world switched on again. In this post-pandemic reality, we didn't know how to actually hold conversations anymore, how to know someone beyond their social media profile. After months of rolling in bed while professors droned on, we were expected to give our undivided attention to 50 minute lectures. Our attention span of 15 seconds, curated by Instagram Reels was left quaking under this pressure. After the comfort of our homes and lives of consoling monotony we were thrust into a

competitive and uncomfortable sphere like toddlers going into schools for the first time, leaving their mamas at the door. We had to unlearn the utter paranoia that had become so innate in us that we flinched every time someone coughed.

Our very definition of normalcy was shaken to the core. Today, we are trying to relearn what our 'normal' really is. If we decide that it is the pre-pandemic life that was normal, we will be doing a grave disservice to the process of learning, growth and development all of us as a society and as individuals went through. I will be eternally grateful for everything this tragedy made out of me. All of our different experiences have given rise to so many avenues for conversation. I would like to believe that it has taught us to be kinder people and changed us in ways we might not even know of, yet. After all, every cloud does have a silver lining, even the darkest ones. Even though we were forced to grow up, I have faith that as fresh adults forged by the pandemic, we're going to do big things that haven't even been thought of before, we're going to be just alright.

Vaidehi Joshi
SYBA MCJ



LES MOTS FRANÇAIS

UNE CONVERSATION AVEC M. L'APPRENTISSAGE

Souvent, je demande à M. L'apprentissage :
« Où êtes-vous, gentil Monsieur ?
Caché, comme un trésor, derrière un écran ou deux ?
Enterré, sous les pupitres d'un lycée fermé ?
Perdu, dans une craie qui n'a jamais vu la main d'un prof ? »

Faible, on entend la voix du gentil Monsieur :
« Les années se précipitent vite... vite...
La mode de vie bouleversée
D'une normalité tout à fait bizarre,
D'une pandémie, d'une révolution informatique.
Rien ne semble tel que c'était avant,
Semble que les décennies s'écoulèrent dans un instant !

Vous dites que vous apprenez,
Mais lire, dire, écrire ne suffisent plus...
Il faut questionner la norme, affronter le passé,
Et enfin réapprendre.

Si l'on refuse de s'adapter,
Si l'on ne lit pas ce nouveau chapitre
Impressionné sur le livre de notre vie,
On y restera, tout émerveillé,
La nouveauté nous dépassera.

Que ce soit les nouveaux défis qui vont se présenter,
Ou les opportunités inoubliables qui vont vous traverser,
Ou les plus hauts sommets à atteindre,
C'est à vous de les monter, les conquérir, victorieux !
Êtes-vous prêt ? »

Andrew De Sousa
SYBA

LE VOYAGE DE LA VIE

'LA VIE', C'est peut-être un mot de quatre lettres,
Qui vient avec les interrogations, les plus complexes,
« Où est ma place ? », « Quel est mon but ? »,
Se pousse à faire ces investigations

Ohh, la vie, qu'est ce que c'est la vie ?
Est-ce une émotion ? Est-ce une dévotion ?
Est-ce une guerre ou est-ce un état de nirvana ?
S'agit-il d'une expérience d'apprentissage ou
Se polir pour mieux réapprendre ?
Est-ce une porte pour entrer dans le "monde" ou
Est-ce une exposition aux routes banales ?

De quoi s'agit une vie, une vraie vie ?
Personne ne pourrait y jamais penser
Alors les gens ont été obligés de repenser
Des notions de ce débat.

Comme tout le monde l'a toujours cru,
La vie vient comme une table rase,
Nous fait apprendre et goûter
De tout ce que nous avons vu et appris.

Elle nous apprend une pléthore de choses, qui
Nous fait savourer de nouvelles choses.
Elle nous donne de vrais apprentissages,
Sous la forme de millions de bénédictions et
d'expériences
Elle nous aide ainsi à devenir un « HUMAIN »
Avant d'atteindre le "jour du malheur".

Smrita Muthuswamy
FYBA

LE DILEMME DES ÉTUDIANTS

Le dilemme des étudiants – s'adapter aux méthodes d'enseignement changeantes pendant et après le confinement

2021

7 h du matin (soudainement je me réveille)

"Oh mon Dieu! Comment je n'ai pas entendu mon alarme à 5 h du matin? Si j'arrivais en retard au lycée, je ne serais pas autorisé à entrer dans la salle de classe. Je manquerais mon cours et ma présence.", je dis en criant.

L'alarme sonne.

Je réalise soudain qu'il me suffit d'entrer dans la salle d'attente de zoom à l'heure et je pourrai alors assister à mon cours sans aller à l'université.

2022

Maman:- "Va prendre un bain avant d'entrer dans la salle d'attente sinon tu vas t'endormir pendant que ton professeur enseigne."

Moi:- "Détends-toi maman

Mon professeur ne pourra pas me voir car ma vidéo est désactivée..."

Quelques minutes plus tard.

« Amy... Amy... réveille-toi. » J'entends la voix de mon camarade de classe et j'ouvre les yeux pour voir que tout le monde dans la classe me regarde. "Madame va te jeter hors de la classe Amy. Elle peut te voir"

Et je me rends compte que je ne peux plus dormir pendant les cours car j'y assiste maintenant en présentiel au lycée.

Cette anecdote n'est que le sommet de l'iceberg car c'est l'un des nombreux effets secondaires de la pandémie qui ont bouleversé la vie des étudiants. Au début le Covid-19 nous avons fait découvrir une méthode d'enseignement dont nous ne savions pas qu'elle pouvait fonctionner - l'apprentissage en ligne. Bien que cette méthode ait été difficile à adapter pour les enseignants ainsi que pour les élèves, elle a permis de poursuivre l'éducation des élèves dans le confort de leur foyer. Les étudiants ont dû désapprendre les anciennes méthodes d'éducation afin d'apprendre le système actuel. Cela leur a fait réaliser l'importance d'assister physiquement aux cours à l'université, car ils avaient du mal à faire attention aux cours en ligne. Ils ont dû apprendre à ne pas être distraits par d'autres applications sur leurs appareils, même si beaucoup d'élèves n'étaient pas capables de se restreindre et étaient donc souvent distraits. L'apprentissage en ligne a également rendu les étudiants victimes de léthargie, car plusieurs élèves dormaient même pendant les cours. Ainsi, dans cette transition entre la normale (avant la pandémie) et la nouvelle normale (durant la pandémie), les étudiants ont dû apprendre à faire face à ces circonstances radicalement différentes qui n'avaient été vécues par personne auparavant. Ils ont dû

aborder cette situation de manière nouvelle et désapprendre les anciennes méthodes.

Cependant, avec la diminution du nombre de cas de Covid-19, les lycées sont actuellement fonctionnels en présentiel avec les cours qui ne sont plus en ligne. La transition de présentiel à en ligne, puis à nouveau en présentiel, a été fastidieuse pour les étudiants car ils ont du mal à rester éveillés et à l'écart de leur téléphone portable en assistant à des cours en présentiel. Après la fin du troisième confinement, avec la vie universitaire en présentiel, ils ont dû désapprendre leur habitude d'être à la maison et il faut apprendre à apprécier la vie universitaire sur le campus universitaire. De plus, ce cycle d'apprentissage, de désapprentissage et de réapprentissage a toujours été fonctionnel dans leur vie, mais c'est pendant et après la pandémie que ce cycle s'est complètement manifesté. Comme pendant la pandémie, les étudiants ont dû désapprendre la nécessité de vivre une vie trépidante et apprendre à s'accorder à une pause dans le chaos de la vie quotidienne. Ils ont appris à apprécier la vie telle qu'elle est et à vivre dans l'instant car ils ne savent jamais quand ce pourrait être le dernier moment dans cet espace. En effet ce cycle est fastidieux mais c'est aussi une partie très importante de la vie d'un individu. Donc, nous devons suivre le flux de ce cycle, sinon nous serons toujours bloqués à un moment donné et notre vie stagnera.

Priyal Sanghvi
FYBA

J'ATTENDRAI QUE VOUS VENIEZ, MAIS SI VOUS NE VENEZ PAS....

J'accepterai la douleur. Je verrai les couchers de soleil et je penserai à vous. J'irai au restaurant et je commanderai votre plat préféré. Je ferai de l'art et je le détruirai. J'écouterai des chansons tristes. Je rencontrerai de

nouvelles personnes. J'irai au pique-nique avec des amis. Je mangerai mes bonbons préférés. Je caresserai un chat et j'observerai ses moustaches. Je voyagerai en train. J'étudierai dur pour mon diplôme. Je ferai du ski et enfin, je serai heureuse.

Je ne vous aimerai plus. J'apprendrai que mon cœur est planté pour me caresser et m'aimer.

Shreya Pinto
FYBA

LE CYCLE D'APPRENDRE, DÉSAPPRENDRE, RÉAPPRENDRE: C'EST LE BESOIN DE L'HEURE

L'apprentissage est considéré comme une partie intégrale de nos vies, du berceau à la mort. Le seul aspect qui reste constant tout au long de la vie est le processus d'apprentissage. La société contemporaine se subit chaque jour aux transformations remarquables. Cette évolution s'accompagne d'altérations importantes de nos perceptions et de nos compréhensions. Nous vivons dans une communauté d'apprentissage en tant que des êtres sociaux. Ainsi, l'apprentissage se fait pour nous par le biais de connexions et d'expériences. Il existe certains modes d'apprentissage prédéterminés auxquels nous sommes tous obligés de souscrire. Plusieurs agences sont responsables d'encourager de telles méthodologies d'apprentissage qui ne sont pas seulement conventionnelles mais aussi inélastiques et immobiles. A l'ère moderne, le monde se diversifie.

Afin de rester dans un monde si révolutionnaire, nous avons besoin d'une mise à niveau rigoureuse. L'apprentissage n'est plus permanent, plutôt transitoire et volontaire. Aujourd'hui, les concepts de désapprentissage et de réapprentissage sont également tissés dans le tissu de l'acquisition de la connaissance. Désapprendre signifie essentiellement d'éliminer certains éléments d'information existants qui, dans le contexte actuel, semblent obsolètes et non pertinents. De même, le réapprentissage consiste à remplacer et à modifier des anciennes compétences par de nouvelles capacités d'adaptation. Alvin Toffler a dit: "Les analphabètes du 21e siècle ne seront pas ceux qui ne savent ni lire ni écrire, mais ceux qui ne savent pas apprendre, désapprendre et réapprendre." Ici, le désapprentissage joue un rôle central. Désapprendre permet de baser nos perceptions sur les notions de pragmatisme et de progressivité, et permet de poser cette question 'quoi, comment et pourquoi apprenons-nous?'. Cela nous aide à confronter nos propres idées préconçues et les préjugés, en laissant place à de nouvelles possibilités et à des perspectives plurielles. Depuis l'enfance, les enfants apprennent

que la couleur bleue et les voitures sont pour les garçons et la couleur rose et les poupées Barbie sont pour les filles. Cet exemple explique radicalement comment « la mode devient le message ». La famille, les médias, la société, etc. sont les sources principales d'apprentissage. L'Internet devient maintenant la salle de classe, la plus importante qui influence 'le comment et le quoi' nous apprenons. Désapprendre ces dogmes prédéterminés nous aide à affiner notre compréhension authentique, à développer des tangentes de pensée critiques et analytiques. Ainsi, si vous pensez que le ciel est rose, il est rose, puis il n'est pas bleu. Tout dépend de votre raisonnement et de votre rationalité. Ce processus d'apprentissage, de désapprentissage et de réapprentissage a été extrêmement pertinent pendant la pandémie de Covid19. Sa pertinence est tracée non seulement dans le domaine de l'éducation, mais dans de multiples disciplines.



Le domaine de l'éducation a été confronté à plusieurs répercussions fortes de la pandémie, en particulier le passage du mode d'apprentissage en présentiel au mode en ligne. C'est alors que nous avons compris que le besoin de changer, de s'adapter et de se réorganiser était non seulement urgent mais extrêmement nécessaire. Pendant des années, les étudiants ont été exposés à un programme structuré et à des méthodes d'évaluation fixes. Mais il n'y avait plus de salle de classe, pas de professeur physiquement devant les apprenants, pas de modèle d'examens, pas de socialisation et d'interaction. Tout a été progressivement remplacé par un espace virtuel, écran noir avec juste les noms des élèves et parfois

quelques visages. La transition a été difficile pour les professeurs ainsi que pour les élèves car la crise et la confusion sont restées des deux côtés du continuum. Désapprendre le seul moyen connu était très complexe. Ensuite il y avait une nouvelle lueur d'espoir. Nous avons développé une orientation créative en désapprenant des aspects qui étaient tout simplement inutiles. Le désapprentissage et le réapprentissage ne se produisent pas dans le vide, ils se produisent à travers un dialogue et un discours actif. Ainsi, l'art d'interroger et de questionner est extrêmement critique.

C'est là que le désapprentissage est devenu utile non seulement pour les étudiants mais aussi pour les enseignants. L'approche pédagogique traditionnelle transmissive qui prévalait depuis de nombreuses années a créé un environnement dans lequel les étudiants continuaient d'être des «consommateurs passifs de connaissance» plutôt que des «producteurs actifs de connaissance». Ce paradigme a changé dans les paramètres en ligne à mesure que le mécanisme du processus d'apprentissage a changé. Depuis lors, développer une opinion, analyser de manière critique des spectres divers, désapprendre des pratiques rigides sont devenus le mode avancé de la pédagogie. À une époque où faciliter l'éducation semblait être un objectif inaccessible, accepter le changement et réapprendre a motivé les établissements d'enseignement à réinitialiser sa fonctionnalité. Mais cette fois avec une approche pertinente, flexible et adoptable. La première étape du remodelage consistait à reconnaître les différences et la diversité des rythmes et des ressources. C'était le plus grand désapprentissage car on a maintenant favorisé et adopté l'exclusivité, quels que soient les nombreux défis de l'espace virtuel.

Shunryu Suzuki a déclaré : « Dans l'esprit d'un débutant, il y a beaucoup de possibilités, dans l'esprit d'un expert, il y en a peu ». Ainsi, désapprendre consiste à revenir à l'essentiel, à

échouer, et enfin à s'élever avec une vision globale. Il faut noter que 93% de la communication se fait de manière non verbale par les expressions de visage, les gestes, etc. ces signaux non verbaux ont établi un rapport enseignant-élève efficace, ce qui n'était pas possible devant un écran. L'interaction et la communication sont entravées de plus lorsqu'il y a eu un autre changement dans le processus d'apprentissage. Il était alors en ligne pour l'hybride qui n'a pas été facile à acclimater. Les enseignants ont dû restructurer encore leur approche. Le passage du tableau noir au zoom et à nouveau des ppts au tableau noir a été difficile de différentes manières,

mais l'acculturation aux changements est ce qui fait la différence. C'est après la pandémie que de nouvelles stratégies pédagogiques pour une expérience d'apprentissage durable et substantielle ont gagné de l'importance. L'assimilation de l'éducation formelle et informelle est maintenant considérée comme viable. Ce modèle donne l'opportunité aux élèves ainsi qu'aux enseignants d'explorer, d'innover et de découvrir par l'apprentissage, le désapprentissage et le réapprentissage. Développer les forces à partir des faiblesses, appliquer les connaissances et explorer diverses alternatives plutôt que rester centré sur le singulier est fondamental dans une société qui

s'évolue rapidement. Apprendre, désapprendre et réapprendre, c'est le besoin de l'heure. Si on ne comprend pas ce cycle, chaque fois on s'avance par un pas, on se reculera en arrière par trois pas. L'apprentissage n'est plus le produit de l'enseignement mais plutôt le produit de l'activité de l'apprenant. L'apprentissage n'est plus tout ce que nous pouvons gagner car l'apprentissage est partagé, subjectif et personnel à la fois. Dès lors, 'désapprendre et réapprendre' devient tellement important.

Khushi Garodia
FYBA

APPRENDRE UNE NOUVELLE COMPÉTENCE

Apprendre une nouvelle compétence est souvent une expérience extrêmement enrichissante. Si c'est quelque chose que vous aimez, vous remarquerez rapidement que vous vous améliorez, et cela peut vous donner un sens de confiance. Dans la plupart des cas, essayer quelque chose de nouveau consiste souvent à surmonter la peur. Il y a plusieurs manières d'appréhender l'action « d'apprendre ». On peut dire que l'apprentissage est « un changement de comportement relativement permanent en résultant de l'expérience ou de la pratique ». Si nous envisageons l'apprentissage à travers cette définition, la citation d'Alvin Toffler sur les alphabétisés étant ceux qui peuvent "apprendre, désapprendre et réapprendre" serait un excellent point de départ pour la discussion. Ma capacité d'apprendre me permettra non seulement de survivre, mais aussi de m'épanouir et d'accepter les autres dans ma vie et dans ma carrière.

Un individu n'apprend pas en lisant et en écrivant. On doit employer la connaissance qu'on a obtenue dans la vie quotidienne. Un lecteur qui lit un livre de la série Harry Potter pourrait être pareil à un autre qui lit une œuvre de Shakespeare, si les deux

ne faisaient rien de tout ce qu'ils ont obtenu pendant leur lecture. Nous devons appliquer tout ce que nous avons appris. Des améliorations sont constamment apportées à tous les aspects de la vie quotidienne... même si on dit que pour grandir, le passé doit être oublié, ce n'est pas vrai. La seule façon de faire un progrès efficace est de regarder le passé et d'en apprendre. La nature humaine est d'assimiler la connaissance et de l'utiliser. C'est le même pour les expériences. Pour développer une vision claire des événements, il faut tenir compte du passé et non pas l'oublier. C'est vrai, et on peut le voir tout au long de l'histoire.

Par exemple : dans le film ; English Vinglish, bien qu'elle soit une femme au foyer parfaite, Sridevi ne peut pas obtenir l'appréciation de sa famille. Mais lorsqu'elle a quitté sa zone de confort et a appris l'anglais, elle a trouvé une nouvelle identité et sa famille a commencé à la valoriser en tant qu'un individu- celui qui était son vrai soi. English Vinglish, pour moi, n'est pas seulement un film de retour de Sridevi. C'est le triomphe de la persévérance d'une femme pour gagner la confiance et pour sauver l'estime de soi. Shashi va aux États-Unis pour assister à

un mariage en famille. Constamment humiliée par sa famille pour ne pouvoir pas parler en anglais, elle trouve et saisit l'opportunité d'apprendre la langue. A la fin du film elle a une bonne raison de le laisser passer car elle a une tâche plus importante à accomplir. Mais elle veut tellement le faire qu'elle ne se contente pas de s'y inscrire, mais elle l'accomplit. Étant donné que ce film parle de quelqu'un qui apprend l'anglais, en tant que formateur linguistique, j'y trouve de précieuses leçons pour tous ceux qui veulent maîtriser la langue. Une chose que je voudrais inclure dans ma liste est la passion. Ce que Shashi a en abondance. Je pense que peu importe la compétence ou le métier que vous voulez maîtriser, 'vouloir le faire parfaitement' c'est le premier trait que l'on doit avoir. Si cela ne vous motive pas suffisamment ou ne signifie pas grand-chose pour vous, vous ne le poursuivrez pas jusqu'à la fin. Donc, même avant de commencer à chercher comment développer une compétence, vous devriez vous arrêter une minute et explorer la conviction de le faire.

Sanika Chindarkar
SYBA

L'EXPÉRIENCE D'APPRENTISSAGE

L'expérience d'apprentissage a totalement changé en raison de la pandémie, où au lieu d'une classe pleine d'étudiants, il y avait une salle vide avec un écran noir devant nous. Les enseignants au lieu de dire silence disaient pour la première fois 'parlez s'il vous plaît'. Au lieu de discuter avec des amis et des conversations en face à face, il y a une communication en ligne ou via WhatsApp. Le zoom est devenu essentiel, presque comme une bouée de sauvetage. La technologie est devenue importante pour naviguer dans cette situation. Personne ne pensait que cette situation arriverait dans la vie, donc

c'était difficile de s'habituer à cette nouvelle normalité et mener cette vie qui était tout à fait différente. Nous avons dû apprendre et réapprendre à nous y adapter, à se focaliser pendant les cours en ligne, à comprendre ce qui était enseigné et à nous habituer au travail à domicile. Au début, le système en ligne semblait différent et plutôt difficile. Il n'avait aucun contact avec nos professeurs ou nos amis. C'était comme si nous devions désapprendre les modèles d'apprentissage que nous avons adoptés dès notre enfance, et apprendre dans un environnement et avec une stimulation qui sont

totalement nouveaux. La pandémie a changé notre perspective de la vie et nous a donné un sens de l'importance vis-à-vis des petites choses dans la vie.



Nikita Monis
SYBA

LES RESTRICTIONS

"Quelquefois, on doit désapprendre pour apprendre" - L'anonyme

Si vous n'avez pas rencontré les situations dans lesquelles vous avez dû repenser et remettre en question ce que vous saviez déjà, peut-être vous n'avez pas vécu une véritable vie. Pensez-vous que "prendre un appel rationnel" vous amènerait dans un endroit sans regrets?

Certains événements nous font penser si ce que nous savions est-il "juste"? La pandémie nous a touché de manières différentes : positivement ou négativement. Cela a changé notre façon de percevoir les choses en général. Cela nous a donné l'occasion de désapprendre et, par conséquent, de réapprendre. Pour moi, la pandémie,

m'a fait prendre conscience de l'imprévisibilité de la vie. La vie est en effet trop courte pour continuer à vivre avec un état d'esprit restrictif ou figé. À mon avis, on doit avoir un état d'esprit flexible dans la vie; on doit apprendre à s'adapter facilement aux changements.

Cela pourrait être aussi simple que de remettre en question la croyance auto-restrictive d'inadéquation ou pourrait également être un traumatisme générationnel. En parlant d'inadéquation, nous ne voulons pas poursuivre les choses à cause d'un état d'esprit limitant. Cela ne veut pas dire que vous réussirez dans tout ce que vous essayez. Le fait est que vous avez choisi de briser le schéma et de

prendre votre pouvoir, et c'est ce qui compte réellement.

Les réseaux sociaux jouent un rôle essentiel dans notre vie quotidienne. Ils nous consomment essentiellement et nous influencent par plusieurs idéologies et croyances. Nous sommes tous coupables de suivre la mentalité de troupeau. Se libérer de ces croyances « populaires » et établir les croyances uniques sera peut-être utile.

Se concentrer sur nos désirs uniques et pratiquer la pleine conscience peuvent nous aider à avoir une meilleure vision des choses qui comptent!

Riya Gawde
SYBA

TECHNIQUES D'APPRENTISSAGE DES LANGUES

Tout le monde, à un moment donné dans la vie, souhaite apprendre une nouvelle langue. C'est peut-être parce que l'une de nos vedettes préférées la parle, ou nous aimons cette langue, ou cette langue ajoute de la valeur à notre CV ou nous aide à rencontrer de nouvelles personnes, etc. Pour moi, c'était le français, une langue parlée dans plusieurs pays du monde. C'est le mieux quand nous apprenons une nouvelle langue auprès d'un enseignant, mais en raison de certains engagements professionnels et du travail à la maison, nous trouvons difficile d'y consacrer quelques heures dans une journée.



Voici quelques conseils qui peuvent être utiles pour apprendre une nouvelle langue dont vous êtes passionnés!

- 1) Applications 'Apps' pour apprendre
D'abord, si votre objectif n'est pas clair et si vous voulez essayer de goûter la langue avant de s'y immerger, les applications vous donnent un excellent point de départ. Nous connaissons tous Duolingo, mais il y a beaucoup d'autres applications comme Mindsnacks, fluentU, Anki, Brainscape, Lingvist, et Memrise. En les utilisant, vous pouvez comprendre si vous voulez étudier la langue plus profondément.
- 2) Podcasts
Spotify devient de plus en plus connu en Inde. Il y a beaucoup de podcasts disponibles pour chaque langue. Quand j'étudiais le français, j'écoutais du blabla français, coffee break français, frenchpod101. L'un des avantages des podcasts est qu'on peut les écouter en faisant n'importe quoi. Vous pouvez le dévorer pendant le trajet ou les tâches ménagères. C'est une excellente façon de profiter de votre temps. Mais nous devons développer une habitude. Les podcasts offrent une opportunité pour pratiquer des compétences d'écoute et comprendre les accents différents. De nombreux podcasts font aussi en sorte de parler de la culture et d'autres aspects du pays. En plus, écouter de nombreux podcasts avec des transcriptions peut également vous donner accès à la pratique de l'orthographe et de la grammaire.
- 3) Définir des objectifs
Lorsque vous commencez à apprendre la langue, essayez de définir vos objectifs. Ces objectifs ne devraient pas être illogiques, comme finir d'apprendre le français en 6 mois, mais plutôt des objectifs pratiques, par exemple j'écouterai le podcast français tous les jours cette semaine pendant 30 minutes. Une fois atteints, ces objectifs nous aident à rester motivés et concentrés. Votre objectif doit être S.M.A.R.T (Spécifique, Mesurable, Atteignable, Relatif et Limité dans le temps).
- 4) Décomposer votre affaire
Divisez votre contenu en petites parties afin qu'il vous soit plus facile à étudier et à atteindre le niveau. Apprendre 20 nouveaux mots par jour sera mieux que faire 100 mots chaque dimanche. Je vous conseille également à garder un petit carnet pour prendre des notes dès que possible. Les "post-it" peuvent être collés sur votre bureau d'étude pour que vous puissiez parcourir les mots fréquemment utilisés.
- 5) Devenir meilleur ami avec un dictionnaire
Assurez-vous d'avoir toujours un dictionnaire portable car si vous tombez sur un mot inconnu en écoutant le podcast, vous trouverez rapidement le sens.
- 6) Les films et la musique
On peut utiliser Google, mais Google ne donne pas toujours le contexte et le vrai sens. Vous pouvez également consulter le dictionnaire pendant votre temps libre. Il faut feuilleter ses pages. Cela vous aidera à enrichir votre vocabulaire.
Je me souviens de notre professeur qui nous montrait des films et faisait écouter des chansons en français comme Papotai, Ratatouille, Jean Petit, Qui danse, et Paris je t'aime pour mieux comprendre la culture et la langue française. Votre mémoire, votre concentration et votre capacité de se focaliser seront améliorées par la stimulation musicale de l'activité cérébrale. Écouter de la musique améliora la compréhension, la prononciation et le vocabulaire. De plus, vous aurez accès à beaucoup d'argot, de dialectes régionaux, d'idiomes et de variantes.
- 7) Parler à un locuteur natif
L'un des moyens les plus efficaces d'apprendre une nouvelle langue est de la parler avec un locuteur natif. Cela peut être intimidant au début, mais vous aidera rapidement à améliorer vos compétences linguistiques. Vous pouvez vous connecter avec eux sur Instagram ou sur n'importe quel site de réseau social.
- 8) Révision par vous-même
Regarder des vidéos sur YouTube est l'un des meilleurs moyens d'apprendre la langue gratuitement de nos jours. J'ai toujours regardé 'apprendre le français avec Alexa', car elle rendait très facile pour les non-francophones, l'apprentissage du français, dès le début. On peut aussi essayer de lire des articles ou des journaux. Grâce à l'Internet, on peut trouver beaucoup de bons articles, de nouvelles, de blogs, de témoignages et des dialogues en ligne.

9) Pratique

La répétition et la pratique vous aideront à conserver un maximum d'informations. Lorsque vous apprenez quelque chose, assurez-vous de la réviser pendant des périodes régulières, ce qui vous aidera à vous rappeler l'information. Ainsi, vous pouvez investir peu de temps et apprendre beaucoup plus. Vous pouvez également utiliser des mnémoniques et d'autres techniques de mémorisation.

10) Penser en langue étrangère

Commencez à penser dans la langue cible dès le début. Cela semble difficile, mais une fois que vous le faites, il devient vraiment facile de formuler des phrases et de commencer à parler. Lorsque vous ne savez pas comment un mot particulier est appelé dans la langue ciblée, vous pouvez rapidement le rechercher et vous en souviendrez la prochaine fois.

Enfin, le plus important, c'est de prendre le temps de votre journée chargée pour apprendre une langue, et de prendre tous les efforts nécessaires. C'est un processus qui se continue. Suivez ces consignes et cela vous aidera à choisir la langue que vous avez toujours voulu apprendre!

Bonne chance! Heureux apprentissage!

Rachel Fernandes
SYBA

VEUILLEZ VÉRIFIER VOTRE MÉL!

de: MaitreyiArwari<maitreyi.arwari@xaviers.edu.in>

A: MaitreyiArwari<maitreyi.arwari@xaviers.edu.in>

Date: mercredi, le 29 juillet 2020, 16 h

Objet: Un email dans le passé (à moi-même?)

Chère Maitreyi,

Salut!

Je te suis dans l'avenir et je suis toi (Maitreyi). Nous sommes en 2022, deux années en avance de l'actualité.

Tu aurais commencé ton université en ligne. Je me souviens d'être triste de ne pas pouvoir aller à l'université et de ne pas assister au cours en présentiel. Mais maintenant, je vais enfin à l'université. Il y a beaucoup de personnes ici donc, on ne se sent jamais seul. Les salles de classe sont très grandes, remplies du monde. On peut faire attention aux cours quand on y assiste avec les amis. On n'a plus besoin d'allumer la caméra pour que le professeur nous voie. On peut lever la main pas en cliquant sur un bouton. Le professeur peut vous entendre sans être inquiet de

la connexion internet. Je sais que tu es déçue d'être assise chez toi au lieu d'aller à l'université. Mais aie de l'espoir et de la patience! Après deux années, cela ira mieux. Tu iras à l'université chaque jour et tu t'amuseras bien.

Dans l'attente d'un sourire comme réponse :)

Toi-même,

Maitreyi

Maitreyi Arwari
SYBA

DES HISTOIRES DE SURVIE

Je la vois venir. D'où je me tiens, dixième dans la longue file de personnes, je la vois arrêter à côté de chaque personne et puis passer à une autre.

Alors quand je sens deux coups précipités contre ma jambe et une main noire tendue, je tressaille et tourne dans une autre direction.

«Ces enfants gâtés! Pourquoi a-t-elle dû toucher ma main?» La femme devant moi, essuie plusieurs fois sa main avec son mouchoir.

Je regarde la fille qui s'approche de chaque personne puis part, découragée. Elle s'approche d'un enfant tout nu et le prend dans ses bras. Elle lui donne à manger des morceaux d'une banane pourrie puis s'assoie par terre dans la rue, elle s'endort.

Je porte cette image à la maison avec moi.

Je la porte avec moi dans le train, dans les taxis, dans la pluie scintillante sur les vitres et à travers des immeubles en papier. Mais chaque personne que je vois, ressemble maintenant à un visage monotone.

Qu'est-ce qu'ils ont perdu lorsque le monde s'est éteint pendant la pandémie?

Qu'est-ce qu'ils ont vécu pour devenir ce qu'ils sont aujourd'hui?

Et pourtant, ils sont là, ramassant les morceaux brisés en s'avancant dans le temps.

C'est beaucoup plus qu'un simple visage maintenant.

Chaque personne que je vois a une histoire, celle de survie!

Amruta Doke
FYBA

LES EXAMENS EN PRÉSENTIEL: UNE CAUCHEMAR OU PLUTÔT AUBAINE?

Les examens du quatrième semestre ont eu lieu à l'université, en présentiel. Suite à cette annonce, les étudiants étaient indignés. Tous les cours du semestre étaient en ligne; c'était injuste pour mener les examens en présentiel, faire venir des étudiants qui ne sont pas de Mumbai, comme ceux de Kerala, juste pour les examens. Tout le monde avait perdu l'habitude d'écrire des réponses longues pour les épreuves subjectives. Pour moi, je m'inquiétais également. Les questions à

choix multiples sont un peu faciles et fournissent les meilleurs résultats.

Ceci dit, j'ai énormément aimé ces examens en présentiel. C'était ma première expérience à l'université – malheureusement, les deux dernières années avaient été complètement en ligne. L'atmosphère était tendue avec l'anxiété, l'anticipation, l'espoir et la joie, simplement des réunions amicales. Il y avait beaucoup de lingo utilisé, des étudiants souriaient anxieusement et se souhaitaient «Bonne chance!».

Les examens se sont bien passés, y compris les questions à choix multiples. Quand je n'ai pas gagné de bonnes notes à un examen, les plats différents de la cafétéria m'ont calmé. Si, Dieu m'écoute, ce changement de mode en ligne ne peut jamais remplacer celui en présentiel, simplement parce que, parfois l'interaction humaine est le meilleur des résultats.

Janani Krishnamurthy
SYBA

LES COURS EN LIGNE POUR APPRENDRE UNE LANGUE ÉTRANGÈRE

Quand nous pensons à apprendre une nouvelle langue, nous nous inscrivons toujours dans des cours en présentiel, parce que pour nous, c'est plus facile d'apprendre quelque chose dans une salle avec beaucoup de monde. Mais tout cela était changé par la pandémie, et donc, les instituts des langues étrangères ont dû changer leur façon d'enseignement.

À cause de la pandémie, les instituts devaient transformer leurs cours en présentiel aux cours en ligne. Le changement n'était pas facile. Des problèmes d'Internet, à la capacité d'attention faible des élèves, la qualité de ces cours a vachement réduit. De plus, les cours en ligne ont affecté la compréhension de la prononciation des

mots. On n'arrivait pas à suivre tout ce que le prof disait, et donc, cela a affecté notre apprentissage.

Il y avait aussi le problème de parler et d'écrire; dans les cours en présentiel, les profs pouvaient facilement encourager les élèves de parler dans la langue étrangère et d'écrire seulement dans cette langue. Ils pouvaient aussi les aider et les guider quand ils en avaient besoin. Mais, les cours en ligne ne le permettraient pas.

Mais, d'autre part, les cours des langues étrangères en ligne ont aussi du succès. Grâce à l'accès à l'Internet, les profs pouvaient facilement montrer des vidéos, des jeux et des exercices de grammaire en ligne, qui attiraient

l'attention des élèves. Parfois, ils diffusaient également des vidéos de musique, qui rendaient le cours plus intéressant. Les élèves pouvaient aussi utiliser facilement le dictionnaire en ligne pour chercher des mots et des phrases.

D'après moi, les cours en ligne ne sont pas vraiment la bonne méthode d'apprendre une nouvelle langue. Mais, cela dépend des apprenants; quelques personnes préfèrent les cours en ligne, mais les autres préfèrent les cours en présentiel. Beaucoup d'instituts offrent maintenant le choix de choisir entre ces deux types de cours, qui est, à mon avis, la meilleure solution.

Aaliyah Correa
FYBA

FAÇONNER NOTRE ESPRIT : ÊTRE MULTILINGUE = ÊTRE SUPER HUMAIN?

Ces derniers temps, l'apprentissage d'une langue étrangère est en pleine sorte, alors que les pays se mondialisent de plus en plus et que maintenant le bilinguisme est peut-être la compétence la plus utile dans le monde. Étudier une langue est simplement un moyen de communiquer et de se connecter avec les autres, c'est une compétence de vie qui ne peut aider que lorsque nous interagissons avec les autres. Une fois que nous maîtrisons une langue, nous pouvons comprendre ce que l'autre essaie de transmettre, ce qui peut-être extrêmement utile lors de la visite des pays étrangers. Nous pouvons nous rappeler le vocabulaire, la grammaire et beaucoup plus pour se connecter avec les autres. Apprendre une autre langue ouvre un monde plein d'opportunités d'emploi. Aujourd'hui, avec la mondialisation, toutes les entreprises font des voyages d'affaires partout dans le monde, mais ils ne peuvent pas le faire sans embaucher des gens qui ont une bonne compréhension d'une langue étrangère, qui agissent en même temps comme un atout pour leur entreprise. De nos jours, les entreprises locales sont également à la recherche des candidats qui sont bilingues, sachant que ces candidats puissent se démarquer des autres.

Apprendre une langue n'est pas obligatoirement pour obtenir le meilleur emploi ou un salaire élevé ou pour ajouter de la valeur au CV, mais cela peut également améliorer notre personnalité en nous ouvrant vers une autre culture. L'étude d'une langue étrangère a de nombreux avantages, notamment, en apprenant une nouvelle langue on peut augmenter les capacités cognitives. Selon quelques études scientifiques, les multilingues

ont la mémoire d'un éléphant, sont créatifs et font face de n'importe quel problème. À mesure que nous devenons bilingues, nous développons la capacité de multitasking, ce qui est hyper important, dans le monde professionnel d'aujourd'hui. Des recherches prouvent que les bilingues sont plus adeptes au multitasking que leurs homologues monolingues. La langue étrangère est une éducation libérale très élémentaire, apprendre une langue étrangère nous plonge dans une culture et une vision du monde totalement nouvelles et c'est l'une des façons les plus sûres d'avoir un esprit ouvert. Voir le monde sous un angle différent et comprendre d'où nous sommes tous venus c'est une expérience fantastique.

Apprendre une langue étrangère vous aide à mieux comprendre votre propre langue et la mixité des cultures. Vous devenez conscients non seulement de vos propres tenues culturelles, mais aussi de la grammaire, du vocabulaire et de la prononciation de votre langue maternelle. Apprendre une langue ne peut jamais être facile, mais elle peut certainement être agréable et ludique, si vous y mettez votre passion. L'apprentissage d'une langue dans un mode en ligne peut parfois être démotivant pour un débutant. Néanmoins, il existe de différentes façons d'apprendre une langue tout en gardant le mode virtuel à l'esprit, mais en même temps profitez de ce que vous apprenez cela peut aider à atténuer les difficultés auxquelles vous faites face. Vous pouvez découvrir de nouvelles méthodes simples!

Voici quelques façons de mettre en œuvre de nouvelles méthodes immédiatement : -

Changez la langue de tous vos appareils électroniques en la langue que vous aimeriez apprendre, que ce soit votre téléphone, votre ordinateur ou votre télévision.

- Regardez des documentaires, des films ou apprenez à cuisiner à partir de recettes étrangères ou écoutez de la musique et des podcasts dans la langue dont vous avez envie d'apprendre.
- Une autre façon d'apprendre une nouvelle langue serait à télécharger des applications qui peuvent vous aider à améliorer vos compétences linguistiques, les applications qui rendent l'apprentissage agréable et fun.
- Étudier une langue tous les jours pendant une heure, cela peut également aider avec le lexique et la grammaire et n'importe qui peut le faire en appliquant la règle des 100 heures.

Commencez à apprendre une nouvelle langue en étudiant les 100 mots les plus communs et réemployez ces mots pour faire de nouvelles phrases. Rappelez-vous de votre but, car elle vous permettra de rester concentré sur votre cible. Enfin, l'apprentissage d'une nouvelle langue est difficile, pourtant vous devez vous y mettre pour réussir.

«Aucune compétence ne peut-être acquise sans pratique.»

Allez-y, au travail!

Oneisha Souza
SYBA

LE CHANGEMENT EST LA SEULE CONSTANTE

“Le changement est la seule constante” est peut-être la seule citation qui est restée inchangée au fil des années, en particulier pendant le Covid. Qu'il s'agisse de se réveiller avec des nouvelles imprévues ou de vivre des expériences similaires, la pandémie a ouvert de nombreux nouveaux chapitres dans l'école de la vie. Pour moi, c'était de naviguer à travers l'art!

Lorsque nous donnons un sens aux sons qui nous entourent, ils deviennent de la musique. La pandémie et les confinements ont entraîné de nombreux silences et je n'étais pas prêt pour cela. En tant que des enfants, on nous apprend à parler avec nos amis et nos aînés, mais on ne nous apprend pas à parler avec nous-mêmes. On nous apprend toujours les manières et les étiquettes que nous suivons pour transmettre notre affection et notre respect aux personnes qui nous entourent, mais on ne nous apprend jamais comment les suivre lorsque nous parlons avec nous-mêmes.

La pandémie a fait nous taire pour que nous puissions entendre notre propre voix. Étant un grand fan de musique classique hindoustani, c'était mon rêve d'inclure la musique dans ma vie. La pandémie m'a donné l'occasion d'explorer l'inexploré sur ma liste. Je ne savais pas à quel point cette forme d'art allait me façonner! Et depuis que j'ai embrassé mon instrument gracieux de quatre pieds de longueur - le Sitar!

Je pense que la beauté de la vie est qu'aucun rêve n'est éternel et qu'aucun réveil n'est ultime. La morosité et la monotonie de la pandémie m'avaient rendu très inquiet pour moi-même, mon avenir. Je prenais le Sitar quand je pensais que je n'avais pas le courage de commencer quoi que ce soit de nouveau à zéro. Mon instrument m'a mis au défi de briser cette barrière et de rester fort. Après tout, je n'avais pas l'habitude d'être « pauvre » ou « mauvaise » dans tout ce qui entourait ma vie.

Quand j'étais obsédé par le fait que tout doit être parfait et correct, mon Sitar m'a appris qu'il était normal de faire des erreurs. Parce que quand je dis « je joue du sitar », ce n'est pas le sitar qui s'accorde à mon humeur et à mes capacités, mais plutôt moi qui m'accorde à ses humeurs avec mes capacités. Nous cherchons à contrôler les choses non pas parce que nous aimons être puissants, mais parce que nous craignons d'avoir « peur ». Je ne voulais pas m'asseoir avec moi-même quand j'avais peur de quelque chose. Je n'ai jamais su ce que ça fait d'avoir une conversation avec moi-même sur des carrefours si difficiles de la vie.

Et le sitar l'a rendu tellement facile! Mon art est devenu le lieu où je pouvais être très honnête sur mes limites sans aucune crainte. Après tout, j'étais et je suis toujours un débutant! De toutes les réalisations que j'ai eues pendant la pandémie, jouer un morceau sur Sitar a

été ma plus grande paix. Non pas parce qu'il avait une grande qualité tonale mais parce que j'ai pu organiser chacun de mes obstacles, avec moi-même! Le changement est la seule constante, c'est dans ces moments que je me suis senti humilié par la simplicité de la vie. Mon Sitar est devenu mon ami le plus proche dans des situations où je ne voulais pas rester seule. Mes séances de riyaz de base m'ont rendue plus cohérente, plus patiente, plus curieuse! Cela m'a appris à regarder mes erreurs sans me punir.

Avec les cours universitaires en présentiel et de nombreuses autres transitions invisibles à venir, je suis reconnaissante à la pandémie de m'avoir obligé à me regarder sans miroir. Mon sitar, que j'apprends encore, fait désormais partie intégrale de ma journée. Je me sens coupable quand je rate mon entraînement! Même lors de mes journées les plus chargées, je sais que peu importe à quel point je suis fatigué, je rentrerai chez moi et j'accorderai mon sitar parce que c'est ça ma passion!

Je prie pour que le monde s'adapte au « nouveau » comme il l'a fait à la « normale ». Et pendant ces phases intermédiaires, je sais que mon art m'a appris à communiquer avec la seule personne qui peut être le changement dans ma vie, c'est moi-même!

Janhavi Deshpande
FYBA

Réponses :

1. La Gaule
2. Emmanuel Macron
3. La littérature, Jean Paul Sartre
4. Toulouse
5. Le 14 juillet, la Marseillaise
6. Le franc
7. La Tour Eiffel
8. Le coq gaulois
9. Le musée du Louvre
10. La baguette

Les réponses

Verticalement	Horizontalement
1. contribuer	2. exceptionnel
2. exigeant	4. information
3. financer	6. exprimer
5. quotidien	8. seulement
7. personne	13. extraordinaire
9. distribution	16. voleur
10. intelligence	18. commerce
11. feuilleton	19. Professeur
12. influencer	
14. argumenter	
15. alimentaire	
17. bonheur	

UNE NUIT D'AMOUR

Apprendre à désapprendre,
Comment aimer de la bonne manière,
Avec cœur et esprit
Et corps et âme.
Vivre avec Dieu
Et priez instantanément,
Lutter à travers
La dureté des temps modernes.

Le "Royaume des Cieux"
N'est pas seulement un lieu,
Et pas seulement un état d'esprit
Comme tu es gentil de m'y accompagner
Et gentil de ta part de montrer que tu t'en soucies.

Si l'on regarde au-delà de l'horizon,
Du corps, de la richesse et de la mondanité,
On trouverait dans la subtilité,
Des joies durables dans un océan de bonheur.

De joies subtiles au-delà des mots décrits,
De tartes aux pommes et de vins mousseux prescrits.

Des rendez-vous tard dans la nuit,
Café, Chats,
Films et erreurs passées.
Puis tout d'un coup s'endormir,
De l'océan du doute,
A racheter.

Peut-être que c'était la tête chauve brillante,
Ou peut-être ses mots honnêtes à la place,
De Joseph conduisant Marie,
En toute sécurité,
A dos d'âne.

Puis du trône de Dieu Il descendit,
À emporter
La honte et le blâme.
Et nous avons contemplé son beau et glorieux visage,
Et aspirait à une bonne étreinte serrée.

Comme Joie et rire,
Dans la foi abonde,
Beauté et Amour,
Elle entoure.

Et puis elle a dansé toute la nuit,
Aux tambours battants qui la faisaient osciller,
Alors qu'elle s'accrochait à Souvenirs,
De celui qui l'a aidée,
Libérez-la.

Ruth Hannah Perreira
SYBA

LA CRITIQUE D'UN FILM : STUCK TOGETHER

Vous êtes plutôt cinéophile ou un grand cinéphile? Avez-vous une inscription Netflix et un peu de temps libre? Si oui, je vous recommande fortement les films français, plus particulièrement, «8, Rue de l'Humanité (Stuck Together)». Je vous présente une critique ci-dessus pour vous aider à faire votre choix!



Ce film de genre comédie, sorti en 2021 est réalisé par Dany Boon, qui est aussi l'un des personnages principaux. C'est une histoire des personnes qui vivent dans le même immeuble, sur 8, Rue de l'Humanité. Ils sont des voisins, mais se comportent comme des ennemis. En plus, c'est un film basé dans le confinement quand personne ne peut sortir de l'immeuble. L'histoire se concentre sur la vie d'une famille qui essaie de s'adapter à un nouveau mode de vie pendant la pandémie. Pourtant, ce n'est pas seulement un récit familial, mais celui des voisins, et comment ils s'aident à surmonter leurs peurs et leurs difficultés.

Les disputes des couples est un thème principal, qui souligne les enfers auxquels ils ont fait face pendant la période difficile. Ce film nous montre les deux côtés du problème, et aussi comment, à la fin, tout peut être résolu amicalement. Cela aborde le problème fondamental à propos des femmes et leur place dans la famille. Le film détruit la stéréotype «femmes de foyer, reléguées à la cuisine» quand dans le film, la femme du concierge attrape la Covid. Ces idées questionnent aussi la virilité parmi des maris égoïstes. La relation entre le couple est très bien explorée, en nous donnant un point de vue hors de commun. Le message véhiculé par le réalisateur c'est que, faire des erreurs n'est pas la fin du monde, il faut les accepter en demandant pardon de l'autre personne. La meilleure solution de n'importe quel problème est une bonne communication avec les proches! Le film nous apprend à avoir un esprit ouvert et à nous mettre à la place des autres. Pour ajouter, c'est une histoire pour tous les âges. Les personnages vous font rire tout au long du film; un médecin qui fait tout pour trouver le vaccin, une patronne de bistrot déprimée, un hypocondriaque, un coach sportif et sa femme enceinte, un homme d'affaires arrogant, et enfin une infirmière courageuse. Je suis sûr

que ce mélange de personnes diverses va inciter votre curiosité!

Malgré toutes les différences, les habitants restent unis car ils sont avant tout, HUMAINS. Les dialogues font pleurer parfois, la musique ajoute énormément à l'expérience. Grâce aux acteurs exceptionnels, c'est une pléthore d'émotions: joie, tristesse, peur, angoisse, sérénité, malheur et ainsi de suite.

Enfin, la chose la plus importante qui contribue à l'individualité du film est le fait que c'est réaliste. Tout le monde peut s'identifier facilement au récit parce qu'on a tous traversé cette période difficile, avec la famille, les proches et bien sûr, les voisins. Il est nécessaire qu'on soit ensemble, qu'on reste solidaire dans de bons ou mauvais moments. Le message central c'est ce qui exprime le titre: n'oublier jamais l'Humanité, car avant tout, **nous sommes tous HUMAINS!**

Donc, la prochaine fois que vous ouvrez Netflix, ce sera pour regarder 'Stuck Together', n'est-ce pas? Amusez-vous bien!;

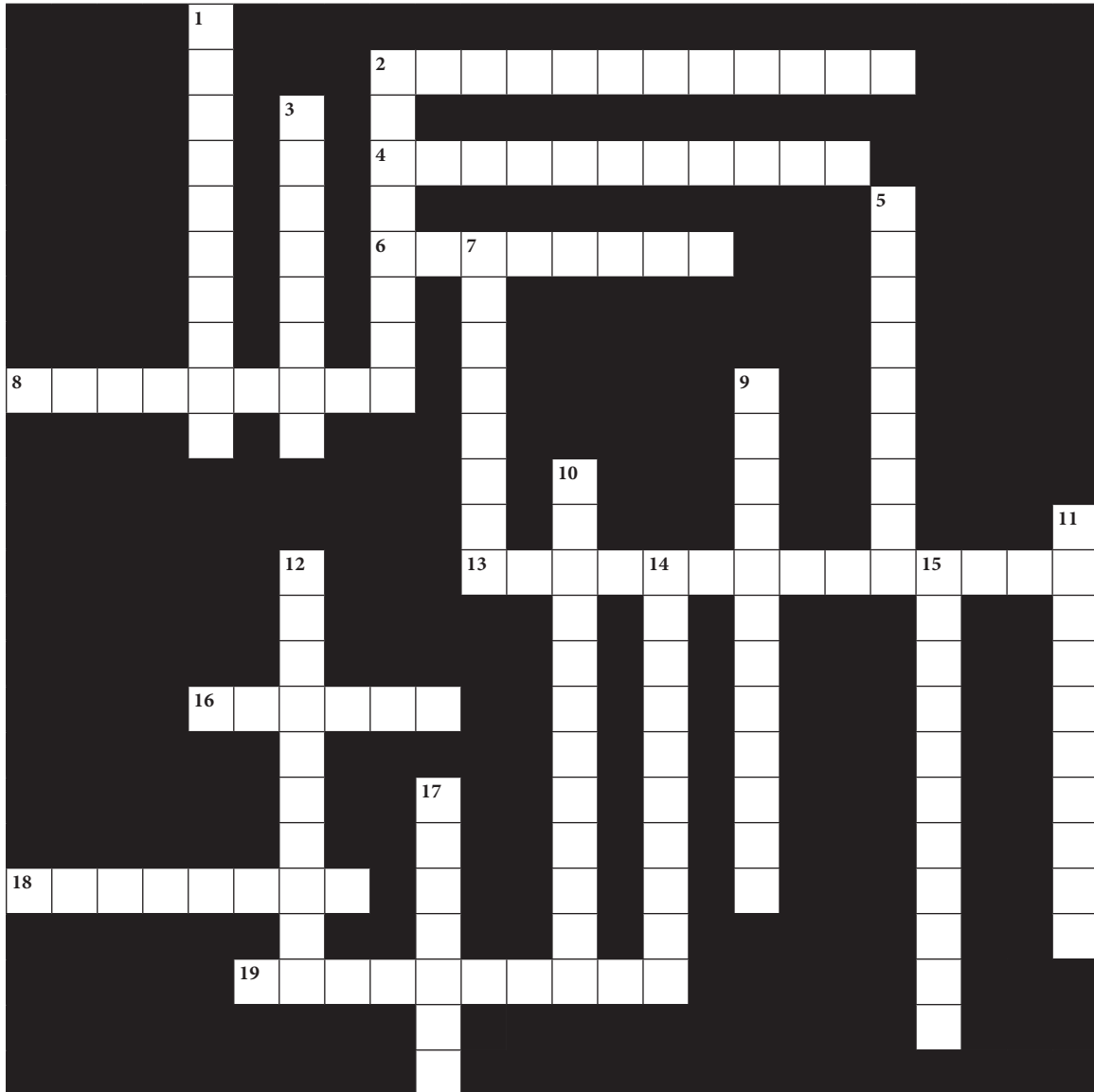
Arnav Joshi
FYBA

QUIZ SUR LA FRANCE

- 1) Quel est le nom ancien de la France?
- 2) Qui est le plus jeune président de la France?
- 3) Dans quel domaine la France a le plus grand nombre de lauréats du Prix Nobel? Quel écrivain n'a pas accepté le Prix Nobel?
- 4) Quelle ville française s'appelle "La Ville Rose"?
- 5) C'est quand la fête nationale française? Comment s'appelle l'hymne national français?
- 6) Quelle était la monnaie de la France avant l'euro?
- 7) Quel est le monument le plus haut en France?
- 8) Quel est le symbole national de la France?
- 9) Où est-ce qu'on trouve le célèbre tableau de Mona Lisa?
- 10) Quel est l'aliment de base des Français?

Arnav Joshi
FYBA

MOTS CROISÉS



Verticalement:	Horizontalement
1. aider/donner quelque chose	2. excellent, merveilleux
2. stricte, beaucoup de règles	4. renseignement
3. lié avec le monnaie	6. mettre à nu
5. les choses que l'on fait chaque jour	8. ne.....que
7. contraire de tout le monde	13. pas ordinaire
9. partager avec les autres	16. quelqu'un qui vole des choses
10. lié aux activités du cerveau	18. important pour l'économie d'un pays
11. un type de drame	19. les piliers dans les écoles
12. avoir un impact sur	
14. disputer	
15. lié avec la nourriture	
17. joie	

जब बोलो अनुसंधान की...

जय जवान, जय किसान के संग
अब, बोलो - जय विज्ञान की।
विज्ञानी की जय बोलो,
जय बोलो अनुसंधान की ॥
'मेधातिथि' ने 'अंक' सिखाये,
'योग' दिया 'पतंजलि' ने।
'शालिहोत्र' ने 'पशु चिकित्सा',
'कणवाद' दिया 'कणाद' ने,
'जीवक' थे महान् 'चिकित्सक',
'सुश्रुत' थे 'शल्यक' महान्।
'चरक-संहिता' जानी-पहचानी,
'आर्यभट्ट' 'गणितज्ञ' महान् ॥
जय-जवान, जय-किसान के संग
अब बोलो - जय विज्ञान की।
विज्ञान की जय बोलो,
बोलो - जय अनुसंधान की ॥
'कृषि विज्ञानी' 'खन' को जानो,
'वाग्भट्ट' के 'चिकित्सा-ज्ञान' को।
'ब्रह्मगुप्त' के 'बीजगणित' को,
'वराहमिहिर' महान् को ॥
'माधवकर' 'चिकित्सा-ज्ञानी' को,
चरक-अनुगामी 'द्रुधबल' को।
'नागार्जुन' के 'रसायनशास्त्र' को,
जानो 'वृन्द' महान् को ॥
'भास्कर' के 'गणित' को जानो,
'भोज' के 'जलपोत' को।
'भावमिश्र' की 'चिकित्साविधि' को,
'जहाँगीर' के 'खगोल' को ॥
जय जवान, जय किसान के संग
अब, बोलो-विज्ञान की।
विज्ञानी की जय बोलो,
जय बोलो अनुसंधान की ॥
'जयसिंह' के 'खगोल' को जानो
और 'पठाणी सामंत' को।
'इंजीनियर' सर 'गंगाराम' को,
'जगदीश बोस' महान् को ॥
जानो 'प्रफुल्ल' 'रसायनशास्त्री' को,
'विश्वेसरैया' 'इंजीनियर' को।
'गणेशप्रसाद' के 'गणित' ज्ञान को,
'वाडिया' के 'भू-ज्ञान' को ॥
'रामानुजन' के 'गणित' को जानो,
'वैकटरमण' के 'भौतिक ज्ञान' को।

'बीरबल साहनी' 'पुरातत्वी' को,
'मेघनाद साहा' के ज्ञान को॥
'सत्येन्द्रनाथ बोस' को जानो,
'भाभा' के 'अणु-ज्ञान' को।
'भटनागर' के चुंबकीय रसायन को,
'विक्रमसारा' के अंतरिक्ष ज्ञान को ॥
'हरगोविंद' की 'आनुवांशिकी' को,
'अयोध्यानाथ' के 'सिंचाई-ज्ञान' को।
'महालानोबिस' की 'सांख्यिकी' को जानो,
'सालिम अली' के पक्षी-ज्ञान को ॥
'पंचानन' के 'फूल-पौधों' को,
'कोठारी' के 'अंतरिक्ष-ज्ञान' को।
'आत्माराम' के 'रंगीन-काँच' को,
'चंद्रशेखर' के 'खगोल-विज्ञान' को ॥
'राधाकृष्ण' की 'सांख्यिकी' को जानो,
'रमन्ना-सेठना' की 'परमाणु-ऊर्जा' को ॥
'माशेलकर' के 'रसायनशास्त्र' को,
'वेणु बप्पू' की 'दूरबीन' को,
'अब्दुलकलाम' की 'मिसाइल' को समझो,
'जयंत' के 'खगोल' को।
'हिंदुजा इंदिरा' के 'भ्रूणविज्ञान' को,
भारत के इतिहास-भूगोल को ॥
'डीआरडीओ' के सुरक्षा-चक्र को समझो,
'सतीश रेड्डी' के काम को।
'हॉलडेन' की 'जीवमिति' को,
'चरिष्ठनारायण' के 'गणनाज्ञान' को ॥
'हरित क्रांति' के जनक को जानो,
'एम. एस. स्वामीनाथन' को।
'श्वेत क्रांति' के जनक को जानो,
'वी. कुरियन' महान् को ॥
'आई. आई. एस. सी.' के काम को जानो,
'गोविन्दन रंगराजन' को।
'इसरो' के अभियान को समझो,
'के. सिवन' की उड़ान को ॥
भारत के 'भू-भर्ग' को समझो,
भारत के खगोल को
देश के इतिहास को जानो,
देश के 'भूगोल' को ॥
जय-जवान, जय-किसान के संग
अब, बोलो - जय विज्ञान की।
विज्ञानी की जय बोलो,
जय बोलो अनुसंधान की ॥

- डॉ. भगवती प्रसाद उपाध्याय (हिंदी विभाग)

नवविचार

समय पाषाण है, अभेद्य-कठोर,
समय अंत है, प्रारंभ भी,
समय संसार का विधि विधान,
समय करुणा है, दंभ भी।
उलट-फेर करता जीवित-जीविता का,
समय साक्षात् प्रलय है,
फेर है झूठ और सच्चाई का
समय कपट-सत्य का विलय है।
यही पाठ प्रथम है समय का
बुद्धि गंगा-सी बहती रहे सदा,
अंधकार में शब्द प्रकाश का
वह कहती रहे सदा।
यह सीख-सिखाई शाश्वत है,
ज्ञान समय के समानांतर है,
ज्ञान आज है, कल था, कल भी होगा,
ज्ञान और कर्म समय के समानांतर है,
ज्ञान आज है, कल था, कल भी होगा,
ज्ञान और समय में क्या अंतर है?
तो समय संग जब हम आगे बढ़ते हैं
दीप्तिमान वर्तमान होता है
अधबुझे दीप पुराने बुझते हैं।
अशुभ नहीं ये बुझे दीप यदि
तुम नए दीप प्रज्वलित करते हो
वीरान खलिहानों को यदि
तुम फिरसे सुफलित करते हो...

अहान वैद्य,

एस.वाई.जे.सी. (आर्ट्स)

अंधेरे में उजाला

आँखे नम सी थीं
बातें रुकी सी थीं
इस बैचैनी की वजह
कुछ अनजानी सी थी।

सवाल थे कई मन में
बस खामोशी थी उनका जवाब
उस अंधेरे को ताकती आँखें
न जाने जैसे गुमनाम सी थी।

कभी टूटा दिल, तो कभी कोई धुँधली सी याद
कभी कोई बंजर सवाल, तो कभी कोई अनकही सी बात
पर कभी-कभी हाँ होती हैं ऐसी भी रात
जब नींद ही नहीं आती, सोचती हूँ-आएगी थोड़ी देर बाद।

करवटें जैसे आदत सी बन जाती हैं
उस घने अंधेरे में यादें साफ नज़र आती हैं
उस खामोशी में भी सुनाई देते हैं - दिल में छिपे अल्फाज़
बस कुछ इसी तरह कट जाती है वो रात।

पर शायद कहीं उस रात में खुलके जीती हूँ
उस अंधियारी में हँसती हूँ, रोती हूँ
दोबारा नई उम्मीद से वही चीज़ दोहराती हूँ
न जाने क्यों उस अंधेरे को दिल में छिपा सबकुछ बताती हूँ
बस समझो इस रात में अंधेरे में उजाला पाती हूँ...।

कु. वृंदा पाध्ये,
बी. ए. (द्वितीय वर्ष)

अनलर्निग

हर सुबह मैं ब्रह्मांड को जानने की कोशिश करता हूँ।
यह ज्ञान की बेड़ियों से बचने के लिए एक योगाभ्यास की तरह हैं।
६३ साल में आपका सिर कितना उत्साह से भर जाता है।
अतिरिक्त को शुद्ध करने के लिए एक विधि होनी चाहिए।
अब तक मैं इसका पता नहीं लगा सका हूँ।
मैं कोशिश करता रहूँगा क्योंकि मैं चीजों को ताज़ा देखना चाहता हूँ।
मैं पहली बार बच्चों को रोना और वृद्ध को सांस छोड़ते हुए सुनना चाहता हूँ।
मैं १५ साल की एक हैरान लड़की की तरह नए सिरे से प्रवेश करना चाहता हूँ।
एक ऐसे आनंद की खोज करना जिससे वह कभी बचना नहीं चाहेगा।
मैं अपने बीते याद किए गए जीवन को भूलना चाहता हूँ।
मैं महिलाओं के नमकीन स्वाद को फिर से खोजना चाहता हूँ।
मैं हर जगह रहा हूँ और गंतव्य से बाहर हूँ।
एक प्रश्न के उत्तर के अभाव में मुझे दर्द होता है।
मैं फिर से युद्ध में जाना चाहता हूँ और आतंक की भावना को फिर से सीखना चाहता हूँ।
मैं पहले प्यार के चकित उत्साह का अनुभव करना चाहता हूँ।
मैं थके हुए जीवन से अपने आश्चर्य की भावना को पुनः प्राप्त करना चाहता हूँ।
पहली बार पक्षियों को फिर से सुनने के पूर्ण आनंद की कल्पना कीजिए।
सीखना सीखने की तुलना में बहुत कठिन है।
मुझे डर है कि इस बोझ को जानने के लिए पर्याप्त वर्ष नहीं बचे हैं।
लेकिन मुझे इसे उस जोश के साथ अब और नहीं रखना चाहिए।
माइक एसिग के दिल में फिर से सुबह है।
और हर सुबह मैं ब्रह्मांड को जानने की कोशिश करता हूँ।
बस इसलिए कि मैं इसे फिर से सीखने का आनंद जान सकूँ।

कुमारी पलसी लोपेज़
बी.ए. (प्रथम वर्ष)

हर घर ध्वज

चार रंगों से सजा
हमारा तिरंगा है न्यारा
सभी रंगों की अपनी परिभाषाएँ हैं
आज़ादी से जुड़ी कई महत्वाकांक्षाएँ हैं
केसर में सूर्य का निखार है
श्वेत में अमन का प्यार है
हरा ले जाय समृद्धि की राह पर
नील चक्र ले जाय प्रगति-पथ पर
उन बर्फीले सरहदों पर
चमकता है लौ की तरह
हिंद महासागर में उभरता है मोती की तरह
देश के लिए शहीद होने की
प्रेरणा देता है तिरंगा
कि सुनो कि तिरंगा आज कुछ कह रहा है
पन्द्रह अगस्त और छब्बीस जनवरी के बाहर
अपने अस्तित्व को खोज रहा है।
मत भूलो उन अशकों को
जब बेटा तिरंगे में लिपटकर आया था।
मत भूलो उन खिलाड़ियों को
जो दिल में जोश और सीने पर
तिरंगा लेकर मैदान में उतरते हैं।
मत भूलो उन वैज्ञानिकों को जो
अंतरिक्ष में भी तिरंगा फहराते हैं।
मत भूलो उन प्रवासी भारतीयों को
जो आज भी तिरंगे के आगे
नमन करने के लिए शीश झुकाते हैं।
कि आओ कि आज़ादी के इस अमृत
महोत्सव में सब रंग जाएँ
हर घर में अपना प्यारा ध्वज लहराएँ।

डॉ. अवकाश जाधव
इतिहास विभाग प्रमुख

सजदा

भीगी सी एक सीस्की से मुलाकात हुई,
उसकी अपनी आँहो की बात हुई,
एक शाँख में लिप्ती हुई वो याद,
सुखे पत्तों की वह आखरी नमी,
एक नए विश्वास की वह चाह,
इन सब की जुबाने दास्तान हुई,
उन तमन्नाओं के फूलों ने भी अपनी मायूसी जताई,
इन्सानी फितरत पर हुई थी उनको रुस्वाई,
एक कोने से तभी ऊस काली बूँद ने आवाज लगाई,
बोली मेरे प्यार की तूम मिसाल देना,
मैं काजल हूँ, ऊस खारे पानी के साथ में भी चली आई,
एक रुहानी मंजर के आघोष सा लग रहा था वहाँ,
सब गैर थे, पर जज्बातों की सादगी से जूदा थे यहाँ,
कौन कहता है आस्मान से जमीन जूदा है,
वह बारिश की बूँदे, सूरज की तपीश,
सर सराती बादलों की हवा,
ये उनकी बेपन्नह मुहब्बत की ही तो गवाह है,
रिश्ते कभी नाकाम नहीं होते,
बस जज्बात फिके पड़ जाते हैं,
हो गर हुच्चर-ऐ-ईश्क तो हालात भी सजदा कर जाते हैं।

डॉ. अवकाश जाधव
इतिहास विभाग प्रमुख

पत्रास कारण की

बाळा,

पत्रास कारण की आज आयुष्याच्या उंबरठ्यावर उभे असताना काही गोष्टी मज उमजल्या आणि हे पत्र त्या गोष्टी तुझ्यापर्यंत पोहचविण्याचा एक मार्ग, एक प्रयास आहे. 'शिकवण' - शाळेपुरताच मर्यादित असलेला हा शब्द आपण कधी व्यवस्थित समजून घेतलेलाच नाही. विज्ञान, गणित, भूगोल, इतिहास एवढंच शिकायचं नसतं. शिकवणीच्या परिभाषेत जीवनाचा ही समावेश असतो.

गृहीत धरलेले हे आयुष्य आपल्याला सतत बरंच काही सांगत असतं, शिकवत असतं. आणि हेच आयुष्य कसं जगावं हे शिकवणे, आपल्या अनुभवांतून पुन्हा शिकणे आणि आयुष्यात शिकलेल्या काही गोष्टी विसरून नवीन शिकवणीचे, नवीन अनुभवांचे स्वागत करून आपल्या जीवनात त्यांना सामावून घेण्याची तयारी केली पाहिजे. मी ह्या तयारीत जरा उशिर केला आणि म्हणूनच तसं परत होऊ नये म्हणून हे पत्र तुझ्यासाठी.

तुमच्या सोबत चार दिवसांच्या मुक्कामानंतर तुमचं आयुष्य काय आहे हे कळले.

अगदी ५-३० ला गजराचा आवाजाने उठणे मोकळ्या श्वासासाठीही वेळ न दवडता पुढच्या एका तासात तयार होऊन ट्रेनच्या गर्दीत घड्याळाचे काटे पाहत "आज वेळेत ऑफिसला पोहोचेल का?" ह्या विचारात गढून जाऊन, नऊ ते पाच मध्ये कामाचे ओझे आणि सकाळी झालेल्या प्रवासाच्या दोन तासात परतीच्या प्रवासाची दोन तासाची बेरीज! वाक्यातील निरर्थक शब्द वगळल्यासारखं झटापटीनंतर ट्रेन मधून उतरणे, घरी पाऊल ठेवताच कामाचे ओझे उतरवून घरच्या जबाबदाऱ्या खांद्यावर घेणे आणि घरकामाला लागणे... हेच चक्र सतत चालू राहतं.

हे चक्र तोडायला शिकण्याची आवश्यकता आहे. मी तुम्हाला सतत घडाळ्याच्या काट्यांवर नाचतांना पाहतो पण कधी कधी आनंदाने नाचा, कारण नसतांना नाचा, अगदी लहानपणी नाचायचीस ना तशीच! एखाद्या मोठ्या यशाच्या पाठीमागे दौडत असतांना आपण आपल्या आनंदाचे छोटे छोटे क्षण गमावून बसतो. त्यामुळे त्या छोट्या क्षणांच्या शोधात राहून त्यांचा आस्वाद घ्यायला शिका.

लहानपणी रेडिओवर ऐकत आलेल्या आपल्या आवडत्या कव्वालीत एक सुंदर ओळ होती - "जर जमी जर जेवर कुछ ना साथ जायेगा, खाली हाथ जायेगा." तर हो आपण खाली हाथ जात असू पण आपल्या मागे उरतो तो असतो आपला वारसा, वारसा - आनंदाचा, कष्टांचा, नैतिकतेचा अन्ःसंस्कृतीचा.

समाजात असलेल्या भेदभावाच्या भिंती, चुकीच्या रूढी-परंपरा यांना विसरा, प्राचीन काळापासून चालू असलेल्या या परंपरा आपल्या समजाला मागे ओढतात. पण त्यासोबतच विस्मृत झालेली आपली संस्कृती, भाषा, लोकं या सर्वांचा इतिहास पुन्हा शिका आणि शिकवा. त्यांचा अभिमान बाळगा!

शेवटी एवढेच म्हणेन कि जीवंत असतांना आपण कदाचित जगणंच विसरून जातो. त्यामुळे आयुष्य जगायला शिका. प्रत्येक क्षण जगायला शिका.

तुझाच,

बाबा.

मानसी गवळी
द्वितीय वर्ष, कला

आरंभ, अंत, आरंभ...

सुरु झाल्यावर ते वर्ष, दिवस गेले सरत।

सांगतेची वेळ जवळ आली हे गेले जाणवत ॥१॥

कधी म्हणता म्हणता घडी ती सरली

वेळ कसा झाला ते कळलंच नाही ॥२॥

मागे वळून पाहिले नाही वाटेवरूनी या जातांना।

आमोर फाती म्हणत अनुभवले गुलाब अन् काट्यांना ॥३॥

कौतुकही केले गेले अन् समजुतीचे खडे बोलही सुनावले गेले।

‘कानांना दोन्ही गोष्टी ऐकायची सवय असूदे’ हे ते सांगून गेले ॥४॥

वाटले नव्हते वर्ष सुरु करतांना की इतके काही हे शिकवून जाईल।

जबाबदारी आली की बदलावे लागतेच हे समजावून जाईल ॥५॥

उद्धाटन सोहळ्याच्या वेळीस होते एक सुंदर हसू।

सांगतेच्या वेळेस हसू बरोबरच डोळ्यांत होते अश्रू ॥६॥

प्रवासात या भेटली अनेक नवी माणसे निरनिराळ्या ढंगाची।

प्रत्येकाच्या स्वाभावाशी जुळवताना झाली होती मात्र कसरत माझी ॥७॥

बघता बघता खूप छान जोडले गेले या नव्या माणसांशी।

हाताची पाचही बोटे सारखी नसतात यातच खरी मजा आहे हे कळले सरतेसरशी ॥८॥

सुंदर अशा या प्रवासात स्वतःबद्दल खूप काही शिकले।

नव्या गोष्टींनाही कसे आपलेसे करावे हे शिकले ॥९॥

काही जुन्या गोष्टींचा, सवयींचा त्याग करून नव्या गोष्टी आत्मसात करण्याची शिकवण या वर्षाने मला दिली।

त्याबरोबर जुन्या गोष्टी अन् सवयी नव्याने शिकण्याची अनोखी गोष्ट सुद्धा समजावून सांगितली ॥१०॥

अविस्मरणीय वर्ष हे संपले तरी आठवणी राहिल्या मागे अशा सुंदर।

एका गोष्टीची सांगता ही दुसऱ्याचा असतो आरंभ हे सांगून गेले बेहत्तर ॥११॥

तिर्थांगी कुलकर्णी

द्वितीय वर्ष, कला

माय मराठी!!

प्राकृतातून जन्मलेली
ओळख तिची महाराष्ट्री
तांब्यावर कोरलेली
प्राचीन अशी ही लेखी।
वारकरी महानुभावांनी
तिचा घातला पाया सर्वांग
ज्ञानेश्वर, नामदेव, तुकारामांनी
बनवले तिला अभंग
ओवी, भारूड, पोवाड्यातून
पसरे तिची ख्याती
रामदासांच्या श्लोकांनी
पसरे तिची महती
शिवरायांची ती शान
सर्वांचा राखे मान
फारसी, इंग्रजी, अरबी सामावून
जोपासे तिचा सन्मान
आले राज्य ब्रिटीशांचे
तरी कणा तिचा ताठ
पाठिंबा तिला सावरकरांचा
आता फक्त स्वातंत्र्याची लाट
पुलंच्या गोष्टीवर हसून
झाली ती फुलराणी
कुसुमाग्रजांच्या नाटकांनी
ती भरून पावली अश्रूंनी
प्रवास तिचा मोडी ते देवनागरी
शतकांपासून अभ्यास तिचा विद्वान करी
देशी, मराठवाडी, वैदर्भी अन कोकणातली
अशी प्रख्यात तिची बोली
चित्रपट, दूरदर्शन, साहित्यातून
जगभरात तिची प्रचिती
आपल्या संस्कृतीचा वारसा जपणारी
अशी ही माझी माय मराठी !!!

आशाना शेटी
द्वितीय वर्ष, कला

आजचा दिवस

आजचा दिवस रमवावा कसा?
रोजनिशी प्रमाणे पहिले पाटे
पंचावन्न घालवण्यात की आज
काही तरी वेगळं करू असं
स्वतःला समजवण्यात...
आजचा दिवस रमवावा कसा?
सोशल मीडियावरील फोटोस
लाईक करण्यात की मित्रांसोबत
बाहेर फिरायला जाऊ असे
ठरवण्यात...
आजचा दिवस रमवावा कसा?
मनोरंजनासाठी विविध सिरीज
पाहण्यात की आपलीशी वाटणारी गाणी
ऐकण्यात...
आजचा दिवस रमवावा कसा?
आज कोणती नवीन स्टोरी पोस्ट
करायची हे ठरवण्यात की
खरोखरच नवीन स्टोरी
अनुभवण्यात...
आजचा दिवस रमवावा कसा?
खाद्यपदार्थांचे रिल्स पाहून पोट
भरण्यात की यातली आज एक
तरी रेसिपी ट्राय करू असं
म्हणण्यात...
आजचा दिवस रमवावा कसा?
पुस्तकाची काही पाने वाचून ठेवून
देण्यात की पूर्ण पुस्तक उत्सुकतेने
वाचून संपवण्यात...
आजचा दिवस रमवावा कसा?
नुसते बसून दिवस घालविण्यात
की आवडीचा छंद जोपासण्यात...
आजचा दिवस रमवावा कसा?

मेघना विठ्ठल पाटील
द्वितीय वर्ष, विज्ञान

माझे मन

गजबजलेल्या मनाला शांत केलंय आज
असंख्य विचारांनी धावणाऱ्या आगगाडीला थांबवलंय आज
देहातल्या वाहत्या प्रवाहाला रोखलंय आज
सैरावरा धावणाऱ्या शब्दांच्या बेडीला अडवलंय आज
स्वतःपेक्षा जास्त इतरांना महत्त्व देणाऱ्या मनाला बजावलंय आज
दूर जाऊ पाहणाऱ्या जवळच्या गोष्टींना कवटाळलंय आज
हरवलेल्या आत्म्यास शोधलंय आज
लोकांच्या नजरेत वेडसर असणाऱ्या निष्पाप जीवाला समजावलंय आज
हळूहळू टाकल्या जाणाऱ्या पावलांना बळ दिलंय आज
पिंजऱ्यात बांधून ठेवलेल्या बंधनांना मुक्त केलंय आज
पुन्हा नव्याने प्रकर्षाने गोष्टी समजल्यात आज
बर्फाच्या गोळ्याप्रमाणे वितळायचे नाही, हे ठरवलंय आज
भ्रमात राहणाऱ्या प्रवृत्तीस खडसावलंय आज
खूप बोलू पाहणाऱ्या मुखास शिकवलंय आज
निर्मळ, भावूक जीवाची क्षमा मागितलीये आज
धडधडणाऱ्या हृदयास प्रेमाने कुरवाळलंय आज
चांगल्या आठवणींना घट्ट जोडून ठेवून जगायचं, बागडायचं, ठरवलंय आज
खूप काही घडलंय आज, मनातलं बाहेर पडलंय आज
गजबजलेल्या मनाला शांत केलंय आज,
शांत केलंय आज....

मेघना विठ्ठल पाटील
द्वितीय वर्ष, विज्ञान



Chronicles |

ANCIENT INDIAN HISTORY, CULTURE AND ARCHAEOLOGY

The academic year of 2021-22 was a year of turmoil and change from the classroom to the digital platform of teaching and learning. Since online education taught us how to face reality, we conducted virtual tours, workshops, exhibitions, lectures and attended conferences.

The department of AIHCA, in collaboration with the Department of English and the Anantacharya Institute of Indological Research, held an online lecture series on "Works of Kalidasa" by Dr. Swati Dravid on the contribution of the classical dramas, lyrics and epic poems, on the 17th, 24th and 31st of August 2021.

Professor Jason Johns delivered a lecture at Sadāttva on "Importance of Conservation Studies in Education: Formal (School & College – NEP) & Informal" on Saturday, July 24th, 2021. He also had an Instagram live discussion at Art & Charlie titled "Queer art in ancient times" and delivered a lecture on "Evidence of queer identities through art from ancient times in India and other cultures" on June 20th 2021. In addition to the aforementioned, he also delivered a lecture at Sthāpatya Samvaad titled "Tracing Queer History through Ancient Indian Art & Literature" on 25th July 2021.

Dr. Anita Rane-Kothare's research paper on Physical Distancing and Heritage Management for protection of our sites, as a case study on petroglyphs and some unknown sites in Konkan was published in Xplore 21. Later, UNESCO declared the petroglyphs found in Konkan as Heritage sites.

Dr. Radha Kumar, along with the Rector of the College, Dr. (Fr.) Keith Dsouza and Professor Radhika Rani continue to guide the student team of the Department of Inter-religious Studies (DIRS), St. Xavier's College Mumbai. Her collaborations with Tabla Connect for courses on Theory of Music and Dance and practical lessons of Sitar have been taken to great heights. She delivered lectures on ethics in the Indic Religion for

the Certificate course on Philosophy, organised by the DIRS.

Dr. Radha Kumar conducted a Poorvansh Lecture Series on June 28th and 29th, 2021 - "Mythology as the essence of Indian Culture and History" in collaboration with many eminent speakers.

She conducted a Guru Purnima program on 26th July 2021 with Tabla Connect and gave a sitar recital for the Inner Wheel Club of Bombay Film City on 10th July 2021. She was invited to review a book "*The Path to Leadership - Discovering your Inner Strength*" by Smt. Kalyani Patnaik, Principal, Hirandani Foundation School on 31st July, 2021. She delivered a lecture under the DIRS, "Ethics in Indic Religion" and also delivered lectures on Buddhism under the certificate course, Jain and Charvak Traditions for the DIRS on 10th and 14th September 2021. She was invited as a resource person by the World Gold Council on the History of Gold in India on 9th August 2021. She was also invited as a judge by the Pathways World School for the AFS-PWSA inter-school debate competition held on 22nd September 2021. She delivered a lecture in collaboration with Poorvansh on "The Mountain Speaks" on 8th October 2021.

Dr. Anita Rane-Kothare was invited to deliver a lecture on Symbolic Expressions in Art by the DIRS on the 23rd of July, 2021. In collaboration with the Museum Society of Mumbai and Bombay local history society, a lecture by Yatin Pimpale, the curator of the B.E.S.T museum on Horse to Horsepower was held on the 20th of August 2021. In September, Ann Shaftel was invited to give a lecture on the conservation of Thangkas: questions and concerns, where the conservation of Thangkas was discussed.

Professor Jason Johns conducted a two-day Brahmi Script workshop for Khaki Lab, Mumbai on October 10th & 17th 2021. On 28th October 2021, the Chile consulate invited Dr. Anita Rane-Kothare as a speaker for an international webinar on

Opportunities for Education in Museology and Conservation.

Dr. Anita Rane-Kothare, the Head of Department, was invited as a Chief Guest for the World Heritage Week in November 2021 by the Archaeological Survey of India (Mumbai circle). The sites visited by Dr. Anita Rane-Kothare for the World Heritage Week were the Kanheri Caves at Sanjay Gandhi National Park and the Ambernath Temple. An informative lecture was held about each site. She was invited by "Sambhashan" to deliver a commemorative lecture on Memories of Dr. Walter Spink on the occasion of his death anniversary.

Dr. Kothare was also selected as an executive committee member of the Mumbai commission for Art, Music and Culture by the Brihanmumbai corporation. She was appointed as the Vice-Chairman of the Museum Society of Mumbai and Jason Johns as the Secretary for the same.

Due to the pandemic, we had our first online annual Festival, Vividha 21-22 on January 11th 2022 with a virtual exhibition on A Thousand Beliefs: One Meaning. We had our magazine RCA, released on zoom with limited hard copies and soft copies. Dr. Radha Kumar was invited as a keynote speaker. She delivered a lecture on Indian Religion: Many Beliefs, One Essence. The department would sincerely thank Mrinalini Sampat and her team for all their efforts.

On the occasion of the Holocaust Memorial Day on January 27th 2022, the department in collaboration with the Consulate General of Israel and Museum Society of Mumbai organised a virtual tour of Yad Vashem Museum in Israel. The Consulate General addressed the students. The personal narrative of a Holocaust survivor and a short musical performance was a part of the programme. The convenor of this programme was Dr. Anita Rane-Kothare.

The month of February 2022 brought feathers to the cap of the department with Professor Jason Johns defending

his PhD thesis titled “Cross-Cultural Study of Early Christian Trends, Dialogue, Interaction and Impact between Middle - East and India” on 12th February 2022 successfully.

He delivered another lecture at Sadāttva at the “Into-the-Past Summer Camp” on “Collection Care at Home” on 25th April 2022 at 4:30 pm IST. He also delivered an onsite lecture at Sadāttva at the “Into the Past Summer Camp” at the site of Kanheri on Maharashtra Day – on 1st May 2022. He was invited as session Chairperson for 16th Antevasikanam Pali Parisad, Department of Pali, the University of Mumbai to moderate paper presentations on 10th April 2022.

Dr. Radha Kumar was invited to present a paper and chair a session for a two-day International Conference (March 19th and 20th 2022) organized by the Institute of Objective Studies and G.M Momin College. The theme of the seminar was “Need for Inter-Religious Understanding for Promoting Peace and Harmony”. The title of her paper for the same was “The Tales of Jatakas - An inspiration for Harmonious living” which she presented on March 20th, 2022. She was invited to present a paper at the international webinar on Hindu Philosophy: an exploration of scriptures, history, politics, trade, commerce, economics, sociology, and spirituality. The title of her paper was “Power with Responsibility: Gleanings From The Ayodhya Kanda Of The

Ramayana”. 25th and 26th February 2022.

She was invited to deliver a lecture for a Teachers Workshop by Euro School Thane, “Experiences and Explorations as a Teacher.” She was also invited to deliver a lecture for the Harvard Asia Programme 2022 - Spring Conference. The theme of the conference was “Interdisciplinary Innovation - New Ways To Approach a New World”. Her paper was titled “Taking The Ancient With The Modern”.

She wrote a chapter in the book, *Current Researches in Indian archaeology*, written by Dr. Madan Lal Meena, Dr. Vineet Godhal and Dr. Vijay Kumar (ISBN – 978-81-95008-05-6), published by the literary circle in Jaipur. The title of the chapter was “Reflections of the Economic Parameters in the Sutta Literature of Buddhist Thought.”

Dr. Anita Rane-Kothare was invited by Khalsa college to deliver a lecture on Heritage and Tourism in Mumbai on 9th February 2022. She was elected as the chairperson of the new staff council.

The government asked for the hybrid mode of teaching and we resumed offline duties. After the exams were over, the department in collaboration with ASI (Mumbai circle), MSM and BLHS on the occasion of Heritage Day, organised a site seminar for a day at Elephanta island on 17th April

2022. There was an attendance of 70 participants, inclusive of students and staff from St. Xavier’s College and students from Mumbai and Thane. Dr. Rajendra Yadav, superintendent director of the Mumbai circle, Dr. Shreekant Jadhav and Dr. Anita Rane-Kothare delivered on-site lectures. A trek to three unknown caves and the Stupa was planned especially for this day. E-certificates of participation were given to the students. Special thanks to Kashvi Desai, Kashak Soni, Vedant Kanodia, Shania Figueredo and Aniruddh Patil from F.Y.B.A for management, led by Dr. Anita as a convenor.

David Ranz, the U.S Consulate General for Mumbai was taken for a Heritage walk by Dr. Anita to the Asiatic library to see the relics of Buddha from Sopara.

Dr. Anita was invited by BBC to participate in the series on Legends from India. She was awarded the Mrs. P. M. Jayakar gold medal for her service to the society on the 15th of May 2022.

On behalf of the department, I would like to sincerely give thanks to Ms. Tejasvi Mehta, Dr. Jason Johns, and Dr. Radha Kumar for standing as strong pillars of support.

Dr. Anita Rane-Kothare
Head, Department of Ancient Indian History, Culture and Archeology



BIOTECHNOLOGY

“All of us do not have equal talent. But all of us have an equal opportunity to develop our talents.”

- Dr. APJ Abdul Kalam

Continuing the pursuit of academic excellence using virtual platforms and hybrid mode, the Department facilitated enriching experiences for students.

Post-Graduate Diploma in Bioinformatics

This flagship programme of the department, started in 2019 to facilitate the experience of changing trends in biological science research and incorporation of machine learning, was conducted online from July 2021-April 2022. Dr. Karuna Gokarn and Ms. Norine D'souza coordinated the execution of this course. Along with in-house subject experts namely, Dr. Karuna Gokarn, Ms. Norine D'souza and Dr. Shiney Peter, lectures and practical sessions conducted by various resource persons from institutions of repute like ACTREC, Bombay College of Pharmacy and Med Genomics Pvt Ltd were the highlights of this course. Twenty-six students completed the programme with flying colours.

Honours Programme 2021-22

Title: *Exploring Biology Using Computational Tools*

To introduce the concepts in Bioinformatics in Undergraduate Education, the Department offered a 1 credit honours course on *Exploring Biology using Computational tools*. Module-based sessions on applications of Computational and Bioinformatics tools in Biological Science, in the form of lectures and online demonstration were conducted from November 2021 to March 2022. Twelve students from the undergraduate programme (SYBSC and TYBSC) in Biological Sciences actively participated in the course and completed it with good grades.

Department Activities:

A number of online activities were organised this year to stimulate the

young minds to find answers for the upcoming challenges in the world of Biotechnology. The activities were ideated and organised under the able leadership of Dr. Karuna Gokarn. All faculty members, Ms. Norine D'souza, Dr. Shiney Peter and Dr. Punita Jain, actively participated in the organisation of these sessions throughout the year. All students from MSc Part I and II enthusiastically participated and enhanced their knowledge base.

Webinars and Workshops Conducted:

1. 'My Success in The Real World - Cultivating 3 Key Attributes', a mentoring webinar was conducted on 4th October and 8th October 2021.

- Resource Person: **Dr. Aamir Shaikh, Founder, ASSANSA Pvt Ltd**

2. 'Impact of AI in Scientific Communication', an interactive webinar held on 9th April 2022.

Resource Persons:

- **Nikhil Thangiah**, Senior Associate Editor at Cactus Communications – 'Change is directly proportional to opportunity'
- **Ms. Charlotte Baptista**, (Product Head, Language Automation, Cactus Communications) and **Mr. Srinivas Vuyyuru**- (Director -Data Engineering, Cactus Communications)- 'AI Disruptions in Scientific Communication'

3. "Antarchakshu"- An eye opener workshop on understanding the possibilities in disabilities was conducted in collaboration with XRCVC on 12th April 2022. **Mr. Krishna Iyer** was the resource person for the same.

4. **Alumni engagements** for mentoring and training sessions:

- Scientific Illustration using online tools conducted by

Ms. Rutuja Chalke, (Batch 2019, Science Illustrator at IIT Bombay) on 30th October 2021

- Preparing Science Videos (Concept and Editing tools) conducted by Christopher Gibbs, BMM Alumnus on 18th August 2021
- 'My Learning Curve'- an insightful interaction with Mr. Tejas Suryawanshi, PhD Scholar-PMRF, IIT Bombay on 28th August 2021

5. **Extension Activity: Science Adda- an interactive online programme for secondary and higher secondary school students** under the DBT-Star College Scheme and Azadi ka Amrit Mahotsav, to highlight Science, Technology, and Innovation for living and not just learning, was organised on the occasion of National Science Day, on **28th February 2022**. MSc-I students prepared a video, titled '**Cell-O-Tourea**', a discovery trip to understand the core of Biotechnology, its theory, techniques, achievements and scope.

6. **Scientific Communication Training and Assessment:**

Fifty students (MSc-I and II) participated in MANAV: Scientific Reading & Comprehension Self-Assessment Module and completed the module with excellent scores. The module was conducted by MANAV -the Human Atlas programme under IISER, Pune for UG and PG students to explore scientific reading and comprehension techniques.

Palindrome Magazine:

In its 11th year of publication, Palindrome Magazine is a compilation of well-researched thoughts on the 4th Dimension of Biotechnology, rising from the shift of knowledge driven sector to a data driven sector. The advancements in bridging the gap

between computers and biology in the era of Artificial Intelligence holds promising results and the magazine gives an insight into the same. A manifestation of well-coordinated efforts, right from deciding the theme, authoring articles, compilation of research projects, editing and designing by the students of Semester IV, Palindrome magazine was released by Dr. Rajendra Shinde, Principal and Dr. Karuna Gokarn, Head, PGDBT on 9th April 2022.

Workshop

- A hands-on training workshop on Basic Techniques in Animal Tissue Culture was conducted for TYBSc Students from K J Somaiya College from 18th April to 22nd April 2022. Dr. Shiney Peter was the resource person for the same.

Research Activities:

Paper Publications: (All communicated)

- In-silico characterization and cancer specific mutational impact analysis of the HAS2 protein – Communicated
- Effect of mutations on structure of Mycobacterium Tuberculosis KatG protein and interactions with Isoniazid - An in-silico study – Communicated
- Comparative sequence analysis of PE5 proteins in Mycobacterium species – A computational study

Paper Presentations:

- Bhavya Dawat, Shreya Shyamsunder and Rohan Shelke, under the guidance of Ms. Norine D Souza, presented their project work on 'Authentication of Mammalian Animal Models for HIV-1 Interaction using CXCR4 Coreceptor – An In-Silico Approach' at the Research Scholars Meet 2021, organised by School of Biotechnology and Bioinformatics, DY Patil UNIVERSITY on 23rd August 2021.

- Josette Misquitta won the 4th position Jury award for a poster themed, "In-Silico Model Organism Selection, Characterization, Structure Modelling and Mutation Impact Analysis of the HAS2 protein' presented at the Darwin Research Symposium 3rd edition, organised by Riddle, Somaiya Vidyavihar on 4th December 2021.
- Shreya Nair, under the guidance of Ms. Norine D'souza, presented her project work on "Mutational Implications on the Structure and Interactions of Alpha-Synuclein: An In-Silico Study" at the Research Scholars Meet 2021, organised by School of Biotechnology and Bioinformatics, DY Patil University on 23rd August 2021.
- Norine D'souza presented her project work on "Study of the Impact of Missense Amino Acid Mutations Associated with EFNB2 Ligand on Structure and Function" at the Research Scholars Meet 2021, organised by School of Biotechnology and Bioinformatics, DY Patil University on 23rd August 2021.

Research Grants - 2021-22

- DBT-BUILDER Grant Project (2021-2025) – 'Exploration of Therapeutic Targets against Cancer: An Integrative Approach' ongoing.
- Ms. Norine D'souza completed the University of Mumbai Minor Research Project on 'Optimization of Polyhydroxy-3-Butyrate (PHB) by Modulating Biochemical Pathways' (Grant value Rs.70,000/-)
- Dr. Shiney Peter completed the University of Mumbai Minor Research Project on 'synergistic Effect of Phytochemicals derived from Calotropis Species on Proliferation of Human Solid Tumor Representative Cell Lines' (Grant value Rs.70,000/-)

Student Research Projects:

- In the third semester, students completed group projects (in the department) on various aspects

of Biotechnology guided by the faculty. Listed below are a few project topics:

Under the guidance of Ms. Norine D'souza

- An In-Silico approach to study MAO-A gene & its implications in aggressive behavior
- In-Silico characterization of Cyclotides from *Violaceae* and *Fabaceae* families native to India
- Sequence level analysis of ZIKV genome & interaction of Berberine & Palmatine with NS5 protein of ZIKV
- In-silico modelling of plant EPSP Synthase and its interaction with Glyphosate.

Under the guidance of Dr. Shiney Peter

- Demystifying the paradox behind the current therapeutic interventions for MAOA linked aggression: A systematic review on Alternate Therapies
- Cytotoxic studies of Cyclotides from plant belonging to *Violaceae* and *Fabaceae* families native to India
- Effects of Berberine & Palmatine on Zika virus: An In-Silico approach
- A systematic review on toxicological analysis of Glyphosate-based herbicides

Under the guidance of Dr. Punita Jain

- A systematic review of Laccase: the blue enzyme for a greener tomorrow
- An overview on Antibiotic Resistance: the current biggest threat in India
- Coral Damage: causes, effects, remediation & restoration
- Bacterial Biofilms: A review on a novel alternative for Bioremediation of Chromium, Naphthalene, and Azo dyes in wastewater.

Semester 4: All Semester IV students completed their dissertation project of a period of 5 months at various national research institutes viz, IIT Bombay, CIFE, NIRRH, UM-DAE-CEBS, Agarkar Research Institute Pune among others.

Student participation in webinars/workshops/conferences :

Students participated in a number of webinars and workshops to keep themselves abreast with the emerging trends in the field. A few of them are enlisted here:

- International Webinar on ‘*Crsipr Gene Editing in Virus Research*’, organised by the Department of Biotechnology, Patkar Varde College on 19th August 2021
- Webinar on ‘*Laboratory Safety Rules and Transportation of Casualty*’ organised by St. Xavier’s College, Mumbai on 20th August 2021
- Indo-Australian Web Symposium on ‘*Recent Advances in Drug Development*’ organised by Indian Institute of Chemical Biology, Kolkata on 2nd and 3rd September 2021.
- Rajalakshmi Amudan Lecture Series on ‘*Opportunities in Biotechnology*’ conducted by the Department of Biotechnology, SIES College, Mumbai on 21st December 2021.
- Azaadi Ka Amrit Mahotsav Lecture series
 - ◆ 3rd August 2021- ‘*Peaceful Applications of Radiation Technology in Agriculture & Food Preservation*’ in association with BARC, Mumbai

- ◆ 23rd August 2021- ‘*Development of Immune Memory by Multiomics*’ in association with NII, Delhi
- International Webinar on ‘*Humanized Mice & Applications in Healthcare Research*’ organised by ACTREC, Navi Mumbai on 19th August 2021
- ‘*Bio Waves: A Structural Approach to Understanding Macromolecules*’ organized by the Department of Life Sciences, St Xavier’s College (Autonomous), Mumbai on 12th March 2022

Faculty Activities:

Dr. Karuna Gokarn

- **Workshops/Conferences/FDP...**
 - ◆ Presented best practices at St. Xavier’s College, Mumbai at the National Symposium on ‘Institutionalizing Best Practices in HEI’s’ at Pillai College on 28th October 2021.
 - ◆ Conducted a training workshop for V.V. Dalvie College under RUSA: Role of IQAC and Importance of AQAR submission on 30th September 2021.
 - ◆ Speaker at the Online National Seminar on ‘Promotion of Institutional Research Culture; organized by Sangameshwar College, Solapur (Autonomous) Internal Quality Assurance Cell (IQAC) on 1st January 2022.
 - ◆ E-poster presentation at the 52nd World Conference of Lung Health - The Union TB Science in October 2021.

Ms. Norine D’souza

• **Visiting lectures**

- ◆ Visiting faculty for Bioinformatics Session at Biotechnology Department of Mumbai University, R. Ruia College, SIES College and Sophia College.

Dr. Shiney Peter

- Faculty Coordinator for ‘MANAV Scientific Reading and Comprehension Self-Assessment Module (for students)’ conducted by Project MANAV- the Human Atlas Initiative from September to October 2021.

• **Visiting Faculty**

- ◆ Visiting faculty for Animal Reproductive Biotechnology at University Department of Biotechnology, University of Mumbai.
- ◆ Visiting Faculty for Cancer Biology at K J Somaiya College, Mumbai.

Dr. Punita Jain:

- **Workshops/Conferences/FDP...**
 - ◆ Participated in Webinar series on Transformational Education in the Ignatian Quincentenary conducted by IQAC of St. Xavier’s College and St. Xavier’s Institute of Education, Mumbai from August 2021 to January 2022.
 - ◆ Participated in a workshop on ‘Code of Conduct: What’s special about Xavier’s Teacher?’ conducted on 17th and 25th March 2022 by IQAC, St. Xavier’s College, Mumbai.

Compiled by
Department of Biotechnology

BOTANY

The lockdown due to Covid-19 pandemic continued, and the college began in hybrid mode on November 18th, 2021, as per the Government of Maharashtra directives. Online lectures on ZOOM, GoogleMEET and in-person classes helped the teachers and students engage fruitfully.

DBT-Builder Project

The Department of Botany, is one of the research groups granted a major research project titled 'DBT Builder - St. Xavier's College, Mumbai, Interdisciplinary Life Science Program for Advanced Research and Education'. Dr. Vijaya Lobo and Dr. Rajdeo Singh have been deputed to look after the execution of the project and guidance of scientific assistants by the Principal Dr. Rajendra Shinde, co-principal investigator for the project.

Xavier's Association of Botany (XAB)

Webinars:

- On October 9th, 2021 the XAB students organised their first introductory event titled 'Let's In-TREE-Duce ourselves' which was moderated by Anushka Agarwal, the President of the XAB.
 - On December 6th, 2021 a webinar titled 'Forestry and Applications of Biotechnology' was organized. Dr. Sudhir Khodvekar who runs a consultancy which helps the students look for universities abroad, gave his insights about forestry.
 - December 20th, 2021, Dr. V. Vishnuprasad from Botany Department of SIES college, Mumbai, delivered a commendable lecture on 'Wood Science'.
 - On January 10th, 2022 in a webinar titled 'Choose The Right Door', by alumnus Mr. Bivas Nag, pursuing masters at Ludwig Maximilian University, Germany; students were guided on how to make an informed decision for choosing foreign college/university for higher studies abroad.
 - January 27th, 2022, a webinar on 'HPTLC as a tool for Phytochemical Evaluation'- Dr. Amit Saraf, the Head of Botany Department, Ismail Yusuf Government College of Maharashtra, Mumbai, explained the principle and working of above chromatography technique.
 - Dr. Atreyee Ghosh from Biosciences and Biomedical Engineering, IIT Indore shared her work on CO₂ Sequestration and industrial waste water management by Microalgae, in a webinar titled 'Astonishing Algae' on February 3rd, 2022.
 - In the webinar 'A Phytochemical Atlas to harness Indian Traditional Knowledge from Medicinal Plants' conducted on February 12th, 2022, Dr. Areejit Samal, a Professor in Computational Biology from The Institute of Mathematical Sciences, Chennai, explained how cross departmental collaborations are widespread and encouraged at all levels now.
 - March 7th, 2022 - Dr. Sashirekha Suresh Kumar, the former Head of Botany Department, Mithibai College, Mumbai, spoke on the topic 'Mycology: The Applications, the current trends and Future Prospects' and her work in the field of fungi.
 - Mr. Pranay Juwatkar, MSc-alumnus, took a special lecture on Bachelor of Education course for the students of MSc and TYBSc on May 28th, 2022.
- ### National Seminar
- On March 2nd, 2022 in collaboration with The National Society of The Friends of the Trees, the department organized a National Online Webinar on 'Tree Eco Restoration'. The event began with introductory talks by Dr. Rajendra Shinde, Principal, St. Xavier's College (Autonomous), Mumbai, Dr. Pheroza J. Godrej, President Emeritus, National Society of the Friends of

the Trees and Prof. Dr. A.D. Sawant, President, National Society of the Friends of the Trees followed by the commencement of the expert talks.

- 'Understanding Ecological Restoration' by Ms. Ketki Ghate, Ecological Consultant, Okios for Ecological Services.
- 'Role of trees for Eco-Restoration in Sikkim Himalaya' by Mrs. Usha Lachungpa, Retd. Principal Chief Research Officer, Dept. Of Forest & Environment, Govt of Sikkim.
- 'Adivasis and Trees: A close knit family that helps us conserve ecosystems and fight climate change'- Dr. Ranjan Panda, the Waterman of Odisha, first Green Hero Awardee, Convenor, Combat Climate Change Network, India
- 'Ecological restoration of degraded rainforest in Anamalai Hills, Western Ghats in India' by Shri Srinivasan Kasinathan, Project Associate, Rainforest Restoration Programme, Nature Conservation Foundation.
- 'Trees as Phytoremediators in Ecosystem Restoration'- by Prof. Dr. A.D. Sawant, President, National Society of the Friends of the Trees & Professor of Chemistry and Former Vice Chancellor, University of Rajasthan.
- 'An Approach for Mitigation of Dust and Noise Pollution Using Plant Species' by Dr. Nitesh Joshi, Associate Professor of Botany at Rizvi College of Arts, Science & Commerce.

Achievements of Students

- Ms. Anagha Santosh, (MSc Batch of 2020) qualified CSIR-NET (JRF) with AIR 7 in January 2022 in Life Sciences.
- Mr. Joel (MSc Batch of 2018) qualified CSIR-NET with AIR 11 in January 2022 in Life Sciences and GATE Examinations with AIR 78 in February 2022.

- Mr. Pranay Juwatkar, (MSc Batch of 2019) qualified the SET Examinations December 2021 in Life Sciences.
- Ms. Aasiya Khan (MSc Batch of 2017) qualified the GATE examination with AIR 243 in Life Sciences.
- Mr. Harsh Pant (MSc Batch of 2020) got selected for Ph.D. position in Banaras Hindu University in May 2022.
- Ms. Anagha Santosh (MSc Batch of 2020) got selected for Ph.D. position in University of Innsbruck, Austria in June 2022.

Internships and Training done by Students

- Ms. Alankrita Narayan, an FYBSc (Zoo-Bot-Chem) student did internship of one month from April 15th, 2022 to May 14th, 2022 at Wildlife Conservation Society, India (WCS-I) organization on a radio telemetry project at the Sanjay Gandhi National Park and adjoining areas.
- Ms. Anushka Agarwal of MSc-I completed the 'Online Internship for the Postgraduate Students' and worked on algal biofuels with IIT Indore Faculty Mentor Dr. Kiran Bala, Dept. of Biosciences and Biomedical Engineering, from February 12th – March 22nd, 2022.
- Ms. Aparna Mishra, an MSc-I student successfully completed her field internship between December 16th, 2021 to February 5th, 2022 at Planet Earth Foundation, India. She conducted field based biodiversity surveys at Panhala and Chandgad places of Kolhapur district, Maharashtra.
- Mr. Shubham Patkar and Ms. Aqsa Majgaonkar did an internship in the Botany department and Blatter Herbarium from April 15th–May 31st, 2022.
- MSc-I students namely Ms. Aleen Makasare, Mr. Shubham Patkar,

Ms. Tripti Pal, Mr. Harshwardhan Gupta, Ms. Aqsa Majgaonkar, Ms. Archana Gouda, Ms. Renisha Pinto, Mr. Keith D'souza did one day training on CAMAG HPTLC SYSTEM at Anchrome Enterprises (I). P. Ltd. Mumbai on May 23rd, 2022.

Faculty: Development Programmes, Training and Extension Activities

- Dr. Rajendra Shinde (Principal) was nominated by Vice-Chancellor to the Academic Council of Patkar-Varde College, Mumbai. He also served on the Board of Studies as Vice-Chancellor's nominee member of Patkar-Varde College, Mumbai and Nya Tatyasaheb Athalye Arts, Ved SR Sapre Commerce and Vid Dadasaheb Pitre Science College, Devrukh, Dist. Ratnagiri. Dr. R. D. Shinde was also on the Editorial Advisory Board of Journal of Economic and Taxonomic Botany (JETB).
- Mr. Alok Gude continued as Vice-Chancellor's nominee member of Botany Board of Studies of Bhavan's College, Andheri, Mumbai.
- Dr. Vijaya Lobo continued as a BOS member to Yashwantrao Chavan Institute of Science, Satara for the academic year 2020-2023.
- Dr. Rajdeo Singh successfully completed a 4-Week Induction/Orientation Programme for 'Faculty in Universities/Colleges/Institutes of Higher Education' from June 19th- July 18th, 2021 from Teaching Learning Centre, Ramanujan College University of Delhi under the aegis of Ministry of Education, Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching.
- Dr. Rajdeo completed a project on Geo-Tagging and Barcoding for all tree species in Kalina, Mumbai University campus from March to May 2021. He also did Flora documentation for Rapid

Biodiversity Assessment of Parali Range, Tansa Wildlife Sanctuary, Maharashtra with The Corbett Foundation, Mumbai in June 2021. He has empanelled with Chhattisgarh State Biodiversity Board and Wildlife and We Protection Foundation, Mumbai for two years starting from May 2022 to April 2024. Dr. Rajdeo is also conducting study of plants initiated by Vijnan Bharti, Mumbai from April 2022 under *Azadi ka Amrit Mahotsav*. The MSc students involved in the field study are Harshwardhan Gupta, Tripti Pal, Keith D'souza, Anuska Agarwal, Aqsa Majgaonkar and Shubham Patkar.

- Dr. Rajdeo Singh along with Mr. Alok Gude went for a preliminary field visit to Surgana Taluka, Nasik district in December 28th–30th 2021 for mapping of the existing forests, identifying the gaps between the forests that existed years back and now, and then accordingly planning the development and enhancement of the indigenous biodiversity and forest systems targeting self-sufficiency and self-reliance of tribal communities on one hand, and rejuvenating environment on the other hand.
- Mr. Saif Khan completed two week online interdisciplinary refresher course from April 15th-30th, 2022 organized by Teaching and Learning Centre in 'Advanced Research Methodology Tools And Techniques' organized by Ramunujan College, University of Delhi under the aegis of Ministry of Education and Pandit Madan Mohan Malviya National Mission on Teachers and Teaching.
- Mr. Saif Khan completed an online one week course from May 25th - June 1st, 2022 on Research Publications and Ethics organized by IQAC department of Patkar Varde College, Mumbai and sponsored by RUSA.

Mr. Alok Gude
In-charge Head,
Department of Botany

CHEMISTRY

In spite of the continuous onslaught of the Pandemic, the Department of Chemistry entered the academic year 2021-2022 with an element of creativity in its teaching and learning strategies, in consistency with the statement that creativity requires the courage to let go of certainties.

Dr. Abhilasha Jain attended a Faculty Development short-term online course on “E- Content Development” organised by UGC- Human Resource Development Centre, Gujarat University. Dr. Pralhad Rege attended a Faculty Development Workshop on “Chemistry- The Catalyst for Change” organised by Teaching Learning Centre, Ramanujan College in collaboration with the Department of Chemistry, Miranda House, University of Delhi.

The Department of Chemistry collaborated with Bajaj College of Science, Wardha, in conduction of a skill-based certificate course in “Industrial Wastewater Management” coordinated by Dr. Abhilasha Jain while Dr. Ashma Aggarwal, Dr. Pralhad Rege, Mr. Himanshu Gupta and Dr. Niraj Bahuguni served as resource persons for the same.

The Head of the Department, Mr. Marazban Kotwal, conducted “A Capacity Building Workshop” on 9th February, 2022 at Wilson College, Mumbai, to orient their faculty towards examination systems under Autonomy.

The faculty of the Chemistry Department published a total of four papers and an additional chapter in the academic year 2021-2022. A paper titled “Stability” was published by

Dr. Pralhad Rege, indicating Reverse phase high performance liquid chromatography (RP-HPLC) method for simultaneous determination of cefixime and ofloxacin from pharmaceutical dosage formulation in the World Journal of Pharmaceutical Research.

He also conducted a webinar on GLP and safety practices for Dapoli Urban Bank Senior Science College.

“Biosynthesis and characterization of carbon quantum Dots@CuS composite using water hyacinth leaves and its usage in photocatalytic dilapidation of Brilliant Green dye” was another paper published in Materials Chemistry and Physics by Dr. Abhilasha Jain.

Mr. Himanshu Gupta published two papers titled “Kinetic and thermodynamic studies of controlled oxidation of cinnamyl alcohol by potassium persulphate in acidic medium” in Asian Journal of Organic and Medicinal Chemistry and “Reaction kinetic of the controlled oxidation of perfumery cyclic alcohols using inorganic salt in acidic medium” in GP Globalize Research Journal of Chemistry. For the former, he was conferred the Best Presenter’s Award at The National Convention of Chemistry Teachers (NCC-2021) and International Conference On Recent Trends in Chemistry and Chemical Education (ICRTC & CE- 2021) on 28th December, 2021.

Moreover, he made an oral presentation in the 2nd International Conference on Science, Technology and Innovation, organised by Indian Academicians and Researchers’ Association titled “Kinetic and Thermodynamic studies

of controlled oxidation of industrially important alcohols” on 6th February, 2022.

In spite of following the hybrid mode of education, the Xavier’s Association of Chemistry conducted its regular activities under the leadership of Dr. Ashma Aggarwal. Several Webinars by eminent speakers were organised: “Metal Organic Frameworks” by Prof. Sujit K. Ghosh (IISER, Pune), “Molecules to Medicine” by Prof. Rodney Fernandes (IIT, Bombay) and “Sustainable Mobility” by Prof B.G. Fernandes (IIT, Bombay) during the Inter-collegiate Alchemia Festival 2022 which saw large participation and interaction between the students of several colleges pan-India.

A skill building workshop on Blog writing was conducted by Mr. Kyle Meyers, a student of Institute of Education, University College, London, to motivate students to develop an informal scientific writing rationale and equip them with the skill of blog writing in the field of scientific communication.

The Chemistry Department organised an interactive session to guide those aiming to study abroad. This was facilitated by the participation of alumni including Bivas Nag (Ludwig Maximilian University), Rushali Bhat (University of Bristol) and Anuja Sharma (Arizona State University).

Additionally, the department conducted a joint seminar for Teaching and Non-Teaching staff at St. Xavier’s Villa, Khandala from 30th April to 2nd May, 2022.

Mr. Marzban Kotwal,
Head, Department of Chemistry

COMMERCE (ARTS)

The year has been very fruitful and beneficial for the Department of Commerce (Arts Section). The following is the list of the research and co-curricular activities carried out this year:

1. Faculty Research:

This year Dr. Suvaiba Pirani presented and published the following academic paper: an online research paper titled "A Study on Reforms on Commerce Education" organised by ICRIE 2022 held at A. P. C. Mahalaxmi College for Women, Thoothukudi, a one-day International Conference on Education and Research: Reforms in the 21st Century on April 26, 2022. She was also awarded the best presenter award for the paper presentation.

Under the aegis of the Ministry of Education's Pandit Madan Mohan Malaviya National Mission On Teachers and Teaching, Dr. Suvaiba Pirani completed an online 2-Week Refresher Course in Commerce and Management from May 27th, 2022 to June 9th, 2022.

2. Students' Co-curricular Activity:

The department had organised the honours programme. A 5-day workshop, 'Management Lessons from Indian Mythology' was conducted for the students of honours of St. Xavier's College, Mumbai, from December 6th, 2021 to December 10th, 2021.

The workshop was conducted on the online platform with the due aid of Google Meet. A total of 35 students had registered for the program, who were assessed after each session based on heuristic assignments. The 10-hour session was divided into two hours of lectures over five consecutive days. The workshop aimed to inculcate the basic skill-sets that would convert them from hardworking individuals to smart-working individuals.

3. The Social Involvement Programme

The discipline-centric SIP for the Commerce Department is being conducted in collaboration with Seva Sahyog, an NGO which is based in Pune. Seva Sahyog Foundation, founded in 2009, works in the areas of elderly, underprivileged children, disabled, education, literacy, health, and nutrition. The NGO has provided two activities which are described as follows:

• Data Collection and Analysis

The theme for 2022 is an 'E-SCHOOL KIT' and the students of FYBA have to conduct a survey on 'EDZAM APPLICATION' which is an online platform provided by the Foundation to underprivileged children and check if they are having any difficulty while using the application. The volunteers have to phone the children from economically weaker sections of the society who have been provided with the application/memory card in their mobile phones through which they can access all their subject textbooks and can refer to videos too. The mode of communicating with the underprivileged students is in Hindi.

• Video Editing

The FYBA students who are not proficient in Hindi have been assigned another task of video editing, the details of which will be provided shortly by the Foundation.

There has been proper coordination among all the students and the NGO coordinator, Mr. Aniket while conducting the activity. There are a total of 36 FYBA students enrolled for this activity, out of which 7 will conduct the video editing task.

The students from SYBA performed various online activities for underprivileged children.

The Discipline Centric Activity was conducted for 5 hours. Some activities included *Conversation Dialogue Writing, Story Writing, Math Problem Solving, and YouTube Link Extraction*. All four activities were divided equally among all the students. The total number of candidates who had registered for the activity was 30.

4. About Commercium

Last year, Commercium, the Commerce Society of St. Xavier's College, Mumbai, conducted several different events and activities.

The team consisted of the following members:

Thinkbizz, Blog by Commercium:

The members conducted various webinars and workshops detailing the economic, political, social, and financial issues faced due to the pandemic and hybrid mode of teaching.

• An Insight into Investment Banking

Event Date: June 26th, 2021, Saturday

Event Type: Webinar

Platform: Zoom

Speaker: Mr. Muffazal Ariswalla

Event Summary

With the insights of our esteemed speaker, the event was successful in discussing a variety of subsections under the broad umbrella of the term "Investment banking". Initiating with demarcating the difference between a traditional banker and an investment banker, the

session moved on to delve into Mergers and Acquisitions, Capital Markets, Equity Capital Markets, Debt Markets, and so on. The speaker then shed light upon the nature of clients in investment banking, using Deutsche Bank as a model example. Furthermore, the changing dynamics of banking post the 2008 crisis were discussed. Moving on, our speaker gave us a glimpse into a typical day for a banker, and thus, he piqued our interest as well as gave a real-world picture to all those aspiring to be one. Lastly, the speaker laid out constructive steps for our undergraduate and graduate audience to work towards the journey of becoming an investment banker and beyond. In all, the enriching session was a value-add for the participants, and the first event was a huge success.

- **Cryptocurrency 101 : Decoding the Hype**

Event Summary

Considering the uproar of cryptocurrency in the market with limited access to people with knowledge about the same, this event was crucial for our participants to get the right knowledge from the appropriate resource person. Our speaker and our alumnus started the session right with the fundamental question, "What is a cryptocurrency?" Furthermore, the session elaborated on the historical background of cryptocurrency, like its origin, its jump into the mainstream, and its widespread popularity in a short span. Connecting on a personal level with our audience, the session touched upon how early investors can start their crypto journey. In addition, our speaker also shed light on topics such as mining, dollar-cost averaging, etc.

Lastly, the speaker answered all the questions from the audience and guided them towards the right awareness and knowledge. The Foundation Day Event was a huge success.

5. The Sustainability Summit

- **Wear to Care: A Sustainable Entrepreneurship Snapshot**

Event: Webinar

The Case Study Competition was launched.

Speakers: **Mr. Mishal Pardiwala & Mr. Mikail Pardiwala**

Event Summary

Wear to Care Webinar was an insightful journey of how an idea of contributing to the environment was churned and reformed into a successful business. The brother duo explained the journey right from the initial stages, shedding light on the challenges and risks that shaped their success story.

The Case Study Competition was launched at the end of the webinar. The case sent to the participants was a real-life case concerning **the Price Sponsorship Company, TreeWear**. The participants were given ample time to study the case and chart out their solutions in a 2-page report. The top 5 reports were shortlisted for the final round after the perusal of the judges based on criteria like creativity, applicability, research, originality, etc. The 3 winners were provided with a gift hamper and a certificate.

Event Poster:

Event Summary: The Corporate Sustainability Webinar with Mr. Tyagi focused on how sustainability thrives in corporate conglomerates. With the centre of discussion being the corporate giants, the session revolved around the measures and drives conducted for sustainability. The session also provided students with an understanding of what will be expected of them in the future if they wish to enter the corporate world.

6. Workshop on Personal Finance

Event Summary: Financial control is one of the most

important requirements for an individual. The event started with a brief discussion on the importance of financial planning. The speaker went on to describe her life story, how she spent her early twenties, and how she rose from an investment banker at JP Morgan in Australia to a lecturer at HR College. The webinar then delved deeper into understanding what exactly financial planning is. She defined the crucial nature of goals and the real meaning of savings and investment. She laid down the steps for making a financial plan. Furthermore, she put forward various instruments to meet short-term as well as long-term financial goals. The session gave valuable insights on NPS, liquid funds, and index funds. The Q/A session at the end was essential in clearing the doubts of the participants and also made the session interactive.

7. Pitch Tank: A Stock Pitch Competition



Event Summary

Commercium: The Commerce Society 2021-2022 organised the Annual Flagship Event of the Commerce Department, "Pitch Tank", from the **28th of February** to the **6th of March, 2022**.

With an influx of interest in the stock market amongst the current generation, a new breed of analysts has emerged with a whole new outlook on the market. To provide such stock savants with a platform to showcase their financial acumen and pitching skills, Commercium organised a webinar with **Mr. Amit Khandeparkar** as the esteemed speaker.

Mr. Amit laid down the foundation of stock pitching by answering the most basic question of stock pitching: why this stock? Mr. Amit went on to emphasise the significance of emerging market trends, the stage and maturity of the industry, and the regulatory environment scenario. All these factors exert a profound impact on the decision to pitch any stock.

For the analysis part of pitching, Mr. Amit focused on the importance of the competitive landscape, giving insights into certain industry jargon such as "industry moat" and "key industry drivers." Focusing on the key players in the market and taking into account the market share of the top 3-5 players are crucial pieces of advice that Mr. Amit imparted to the attendees. Another crucial aspect that Mr. Amit touched upon was the **product and management team**, and how imperative it was for analysts to consider the historical track record and stability of the management team leading the company. The quality of management is key in determining the performance of the stock in the long term.

Pitch Tank was conceptualised keeping in mind all the young investment geeks and enthusiasts who needed a platform to showcase their skills and market savviness. The event was organised into two rounds.

The first round was the **pitch submission**. Participants were required to select one stock for which they would prepare a two-page pitch report. The contesting teams had to justify a "strong sell," "hold," "buy," or "strong-buy" recommendation on any stock from the NIFTY 50 or BSE SENSEX basket. The analysis of stocks was restricted to just the fundamental variant. The top 5 teams, adjudicated based on the depth of research, quality of data, formatting, etc., advanced to the second and final round.

The second round was the final presentation to the judge, Mr. Amit, wherein the final five teams had to present a 10-minute presentation based on the previous report to justify their stance on the chosen stock. The winners were provided with a cash prize and certificates.

8. *ThinkBizz: The Official Blog of Commercium*

ThinkBizz: The Official Blog of Commercium, has only scaled new heights this year. The blog has not only rebranded itself thoroughly but also has new additions to it. The blog has continued to serve its very purpose of demystifying the dynamism of commerce for its viewers and has ceaselessly contributed to their learning.

• Jargon Reel

The Jargon Reel on Instagram was one of the easiest and most attractive ways to break down concepts into smaller parts and explain them to our audience. The reels were a hit among our readers, with an average of 300 views at least per reel.

• The Monthly Newsletter

The Monthly Newsletter provided the perfect read at the month's end with its compelling components such as "*Marketing Mavericks*"; "*Show up, Step up, Startup*"; "*Chutes & Ladders*"; "*For People, not Profit*"; and "*Policynomics*". The Newsletter also curated a special list of books for our audience under the section, "*The Reading Room*."

• Insightful Articles

The Blog Editors and Writers toiled relentlessly to present engaging, informative, and quality articles for the blog readers. We had everything for our readers to enjoy, from entrepreneurship to cryptocurrency, supply chain management to IPOs,

cyber security to workforce management.

• Mastering Money: Personal Finance

This Personal Finance component was the latest addition to our **ThinkBizz** blog. The write-ups focused on imparting basic yet necessary financial knowledge to the students, who were then expected to use this teaching to at least understand the financial jargon and concepts. This included topics like **debt, interest, understanding job offers, stock by stock investing**, etc.

• Weekly Market Briefs

The Weekly Stock Market Briefs were the substitutes we provided for those who weren't able to read or consume stock market-related data. The Stock Market Data was provided with Benchmark Indices and Major Headlines of the Week, which helped the reader get a holistic view of the market. Apart from that, the team also provided Crypto Updates of the week, thus balancing both the forms of investment and also catering to the curiosity of the crypto-investing audience.

9. **Fin-friend's Playbook**

The biggest feather in the cap of the team was **Fin-Fiend's Playbook: The Official Podcast of Commercium**. Starting right from the scratch, the team has worked tirelessly over the past 8 months to give the best auditory experience possible, which is enriching and knowledge-widening at the same time. The podcast was available on Spotify, iTunes, Stitcher, and much more. Being the premier and pilot year for the podcast series, the team has been successful in covering a range of interesting topics over the 5 episodes. The current team has set up the base for future teams to improvise and scale better heights in the upcoming years.

Our senior faculty member, Javeri Sir, retired on April 30, 2021, after completing more than 35 years of service. We wish him a happy and healthy retirement.

We are extremely proud to

carry out the department's work efficiently and effectively to reach an enhanced level. We also congratulate the students who have actively participated in Team Commercium this year. We, the department members, are

looking forward to the coming year eagerly.

Dr. Suvaiba Pirani
Assistant Professor In charge,
Department of Commerce
(Arts Section)

COMMERCE (B.COM)

The Academic Year 2021–2022 began on the backdrop of COVID-19, which led to a nationwide lockdown and, as per government mandate, the regular lectures for the B.Com commenced. The programme was conducted in the online mode and later, with relaxations, switched to hybrid mode. Although the year was strenuous, the commerce section worked with a 'no-compromise attitude.'

The following are some of the highlights of the academic year 2021–2022:

- An online orientation programme was conducted for the newly admitted F.Y.B.Com. students.
- In July 2021, a session on "*Stock Market and how it works*" was conducted by **Dr. Sanjay Parab** for the S.Y.B.Com. and T.Y.B.Com. students.
- On August 14th, 2021, a session on "*COVID Crises and Innovative Business Development*" was conducted by **Dr. Sanjay Parab** for the B.Com. students.
- On October 6th, 2021, a '*Gender Sensitization*' session was organised in collaboration with the *Women's Development Cell (WDC)* of our college via the Zoom platform, wherein more than 150 students participated.
- **Prof. Syed Shakeel Hussain** retired from the College on December 31, 2021, after 23 years of dedicated service as a Part-Time Assistant Professor.
- During the Academic Year 2021–2022, **Dr. Arvind Dhond**

published two research papers as a sole author in peer-reviewed ISSN numbered journals; (a) September 2021 entitled "*Legal Aspects of Business in India*", published in a Multidisciplinary Peer Reviewed Journal named "*Concept*", bearing ISSN (Print): 2394-8922 in Volume 4: Issue 4, published by **Smt. Maniben M.P. Shah Women's College, Mumbai**, and (b) March 2022, entitled "*The Effect of Social Media on Youth: Towards a Proactive Approach*", published in the National Journal of Research in Marketing, Finance & HRM, Pune, Volume: 7, Issue: 1, pp. 131-142, bearing ISSN (Print): 2455-5398.

In addition, **Dr. Arvind Dhond** also presented a research paper on April 12th, 2022 entitled "*Work-Life Balance*" at a national conference organised by **Kirti M. Doongursee College, Dadar**.

- **Mr. Clinton Patil, Mr. Sagar Itur, and Mr. Siddhesh B. Pilke** joined as administrative and support staff in the department.
- It was a proud moment when our alumni, **Mr. Ganesh Poojary's** name was flashed in **Forbes India Magazine**, which ranked him as one of the Top 100 Managers in India.
- The proposal to introduce **B. Com. (Accounting and Finance)**, a three-year integrated degree programme affiliated with the **University of Mumbai**, was approved by the **Board of Studies and Mumbai University**. This new programme will commence

from the start of the Academic Year 2022–2023.

- Coaching classes were conducted via online mode for the aspirants of competitive examinations such as UPSC and MPSC once a week across the academic year by **Dr. Jotiram Gaikwad** with the active support of **Dr. Joseph Rodericks**, who qualified for the Civil Service Examination in 2009 and was selected for the Indian Defence Estate Service.
- Even though the academic year began in an online mode, in the end, the end-semester examination was conducted in a physical model in March and April 2022. This provided an opportunity for the B.Com students to visit the college campus, and it was the first time that a few of the F.Y.B.Com and S.Y.B.Com students got an opportunity to visit the college campus and interact with teachers and colleagues. Overall, it was a transformation that the pandemic had brought to the online teaching and evaluation process.
- After having led the Commerce Section during the pandemic period as the Vice-Principal, **Dr. (Fr.) Conrad Pessa, S.J.**, handed over the charge to **Dr. Sanjay Parab** with effect from January 1st, 2022.

In brief, the academic year 2021–2022 was transformative, and the commerce section managed it successfully.

Compiled by **Dr Arvind Dhond**,
Department of Commerce

ECONOMICS

The Department of Economics in collaboration with King's College London and the Economics Club organised an **Informative Seminar on Foreign Universities** on 8th August.

A **'Two-day lecture series on Behavioural Economics'** by Prof. Sanjit Dhami from Leicester University and Dr. Rajat Kathuria, Dean of Shiv Nadar University was held on 20th and 21st September.

An **Interactive Session with Ms. Naomi Satam, AIR 162 UPSC 2020** was organised on 29th September, where she guided students about the UPSC.

A lecture series was held on **'securities Markets-A Foundation Module'** by **Mr. Hemant Chaudhari, Trainer at Libra Training** from 13th to 21st December.

A discussion on gender and financial inclusion, **'Women's Wallet'** was arranged by Ms. Mitali Nikore,

Economist and Policy Specialist, in collaboration with the Student's Inclusion Cell on 19th December.

Eco-Tambola: A game event that comprised a Tambola with an economic twist was held on 22nd December.

'Financing Healthcare in India' by **Dr. Samik Chowdhury** was conducted on 19th January with the **'Harris School of Public Policy, University of Chicago Session'**: in collaboration with Harris School of Public Policy to make the students aware of their Public Policy course.

On 12th February, a session was conducted on **'Economics of Climate Change- A perspective for India'** by Prof. A. Damodaran, who spoke about Environment Economics and climate change.

The Annual Lalit Doshi Memorial Intercollegiate Debate and The Annual Lalit Doshi Memorial

Lecture was conducted on 3rd and 4th March in collaboration with Lalit Doshi Memorial Foundation. The 27th Annual Lalit Doshi Memorial Lecture was given by Mr. Badri Narayanan Gopalakrishnan, the Head of Trade and Commerce at NITI Aayog. Mr. B. Gopalakrishnan digitally launched 'The Arthniti', the ISSN recognised research journal of the Department of Economics.

In February, 2022 The EcoSem team of the EcoCircle organised the **Annual Economics Seminar as well as National Seminar**. The theme for this year's Seminar was 'security'

Economics Declassified, Department of Economics newsletter reached 30,000 readers across the world. The Declassified team released about 40 articles and write ups, along with several illustrations and graphics.

Dr. Aditi Sawant,
Head, Department of Economics

ENGLISH

A (Transitional) English Tale

Transitions could have been the 'unofficial' theme for the Department of English in 2021-22 because we transitioned while oscillating from the online, to the lockdown and to the hybrid mode.

Dr. Pearl Pastakia, the Head of the English Department retired under the Voluntary Retirement Scheme on 31st May 2021. The prime of her life was spent in St. Xavier's where she was a student and transitioned into a faculty member. Her ability to regale her students and colleagues with her humorous stories is well-known. She was not only a conscientious teacher, but also an understanding colleague. An online farewell comprising students of yesteryears was organized in honor of Dr. Pearl. Following Dr. Pearl's retirement, Ms. Amrita Shenoy joined the Department of English and Dr. Rashmi Lee George took over as the Head of the English Department.

The Online Graduation Ceremony for the batch 2020-21 heralded the new academic year. Dr. Fleur D'souza the erstwhile Head of the History Department in St. Xavier's delivered the Commencement address and Ms. Jui Gune, the topper gave the Valedictory Speech.

An Online Interdisciplinary presentation was made on Frantz Kafka's *The Metamorphosis* through a literary and sociological lens by Dr. Rashmi Lee George from the Department of English and Ms. Ankita Gujar from the Department of Sociology and Anthropology respectively on 3rd August 2021.

Ithaka, the English Department's Journal, was released despite the pandemic. The theme for this year was *Viridescence* which roughly translates as 'being greenish.'

The Online International Collaboration titled *In Conversation*

with Globalization between the Department of English at St. Xavier's, University of Stuttgart Germany, Stellenbosch University, South Africa, University of Bergamo, Italy continued without any impediments. Four of our SYBA students namely, Mr. Dewansh Chauhan, Ms. Gauri Mande, Ms. Sakshi Nadkarni and Ms. Rachel Jacob participated alongwith their counterparts from our partnering institutions.

A series of guest lectures was organized at different junctures during the year. Dr. Udit Mitra from the Department of Sociology in Shri Shikshayatan College, Kolkata delivered a critically insightful lecture titled *Musically Unbound: Understanding Generational Conflict through Band Music* on 21st September 2021. Ms. Nitya Gundu from the Department of History at the National Law School, Bangalore gave a thought-provoking lecture on *Ideologies of*

Imperialism on 29th January 2022. Mr. Ojas Chaudhari, a Master's student at Dublin City University, Ireland led an interactive session with the students where he spoke on *English Language Teaching and Global Careers* on 11th March 2022.

Litreat: For the love of Literature held from 25th to 28th April was our swan song in the lecture-series of 2021-22. It was an assortment of lectures from diverse fields. Dr. Siddhartha Biswas, Head, Department of English, University of Calcutta an expert on theatre delivered a scintillating lecture called *Configuring the New Nation: Theatre in Postcolonial India*. Dr. Surbhi Malik from the Department of English at Creighton University, USA enthralled us with her lecture titled *Ruins, Renewal and Form in Post-9/11 South Asian Literature*. Ms. Priya Joseph from the Department of English, Mithibai College, Mumbai gave an engaging lecture on *The Impact*

of Gabriel Garcia Marquez's Magical Realism on select Malayalam Novelists. Our desire for inter-disciplinary collaboration enabled us to invite Dr. Manasi Kanuga from the Department of Life Science and Biochemistry to give a lecture titled '*Tales from Latin America*.'

The Ayan Dixit Memorial Prize was awarded to two students whose poems were adjudged the best among the forty-one entries that were received from our diverse student-body at St. Xavier's. Ms. Mehak Singh from SYBSc and Ms. Krishna Sawant from TYBA (English) stood first and second respectively.

The Xavier's English Association (XEA) was the backbone of support in every activity that was organized by the English Department. Further, they organized a games night centred on Harry Potter (with events such as pictionary, guess the character and

a quiz); a book discussion on the contemporary Irish novel, *Normal People* by Sally Rooney; a screening of the film, *Knives Out* and an acting workshop conducted by ex-alumnus, Gouri Bhuyan. May I place on record my gratitude to the leaders of the XEA Shruti Swaminathan (TYBA English), Merlin Ajayan (TYBA English), Krishna Sawant (TYBA English), Anushka Dey (SYBA), Ishika Bhingarde (SYBA) and their team.

Warmest thanks to my colleagues Dr. Prasita Mukherjee and Ms. Amrita Shenoy whose unstinting support saw the Department through this transitional year. I am grateful to the support from the Principal, the Management and every wing of our institution.

Dr. Rashmi Lee George
Head, Department of English

FRENCH

In the year 2021-22 for a major part of the academic year with the COVID pandemic and the lockdown situation, online teaching and hybrid teaching continued to be a new learning experience in many ways for both the staff and the students. Along with online teaching even the department activities organised were on different online platforms.

The department organised a French Day celebration to commemorate storming of the Bastille on 14th July with a short quiz on France and a few songs in French. The French syllabus has a module on sous titrage

or subtitling. Dr. Ujjwala Joglekar, Professor, Head of Department of French, Savitribai Phule Pune University shared her expertise with our students on 'sous-titres des chansons dans les films: défis et limitations' (subtitling songs in films challenges and limitations').

Ms. Alpana Palkhiwale attended various webinars and online workshops organised by IFI Institut Francais en Inde, The first of the sessions was in the month of June 2021 a training session in the methodology of French for specific purposes (Français sur Objectifs

Spécifiques - FOS). In the month of October 2021 a session on How to handle large classes while teaching a foreign language was conducted by IFI. The techniques learnt were put into practice in the classroom.

Thus in the academic year 2021-22 it was a novel experience for the students to learn and appreciate French language and culture on an online platform. Looking forward to meeting our students in person in classrooms.

Ms. Alpana Palkhiwale
Professor in charge,
Department of French

GEOLOGY

The hybrid mode of teaching in 2021-22 provided a unique opportunity to the students and the faculty to explore various workshops, virtual trainings and programmes simultaneously with regular academics. This year has many success stories from students as well as the faculty. Mr. Megh

Kanvide (TYBSc), one of the five undergraduate students who cleared JAM 2022, secured AIR 3. Three postgraduate students cleared GATE 2022. Ms. Rithika D'souza (Faculty), secured first position in 'DELFI ISC' organized by Schlumberger on 22nd June, 2021. Students participated in

competitions organized by various institutions and have come out with flying colours. Ms. Gauravi Patil (SYBSc) won the first and the third prize in the Virtual Scavenger Hunt and Wordzee Competition respectively under OLEUM 22 organized by the Nowrosjee Wadia College, Pune. She

was also the 2nd runner up in the '2021 ESRI India Storytelling with Map' contest. Students also attended workshops and training sessions organized by institutions all over the country without being constrained by the limitations of physical travel. Ms. Anupama Augustine (MSc 2) participated in a virtual workshop on 'Trace Elements in Aquatic Systems' organized by IISER, Pune on the 29th and 30th of October, 2021. Ms. Shalini Saikia (MSc 2) participated in a training course on 'Groundwater Quality Monitoring and Assessment' organized by CSIR-NGRI, Hyderabad between 14th and 25th February, 2022. Mr. Samyak Jain (MSc 2) attended a virtual workshop on 'GIS for River Mapping' from 26th to 28th May, 2022 organized by the GISE Hub at IIT Bombay.

Dr. Ashwin Pundalik participated in a virtual 'Refresher Training on the Concepts of Quaternary Mapping' organized by the RTD, GSI, CR, Nagpur during the period 31st May to 4th June, 2021 and also in a refresher course on Earth, Water and Environment - Issues, Concerns and Way Forward' organized by the UGC-HRDG Savitribai Phule Pune University from 12th to 25th February, 2022. Mr. John D'souza completed a two week interdisciplinary online refresher course on 'Research Methodology' organized by Teaching Learning Centre, Ramanujan College and University of Delhi under the aegis of Ministry of Education - PMMNMTT. Ms. Vaishnavi Salvi attended a refresher training course on 'sedimentary Mapping in Satpura Gondwana Basin' from 6th June to 10th June, 2021 and an e-training on 'Critical and Strategic Minerals' from 27th September to 1st October, 2021, both organized by the RTD, CR, Geological Survey of India Training Institute, Nagpur. Dr. Bobby Mathew attended a five day online Faculty Development Programme conducted by BMCC-IQAC and RUSA, Maharashtra on 'Confluence of Revised Guidelines of IQAC-NAAC to Autonomy' from 29th May to 3rd June, 2021 and a Faculty Development Programme on 'Understanding Geodiversity and

Geoheritage' conducted by HRDC in collaboration with Panjab University, Chandigarh from 22nd to 28th February, 2022.

Our faculty members have been invited to share their knowledge and expertise in a variety of events held nationwide. Dr. Hrishikesh Samant conducted a session on 'Monitoring Environmental Issues through Remote Sensing' at an Online Faculty Induction Programme conducted by the UGC- HRDC University of Mumbai. Dr. Ashwin Pundalik was a guest faculty and course mentor for 'Training Course in Conservation-Restoration of Stone Sculptures and Objects' organized by Tata Trust's Art Conservation Initiative & Himalayan Society for Heritage and Art Conservation, Nainital, Uttarakhand. Dr. Hrishikesh Samant and Dr. Ashwin were also resource persons for the workshop titled 'Research Journal Publishing: Procedures and Logistics' conducted by the Xplore Research Journal team, St. Xavier's College. Dr. Pundalik also conducted an in-house training on 'Mineral Optics and Petrography', for the Stone Art conservators and staff at Art Conservation, Training and Research Centre, Chhatrapati Shivaji Maharaj Vastu Sangrahalaya, Mumbai. He also delivered a guest lecture on 'महाराष्ट्रातील किल्ल्यांचे भूशास्त्र' organized by Maharashtra Vruksha Samvardhini, Pune on 21st February, 2022. Dr. Ashwin was a panelist in the discussion on 'symbolism on Stone: Research & Preservation of Indian Rock Art' organized by IISER Mohali, Center for Heritage Conservation-CEPT University, Ahmedabad and Directorate of Archaeology and Museums, Maharashtra on 9th April, 2022. Dr. Bobby Mathew delivered a talk on 'Transformation of Water as the Lifeblood of Forts to a Weapon of Modern Warfare' at the refresher course organized by UGC-HRDC, Savitribai Phule Pune University on the 23rd of February, 2022.

Our faculty members have also participated in conferences throughout the year. Dr. Bobby Mathew presented a research paper titled, 'Impact of Sea-level Rise on Seawater Intrusion in

Coastal Groundwater Systems' at the International Symposium and 'Leaving No One Behind: Water & Inequalities' Part 2 on the 8th of October, 2021. On April 26th and 27th of 2022, Dr. Ashwin Pundalik presented a paper at the National Conference on Resource Potential of Sedimentary Basins and 37th Convention of Indian Association of Sedimentologists organized by the Department of Geology, Jammu University. Mr. Eshan Pansare presented a poster titled 'Petrographic Analysis of Oligocene Carbonates of Kachchh Basin' at the 28th ICMS organized by the Department of Environmental Science, SPPU, Pune. Dr. Shweta Patil was the secretary for the 28th ICMS organized by the Department of Environmental Science, SPPU, Pune.

The department also arranged a few interactive sessions for the students. A Summer Research Program in 'Carbon Capture and Storage (CCS) in context with Carbon Sequestration' was held for the undergraduate and postgraduate students under the guidance of Prof. Soumyajit Mukherjee, Department of Earth Sciences, IIT Bombay. An interactive workshop on 'Competitive Exam Preparation: Strategies and Tips' with a special emphasis on IIT-JAM (Geology) was conducted by Mr. Megh Kanvide (TYBSc).

Besides the teaching and research activities, our faculty members are also associated with various committees. Dr. Hrishikesh Samant continues as the Vice Principal (Science) and is also a subject expert on the Board of Studies (BOS) in Parvatibai Chowgule College of Arts and Science (Autonomous), Goa. Dr. Pravin Henriques is the Chairman of the Board of Studies (Geology) at the University of Mumbai. He is also a member of the Managing Committee in Research and Recognition in Geology at the University of Mumbai and a part of the research Advisory Board of the Gemological Institute of India.

Ms. Rhea Fernandes
Faculty, Department of Geology

हिंदी विभाग

अतिथि व्याख्यान (Guest Lecture) :

हिंदी-विभाग द्वारा दि. ११-०२-२०२२ AHIA0402 Mass Media And Communication प्रश्नपत्र के अंतर्गत ऑनलाइन माध्यम में फिल्म : पटकथा लेखन एवं संवाद लेखन शीर्षक पर अतिथि व्याख्यान का आयोजन किया गया। अतिथि व्याख्याता डॉ. आशा नैथानी दायमा मैडम ने हमारे विद्यार्थियों का मार्गदर्शन किया और विद्यार्थियों के प्रश्नों के उत्तर दिए। साथ ही उन्होंने पिछले वर्ष की हिंदी पत्रिका 'अंकुर' का विमोचन भी किया।

ऑनर्स प्रोग्राम (Honors Programme):

हिंदी-विभाग द्वारा दिनांक १३ और १५ मार्च २०२२ को १५ घंटों का ऑनर्स प्रोग्राम 'चित्रकला एवं व्यंग्य चित्रकला' शीर्षक पर आयोजित किया गया। पहले सत्र में श्रीमती अनिता तुमुलवार (उशेकवार) ने 'चित्रकला' की बारीकियों पर हमारे विद्यार्थियों का मार्गदर्शन किया। दूसरे सत्र में प्रसिद्ध व्यंग्य चित्रकार श्री क्लाइड क्रास्टो ने 'राजनैतिक व्यंग्य चित्रकला' पर हमारे विद्यार्थियों का मार्गदर्शन किया। ऑनर्स प्रोग्राम के तीसरे सत्र में श्री संजय निगम, निदेशक, हिंदुस्तानी प्रचार सभा, मुंबई द्वारा हमारे विद्यार्थियों का मार्गदर्शन साहित्यिक व्यंग्य विधा पर 'ऑनलाइन मोड' में किया गया। इस कार्यक्रम में सभी विषयों के कुल १८ विद्यार्थियों ने भाग लिया।

रोजगारपरक अतिथि व्याख्यानमाला (Career Guidance Lecture) :

दिनांक १/१२/२०२१ को हिंदी विभाग द्वारा सभी विषयों के विद्यार्थियों के लिए एक रोजगारपरक कार्यक्रम का आयोजन किया गया। इस कार्यक्रम में हिंदी

दैनिक समाचार पत्र 'दैनिक भास्कर' की प्रतिनिधि महोदया द्वारा हमारे विद्यार्थियों को प्रशिक्षुता के संदर्भ में जानकारी प्रदान की गई। जिसमें उन्होंने स्नातक पास विद्यार्थियों के लिए रु. ३०,००० प्रति माह छात्रवृत्ति/मानधन प्रदान करने की सूचना दी।

समाज सेवा कार्य (Social Involvement Programme) :

हिंदी विभाग द्वारा SIP के अंतर्गत सभी विषयों के विद्यार्थियों के लिए जिन ४ (चार) प्रकार की गतिविधियों का क्रियान्वयन किया जा रहा है, उनका विवरण इस प्रकार है -

- आज़ादी की ७५वीं वर्षगांठ मनाने तथा राष्ट्र निर्माण में हमारे देश के वैज्ञानिकों के योगदान को रेखांकित करने के उद्देश्य से हमारे महाविद्यालय के ७५ विद्यार्थी भारत के सौ से अधिक वैज्ञानिकों की जीवनियों का एक संग्रह पुस्तक के रूप में आई.एस.बी.एन. नंबर के साथ प्रकाशित करने जा रहे हैं। वैज्ञानिकों की जीवनी संग्रह के प्रकाशन हेतु महाराष्ट्र राज्य हिंदी साहित्य अकादमी, मुंबई द्वारा हिंदी विभाग को रु. ४५,०००/- मात्र की अनुदान राशि प्रदान की जा रही है।
- हमारे विद्यालय के ३० विद्यार्थी सामाजिक-आर्थिक रूप से उपेक्षित वर्ग के विद्यार्थियों के लिए एक अंग्रेजी-हिंदी शब्दकोष का निर्माण कार्य कर रहे हैं। इस शब्दकोष को आई.एस.बी.एन. नंबर के साथ प्रकाशित करने में 'हेरास इंस्टीट्यूट' हमारी आर्थिक सहायता कर रहा है।
- हमारे महाविद्यालय के बीस विद्यार्थी दृष्टिबाधित (दिव्यांग) विद्यार्थियों के

लिए पाठ्यक्रम में लगी पुस्तकों की श्रव्य माध्यम में रेकॉर्डिंग का कार्य कर रहे हैं।

- हमारे महाविद्यालय के कुछ विद्यार्थी दिव्यांग विद्यार्थियों से संबंधित स्कूलों के बारे में जानकारी एकत्रित कर रहे हैं।

हिंदी विभाग तथा महाराष्ट्र राज्य हिंदी साहित्य अकादमी के संयुक्त तत्वाधान में आज़ादी का अमृत महोत्सव मनाने के उद्देश्य से एक अंतर महाविद्यालयीन कविता पाठ प्रतियोगिता आयोजित की गयी। इस कार्यक्रम में दिनांक १८/२/२०२२ को जूनियर कॉलेज, डिग्री कॉलेज तथा एम. ए. के विद्यार्थियों के लिए तीन अलग-अलग श्रेणियों में विद्यार्थियों को प्रथम, द्वितीय तथा तृतीय पुरस्कार प्रदान किए गए। प्रथम स्थान प्राप्त करनेवाले विद्यार्थी को रु. १५००/-, द्वितीय स्थान प्राप्त करने वाले विद्यार्थी को रु. १००१/- और तृतीय स्थान प्राप्त करने वाले विद्यार्थी को रु. ८००/- नकद राशि प्रदान की गयी। इस प्रतियोगिता में निर्णायक की भूमिका डॉ. आशा नैथानी दायमा तथा श्री हृदयेश मयंक ने निभाई।

- आज़ादी के अमृत महोत्सव के उपलक्ष्य में दिनांक २६/२/२०२२ को डॉ. भगवती प्रसाद उपाध्यायने पुणे स्थित कोइनोनिया चिल्ड्रेन्स होम, चिंचवड को ७५ हिंदी की पुस्तकें उपहार स्वरूप प्रदान कीं।
- दिनांक ३०/४/२०२२ को डॉ. भगवती प्रसाद उपाध्याय ने प्राध्यापक आलोक गुडे के साथ मिलकर शास्त्री नित्य गोपाल कटारी की 'देख प्रकृति की ओर' तथा 'जल ही जीवन है' कविताओं का वनस्पति शास्त्रीय अनुशीलन शीर्षक पर एक अंतरानुशासनीय शोध प्रपत्र समीचीन नामक पत्रिका में प्रकाशित किया।

- डॉ. भगवती प्रसाद उपाध्यायने दिनांक २२/०८/२०२१ को **आधार ग्लोबल फाउंडेशन, ठाणे** द्वारा आयोजित अतिथि व्याख्यान में **हिंदी में रोजगार की संभावनाएँ** शीर्षक पर विद्यार्थियों का मार्गदर्शन किया।
- आज़ादी की ७५वीं वर्षगांठ पर हिंदी विभाग द्वारा दिनांक १६/२/२०२२ को कविता लेखन एवं निबंध लेखन प्रतियोगिता का आयोजन किया गया। दिनांक १७/२/२०२२ को स्लोगन लेखन तथा पोस्टर निर्माण प्रतियोगिता का आयोजन किया गया।
- दिनांक १३/२/२०२२ को **मुंबई प्रांतीय राष्ट्रभाषा प्रचार समिति** द्वारा पुस्तक विमोचन का कार्यक्रम आयोजित किया गया। इस कार्यक्रम में समाजसेविका एवं लेखिका श्रीमती अलका पांडे की पुस्तक **गालियाँ** की समीक्षा डॉ. भगवती प्रसाद उपाध्याय द्वारा प्रस्तुत की गयी।

विशेष उपलब्धियाँ (Special Achievements):

- दिनांक १४/९/२०२१ को अजय खर्ब बी.ए. (प्रथम वर्ष)ने बी.एम.

रुइया गर्ल्स कॉलेज द्वारा आयोजित अन्तरमहाविद्यालयीन ऑनलाइन कविता पाठ प्रतियोगिता में **प्रथम स्थान** प्राप्त किया।

- दिनांक १४/९/२०२१ को अजय खर्ब बी.ए. (प्रथम वर्ष)ने एस.आई. ई.एस. कॉलेज द्वारा आयोजित अन्तरमहाविद्यालयीन ऑनलाइन कविता पाठ प्रतियोगिता में **प्रथम स्थान** प्राप्त किया।
- दिनांक १७/९/२०२१ को अजय खर्ब बी.ए. (प्रथम वर्ष)ने एम.एम. पी. शाह वीमेंस कॉलेज ऑफ आर्ट्स एंड कॉमर्स (स्वायत्त) द्वारा आयोजित अन्तरमहाविद्यालयीन ऑनलाइन कविता पाठ प्रतियोगिता में **प्रथम स्थान** प्राप्त किया।
- दिनांक १८/२/२०२२ को अजय खर्ब बी.ए. (प्रथम वर्ष)ने संत जेवियर कॉलेज, मुंबई द्वारा आयोजित अन्तरमहाविद्यालयीन ऑनलाइन कविता पाठ प्रतियोगिता में **प्रथम स्थान** प्राप्त किया।
- दिनांक २८/२/२०२२ को रिया थॉमस बी.ए. (प्रथम वर्ष)ने साठचे कॉलेज, मुंबई द्वारा आयोजित पुरस्कार

समारोह में पोस्टर प्रतियोगिता में **तृतीय स्थान** प्राप्त किया।

- दिनांक २८/२/२०२२ को शीर्षा रॉय बी.ए. (प्रथम वर्ष)ने साठचे कॉलेज, मुंबई द्वारा आयोजित पुरस्कार समारोह में ऑनलाइन पोस्टर प्रतियोगिता में **द्वितीय पुरस्कार** प्राप्त किया।
- दिनांक १७/२/२०२२ को हर्षनी पी. आर. बी.ए. (प्रथम वर्ष)ने साठचे कॉलेज, मुंबई द्वारा आयोजित पुरस्कार समारोह में ऑनलाइन पोस्टर प्रतियोगिता में **तृतीय पुरस्कार** प्राप्त किया।
- दिनांक १७/२/२०२२ को एंड्रिया फर्नांडीस बी.ए. (प्रथम वर्ष)ने साठचे कॉलेज, मुंबई द्वारा आयोजित पुरस्कार समारोह में ऑनलाइन पोस्टर प्रतियोगिता में **प्रथम पुरस्कार** प्राप्त किया।
- दिनांक २८/२/२०२२ को केइरा रूथ लोबो बी.ए. (प्रथम वर्ष)ने साठचे कॉलेज, मुंबई द्वारा आयोजित पुरस्कार समारोह में ऑनलाइन निबंध लेखन प्रतियोगिता में **द्वितीय पुरस्कार** प्राप्त किया।

डॉ. भगवती प्रसाद उपाध्याय
हिंदी-विभाग

HISTORY

Each year, in keeping with the commitment to provide the students with learning experiences that go beyond the classroom, the Department of History organizes several field visits, guest lectures and other extra-curricular activities for a holistic learning experience. Various activities were undertaken this year as well for the benefit of the students. We congratulate them for their efforts and for winning accolades in various extracurricular activities like in the academic year 2021-22.

The first event was **In Conversation with Prof. Michael Wood and Rebecca Dobbs** on 21st December 2021 wherein we organised a virtual interview with the renowned English historian and broadcaster Prof. Michael Wood and Multi-award-winning filmmaker Rebecca Dobbs.

Among students' achievements, there were:

- **Talentflux: Research Paper Presentation Competition of**

NES Ratnam College in Bhandup on 25th September 2021.

- **Funny Footprints:** Meme-making competition of History Association of Jai Hind College.
- **Annual Maritime Conclave organised by Maritime History Society of India** on 27th of November 2021.
- **Mudra 2022: Ramnarain Ruia College's Department of History Fest** on 4th February 2022.

Faculty report:

i. Mr. Arun Singh

a. Publications:

1. A Coursebook authored by Mr. Arun Singh for the TYBA students of the Centre for Distance Education at SNTD University was published by the University. "The coursebook was titled "Development of Travel and Tourism in India".

b. Invited Lectures:

1. Resource person for a National level workshop on NET/ SET and Competitive exam guidance, the workshop was organized by department of History University of Mumbai, on September 25th, 2021.
2. Resource person to deliver an online lecture on "Non-Alignment Movement" the lecture was organized by the Department of History, Satish Pradhan Dnyanasadhana College, Thane, on October 10th, 2021.
3. Resource person to deliver an online lecture on "The Constitution and the Preamble of India" on the occasion of Constitution. The lecture was organised by the NSS unit of Vivekanand education society's college of Arts, Science and Commerce (Autonomous) Chembur, Mumbai on November 26th, 2021.
4. Resource person to deliver an online lecture on "MPSC and UPSC exam preparation". The lecture was organised by Swaym Siddhi Mitra Sangh's Night Degree College, Bhiwandi, on December 8th, 2021.
5. An online guidance lecture to the TYBA students of L.S. Raheja College, Santacruz. The topic of the lecture was "The History of Contemporary India from 1984 to 2000" January 29th, 2022.

6. An online lecture on "Swami Vivekanand a historical perspective". The lecture was organised by the IQAC, National Service Scheme and Department of Lifelong Learning and Extension of the S.E.M.T's M.B. Harris College of Arts and A.E.Kalsekar College of Commerce and Management Mumbra, Thane on February 4th, 2022.

7. A panellist in a panel discussion on "Sustainable Development Goals" organized by the History Department of Ramnarain Ruia College, Matunga on February 5th, 2022.

8. An online guidance lecture on "Career opportunities in History". This lecture was organised by the department of History, SST College of Arts and Commerce, Ulhasnagar on February 16th, 2022.

c. Workshops / conferences attended:

1. Participated in an online faculty workshop titled 'Planning a Budget' held on August 6th, 2021 organised by IQAC, St. Xavier's College.

2. Participated in a series of workshops on "Teaching Value Education" the workshops were conducted on January 5th, 12th and February 9th, 16th 2022.

ii. Dr. Avkash Jadhav

a. Conferences / Seminars / Workshops

1. Invited as the Chief Guest for the lecture on 'Dr. Babasaheb Ambedkar's Practical Approach to Current Economic Problems', organised by Vikram University, Ujjain, Madhya Pradesh, as part of the Dr. Ambedkar Memorial Lecture Series, on February 4th, 2022.

2. Delivered an address on 'The Empirical Approach of Dr. Ambedkar's Economic

Thoughts and its Sustainable Application in Contemporary Society.

3. Invited as a Resource Person to deliver a lecture on Environment as Heritage of Mumbai and its Tourist Potential for the online certificate course on Tourism and Heritage of Mumbai, conducted by the Department of History, Guru Nanak Khalsa College, Mumbai on February 3rd, 2022.

4. Invited as the Keynote Speaker for the International Webinar on 'Let us Learn from Gandhi' organised by V.K. Krishna Menon College of Commerce & Economics, Sharad Shankar Dighe College of Science, and Centre of Gandhian Studies and Action as part of Ahimsa Week (January 12th-31st, 2022), on January 28th, 2022. Delivered the Keynote Address on Gandhi and Environmental Responsibilities.

5. Invited to speak on Swami Vivekananda's Vision and Mission at the 15th International Youth Conference on 'Transforming the World: Youth in Civic and Global Action', organised by the Centre for Urban Studies, The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat; Vivekananda Rock Memorial and Vivekananda Kendra, Kanyakumari, Tamil Nadu and KAASH Foundation's Centre for Academic and Professional Development (CAPD), on January 12th, 2022.

6. Invited speaker for the Valedictory Session of the National Webinar Series on 'Azadi Ka Amrit Mahotsav: Bhasha, Sahitya aur Samaj (Kavyapath, Charcha evam Samvaad)', organised by Expressions in Languages and Arts Foundation, Lucknow, on October 2nd, 2021.

7. Invited as a resource person to speak on Casteism and its issues by IEEE SPIT – the student branch of IEEE Global for Sardar Patel Institute of Technology, on August 17th, 2021.
8. Invited as a Special Guest to speak on Twisting Kaleidoscope of Indigenous Communities: Challenges for Sustainability at the 14th International Conference on ‘Indigenous Peoples: Challenges of Validation and Inclusion’ on August 9th and 10th, 2021.
9. Convenor for the 19th, 20th and 21st Health Webinar, 12th and 13th International Symposium on Yoga organised by the Central Council for Research in Yoga and Naturopathy (CCRYN), Ministry of AYUSH, Government of India.
10. Invited as a speaker on Emotional Management

through Yoga at the Inauguration of the International Yoga Week, organised by the Central Council for Research in Yoga and Naturopathy (CCRYN), Ministry of AYUSH, Government of India on June 15th, 2021.

11. Invited as Speaker on The Ancient Wisdom of Self Quest at the online International Yoga Day 2021 event, organised by Arogya Yoga and Naturopathy Institute, Maharashtra, on June 15th, 2021.
12. Invited as Speaker on Initiatives to Promote and Protect Ecosystems for Sustainable Development at the 11th International Symposium on ‘Reimagining, Recreating and Restoring our Ecosystems: The Way Forward to a Sustainable Environment’, organised by the United Nations Environment Programme (UNEP) on June 5th, 2021.

b. Achievement:

1. Completed the Youth Run, organised by Champion Fitness, on January 21st, 2022. Covered 5 kilometres in 1 hour 33 minutes. Participated in the World Heritage City Lab organised by the World Heritage Cities Programme (UNESCO) on December 16th and 17th, 2021.
2. Certified as the Guardians of the Mangroves by the Mangrove and Marine Biodiversity Conservation Foundation of Maharashtra for planting a mangrove tree in the coastal belt of Maharashtra, on July 26th, 2021

Some of the Outreach Efforts undertaken by the Department of History were Indigenous Communities of Dharavi Bet & Vasai-Virar; BDD Chawls: The Unwritten History of Bombay; Documenting Oral History of Partition; History of Theatres: From Single Screen to Multiplex; Peshwa Architecture; Challenges Faced by tourists.

Dr. Avkash Jadhav
Head, Department of History

INFORMATION TECHNOLOGY

The academic year started with organizing the BSc.IT and MSc. BDA entrance exam which was successfully conducted in the online mode. It was the first year of the entrance exam for the First Year BSc.IT aspirants. In spite of the first half being conducted in the online mode, the course adopted a hybrid approach for the even semester along with the rest of the college. Amidst various challenges, it was the cooperation and coping mechanism of the faculty that helped in the mixed mode of classroom teaching methodology.

Graduation ceremony

Despite the pandemic, the St. Xavier’s College, IT department in Mumbai took the initiative and hosted a virtual Graduation Ceremony for the graduating students of the year 2021. The convocation for students of B.Sc. IT was held on June 17th, 2021, while the first graduating batch of M.Sc. BDA students had their

convocation on August 28th, 2021. The chief guest for the undergraduate graduation program was **Dr. Hiren Dand** (Member, Adhoc BoS in IT, University of Mumbai and Various Autonomous Colleges) from the MCC College, Mulund and the chief guest for the post graduate graduation program was **Padma Shri Bimal Kumar Roy** (Chairman, National Statistical Commission, Government of India and Professor, Indian Statistical Institute, Kolkata). The celebration included reminiscing about their previous years as well as congratulating the academic winners. Parents attended the event and expressed their appreciation to the college for organizing such a celebration to commemorate the completion of the degree certification. The creatives team who put together this wonderful event included the faculty member **Ms. Lydia Fernandes** and the students: **Elisha Cherian** (SY), **Dipti Karkera** (TY), **Anshika** (TY),

Prerna Shinde (TY), **Sherin Kataria** (TY) and **Mahak Bajaj** (TY).

Panel Discussion

June 26th, 2021, an online Panel discussion on “Revolutionary role of AI/ML and Statistics in Transforming the World”, was jointly organized by the **Statistics and Information Technology** department of St. Xavier’s College under the aegis of DBT Star (Status) Scheme. The Panel was composed of Professor Siby Abraham (NMIMS), Dr. Sitarama Brahmam (TCS), Mr. Debjyoti Paul (Amazon Ads) and Ms. Anagha Bhatkhande (IQVIA Clinical Research Organization). The panel discussion was moderated by Ms. Lydia Fernandes, faculty of the IT Department.

Honors Programme / QEP

This year the IT department held two well-known courses: “Internet of Things” and “MS Excel Essentials.”

St. Xavier's College Autonomous, Mumbai, offers an Honors Programme to assist students in reaching new heights of achievement by learning from various academic subjects. A total of 12 students participated in this programme, with 10 from the IT department, one from physics, and one from economics and statistics. **Ms. Vimala Rani** conducted the Internet of Things course from November 10 through December 18, 2021. This course helped the students understand what exactly is IoT and how the network facilitates in our day-to-day lives. The students were given the option to create a live or virtual model at the conclusion of this programme, to illustrate their learning. An Automatic Soap Dispenser, built by **Crystal Diana Karkera** from **SyBSc-IT**, was one such project. The soap dispenser in this design pumps out soap when a person's hand is detected by a sensor, preventing contact with the dispenser. The second course, "MS Excel Essential," was delivered by **Mr. Ashish Deora** from December 11, 2022, to January 29, 2022. It covered how to use Excel effectively to create tasks that one might confront both professionally and individually. 27 students participated in the programme, of which 5 were from the BMS, 13 were from science, and 9 were from the arts. **Prof. Subhash Kumar** organized both of the courses, which carried two credits each.

Social Involvement Program

Students of **FYBSc.IT** did their discipline centric SIP at the Xavier's Knowledge Centre. Their job was to salvage old computers from the lab so that it could be reused by those who are less fortunate. These machines were given a fresh lease of life by our students and were shipped off to Nandurbar where Fr. Wendyl put them to good use for the underprivileged community over there. This SIP was carried out under the guidance of Prof. Aaron Johns.

RUSA Mentor - Mentee Program

On August 23rd, 2021, a total of 25 students of the BSc.IT course from Vijayalakshmi Vishwanath Dalvie College, Sindhudurg had attended an online session as part of project orientation for the final year BSc.IT project along with a Q&A on career

opportunities (MSc., NLP, Data scientist, Big Data). The resource Person for this session was **Prof. Lydia Fernandes** from St. Xavier's College. The students were provided instructions on how to approach projects in the AI field. With some project examples, the session included discussion on points for project commencement, such as topic selection and resources. The session was attended by two Dalvie College faculty members. The program's video was offered for documentation purposes and student reference. **Prof. Subhash Kumar** provided continuity to the session by engaging the same group of students in the topic of Machine Learning.

Faculty engagement :

Consolidated Salary Sheet

Prof. Subhash Kumar from the IT department, St. Xavier's College, developed and released a custom built web based utility for the staff of the college, that enables an exclusive login for each staff member to view and download their last 5 years annual, consolidated salary slip.

DBT-Star College Scheme

As part of 75 years of Independence, the faculty of science, St. Xavier's college, participated in *Azaadi ka amrit mahotsav* – an initiative to spread awareness of the science subjects amongst school students in the city in the form of videos and live interaction. An informative video was compiled by **Prof. Aaron Johns** on Information Technology as a course in the degree college.

Prof. Subhash Kumar was invited as a resource person to deliver a training session on the use of "Microsoft Excel" for the Non-Teaching staff of St. Xavier's College on April 29th, 2022. The workshop was organized by the Department of Statistics in collaboration with the IQAC cell of the college under the aegis of DBT Star Status.

Prof. Aaron Johns, faculty of our department conducted a skilled based workshop on configuring linux servers for the Third Year Electronics & Telecommunication students at the Xavier Institute of Engineering, Mahim, Mumbai on March 24th, 2022 from 1:30pm to 3:30pm. This session helped the students discover the power of open-source tools.



From Left to Right: Three of the faculty members of Xavier Institute of Engineering, Mr. Aaron Johns as resource person and student of the college.

Vision aid - Nepal Chapter

Ms. Lydia Fernandes was invited as a guest speaker for a five-lecture series held on, November 6th, 2021, December 4th, 2021, January 22nd, 2022, February 12th, 2022 and March 5th, 2022. The lectures mainly focused on how to design web pages with the theme "HTML for accessibility". These were overseas students from Nepal and were part of the ongoing program "DIGITAL ACCESSIBILITY TESTING (DAT)" being held for visually challenged learners, organized by Vision Aid, an NGO.

Faculty Development :

Ms. Lydia Fernandes participated & completed successfully ISTE approved Six-Days Hands-on Online Faculty Development Program (FDP) on "Deep Learning and its Applications" from 05-07-2021 to 10-07-2021 organized by Department of Computer Engineering, Xavier Institute of Engineering Mahim, Mumbai.

Ms. Lydia Fernandes on October 27th, 2021, attended a faculty workshop titled St. Xavier's College: The Journey Ahead...Creating a Pragmatic, strategic Plan, 2021-2025 An IQAC Initiative

Mr. Roy Thomas and Ms. Lydia Fernandes participated in an online faculty workshop titled National Education Policy 2020 for Higher Education held on January 10th, 2022 an IQAC Initiative

Ms. Lydia Fernandes and Mr. Aaron Johns participated in a faculty workshop titled Helping to Fly: Easy, Effective Mentoring held on the February 11th, 2022

Ms. Lydia Fernandes has successfully participated in IP Awareness/Training program under

NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION on March 16th, 2022

The Department of Information **Mr. Kishore Arbune**, the Lab Assistant of the IT department, attended a session on August 4th, 2021 on how to use Microsoft Word effectively, organized by the Statistics Department in collaboration with IQAC of St. Xavier's College. He also attended an online session on lifestyle diseases organized by the Life science and Chemistry Department of St. Xavier's College on January 19th, 2021

Train the Trainer Program

TCS our collaborator in the MSc. with the Big Data Analytics program, organized an FDP session on various topics like Machine Learning, Deep Learning and more, during the last week of August 2021. Prof Roy Thomas, Prof Subhash Kumar, Prof Mayur More, Dr. Annapurna S, Prof Piyali Unnikrishnan, Prof Norine Dsouza and Prof Aaron Johns attended the aforementioned program.

Seminars & Workshops

(August 6th, 2021 – September 10th, 2021) - **Mr. Kushal Sen Microsoft India (R&D) Pvt Ltd.** was the resource person. The workshop was mainly for M.Sc. (BDA) Part-1 students. It was a 12 hours' workshop.

Topics covered: Introductions to algorithm, Introduction to C Programming Language, Datatypes and Looping Structures, Functions Declaration and Definition, Introduction to GitHub and how to use it, Code Debugging (Using GDB), Structures in C, Pointers in C. It was an Interactive Hands-On workshop to understand C Language and Programming concepts from the basics. Programming concepts were taught with the help of examples. At the end of the workshop a project was assigned to the students.

NLP Workshop (March 5th, 2022 – March 30th, 2022)–**Mr. Debjyoti Paul Data Scientist, Amazon Ads** was the resource person. The workshop was held over a period of four weeks. The

workshop was mainly for M.Sc(BDA) Part-1 students.

Role of Chatbot to Enhance Customer Experience

On September 17th, 2022, a special session was organized by **Ms. Lydia Fernandes** as part of the Introduction to AI course, for the students of TYBSc.IT. The Speaker, an industry expert, **Mr. Vishal Ghate** spoke about the business aspects and the future of chatbots in the ever expanding online mode. Apart from these he also spoke about the significance of quick response, cloud based chatbot framework etc.

Students Achievement

Noel Pinto student of (SYBSc.IT), won the 1st position in code debugging event in the International Virtual Intercollegiate Fest -'NIRVAAN 2022', organized by Nirmala Memorial Foundation College of commerce and science held on February 12th, 2022.

Internship and Placement

Internship and Placement of M.Sc(BDA)

All the 36 students of M.Sc(BDA) part-2 have got industry internships. The companies that hired the students were **TCS, Earnst & Young, Deloitte, Navcara Pvt Ltd, Mercedes Benz, Gramener Technology Solutions Pvt. Ltd, Xceedance Consulting India Pvt. Ltd, Dravstream Technologies Pvt Ltd, Edelweiss, Crompton** and **Lynk Global**.

From the second batch of M.Sc(Big Data Analytics) 22 students of M.Sc(BDA) got placement as on May 31st 2022. The companies that hired the students were **TCS, Deloitte, Quantiphi, Gramener Technology Solutions Pvt. Ltd, Xceedance Consulting India Pvt. Ltd** and **Lynk Global**.

Internship and Placement of B. Sc(IT)

5 students completed their optional internship and 31 students got placements. The companies that hired the students were **Deloitte, Tresvista, Lynk Global, DE Shaw, PWC, Codingal** and **ICICI**. Three students got an annual package of more than 20 lakhs.

Obituary

We fondly remember our alumni from St. Xavier's College from the **batch of 2013, Squadron Leader Kuldeep Singh**, who lost his life on December 8th, 2021, in a tragic crash of a Mi17V5 Helicopter in Tamil Nadu. He was the Co-pilot with 14 personnel on board including CDS Bipin Rawat. Farewell to a young soldier of the nation and an ex-Xavierite.



Late Squadron Leader Kuldeep Singh, an alumnus of the college and a graduate in BSc.IT, batch of 2013.

BITMAP Magazine

On the June 8th, 2022, we celebrated the launch of the 3rd edition of the IT department's magazine- BITMAP. The theme of the magazine was "**IT & YOU**". The magazine was successful because of the hard work and efforts put in together by the students- **Kriti Jain** (SY), **Pranav Jain** (TY), **Rochelle Fernandes** (SY), **Vrinda Chandra** (SY), **Malay Acharya** (TY), **Rovin D'souza** (FY) and **Richmond Aloj** (FY) under the guidance of **Ms. Lydia Fernandes**. The magazine has been divided into 3 sections- How technology brought changes during the pandemic, some latest IT innovations simplified for all and finally how Xavierites have been moving ahead in this field and their achievements. To name a few headings- "Digitalized India", "Ed Tech", "Tech in various sectors", "Metaverse", "Blockchain Technology", "Browserland", etc. The purpose of the magazine was to highlight how the proliferation of technology has reduced pilferage to great extents. It enlightens on the fact that every sector has received its share of technological advantage with or without knowing.

Mr. Roy Thomas
Head, Department of Information
and Technology

LIBRARY REPORT

The academic year 2021-22 witnessed many changes and modifications in the College Library.

As a movement towards full automation, an RFID system was installed in the library. This will help patrons in issue and return library books without the intervention of library employees. To complement this, RFID gates and a Book Drop Unit and an Issue Return Kiosk have also been installed in the library. This system was inaugurated by Principal Dr. Rajendra Shinde, the Rector of the College, Fr. Keith D'souza S.J. on 31 March 2022.

The RUSA fund was also used to boost Research. The Peer Learning Cubicle has been converted into the New Research Cubicle. This space will be dedicated to research in Agriculture.

10 computers for staff and one tower server for E-Books and database were purchased. All this was possible due to the **RUSA Grant** received by the College.

To keep pace with online learning and information technology, one half of the Lending Library has been converted into a computer classroom. However, with the Lending Library losing this space, some of the books that were stored there had to be relocated, while many unaccessioned and decrepit books and the outdated journals were weeded out, following due process. These books were donated for recycling with help of the Zoology Department of the College. The entire collection of Gujarati books were gifted to Parivartan Pustakalaya, Kandivali. The Christianity Collection was shifted from Honours' Room to the Heras Institute in order to keep all religious books together. The Hindi collection was shifted from the Lending Library to Honours' Room. The Information Technology collection was shifted from Lending Library to the Reserve Counter Science, the Marathi collection was shifted from Lending to the Arts Reserve Counter.

Due to the Covid-19 protocol of social distancing, the Reference Library had to be used an Examination Hall for two H.S.C. Board examinations in April 2022

Mr. Ashok Rambade has been transferred from Library to the General Office from 6th June 2022. Ashok joined the Library as a Peon in 1993. In 1995 he was promoted to Library attendant. In 2004 promoted as clerk and in 2015 promoted to the senior clerk position.

Staff Activities/ Achievements

1. Adinath Raut, Ashok Rambade, Bharat Hejmadi, Jay Thorat, Vivek Tambe and Sonali Paradkar served as Exam Invigilators for Senior College.
2. Adinath Raut, Ashok Rambade, Bharat Hejmadi, Jay Thorat and Sonali Paradkar supervised during the H.S.C. Examination (April 22).
3. Adinath Raut and Jay Thorat had attended many online and offline workshops organised by St Xavier's College and those conducted by other colleges.
4. Sonali Paradkar continued teaching the Library Science course for F.Y.B.A. students with learning disability. This year 07 students were enrolled for this course.
5. Sonali Paradkar reviewed the International Journal of Management Studies and the same was published in the June 2021 issue of the said journal.
6. On 8th February 2022 at a lecture on organized by the student council Sonali Paradkar spoke about safety training, first aid and gave general directions on tackling any unforeseen health emergencies.

Congratulations to Mr. Vivek Tambe for completing his Masters in Library and Information from Indira Gandhi National Open University.

Library Statistics during covid time

Acquisitions	
Number of books purchased:	221 Senior College. 92 Junior College +
Number of gift books:	Zero
E-Books Purchased	53
Number of Journals and Magazines subscribed:	69 (58 Journals and 11 Magazines)
Number of Gift Journals:	
Database	J Gate
Library Binding:	No Journal Volumes were bound.

Library Statistics	
Inter Library Loan Letter:	Zero
Total users who were issued Library Cards	1790
Total No of Books referred in the library:	
No. of Books issued from Lending Library:	
No. of Books issued from Reference Library:	
No. of Books issued from Honours Library:	
Total No of CD/DVDs issued from Multimedia Library:	
Total No of CDs issued from Lending Library:	
Paperback Purchased:	

Library Membership	
Arts:	
Junior College:	33
Senior College:	65
M.A.	01
Science:	
Junior College:	09
Senior College:	73
M.Sc.:	22
PhD (Arts and Science):	
Self-Financed Courses:	
BMS:	16
BMM:	05
B.Sc. (IT):	07
Forensic Science:	
M.Sc. (Biotech):	
M.A (Public Policy):	11
B.Voc:	34
Student Exchange Programme	
Diploma in Counselling :	
MA Life Span Counselling	
MSc Astrophysics:	
MSc Big Data Analysis:	01
PG Diploma in Expressive Art Therapy:	
Staff:	
Teaching:	
Non-Teaching :	

Ms Sonali Paradkar
I/C Librarian

LIFE SCIENCE AND BIOCHEMISTRY

The COVID-19 pandemic continued to influence the world and hence, the new academic year continued online from the 14th June 2021. All lectures and practical sessions were conducted in the virtual mode.

The following is the snapshot of departmental events and activities during June 2021- April 2022.

Faculty appointments: Dr. Snehal Martin continued as Assistant Professor in our department on Ad-hoc basis while Dr. Vivek Narayan was also appointed on Ad-hoc basis.

Change of Guard: Dr. Seema Das retired from her services to the college after superannuating on the 31st of September 2021. She had a fruitful association with the college for 24 years and she headed the department for 3 years. After her retirement, Dr. Prashant S. Ratnaparkhi took over as the head of the department from the 1st of October 2021.

Academic proceedings:

- The BOS meeting for the odd semester for Life Science was held on Saturday, 25th September 2021, 3:30 pm onwards and that for Biochemistry was held on Saturday, 18th September 2021, 3:30 pm onwards. For the even semester, a combined BOS meeting for Life Science and Biochemistry was held on Saturday, 26th February 2022, 3:00 onwards.
- The annual FYBSc Orientation was organized as an online event on 2nd September 2021. Dr. Seema and Dr. Prashant spoke to the students. M.Sc. Part - 1 Orientation was organized online on 30th July 2021.
- Graduation Ceremony was organized for the TYBSc students of 2020-21 batch, on 17th July 2021.
- 59 SY and TYBSc students of the department started a bimonthly **Journal Club** to present and

discuss Life Science-based peer-reviewed research papers and scientific literature. Dr. Priya, Dr. Snehal and Dr. Vivek guided the students.

- A seminar titled - '**Arthik Saksharta ani Niyojan**' (Financial Literacy & Planning), conducted by Dr. Sanjay Parab, Asst. Professor, Commerce Section (Evening College) and facilitated by Dr. Maya, was organized on 2nd December 2021 in an offline mode in the Palacios Hall.
- To celebrate National Science Day & Azadi ka Amrit Mahotsava, in line with the "**Vigyan Sarvatra Pujate**" initiative of the Government of India, the Department organized slogan writing, poetry and essay writing competitions between 14th to 19th February 2022.
- The Department participated in the **Science Adda** online event organized by the college to celebrate National Science Day on 28th February 2022. Two short videos presenting a department overview and demo experiments and careers in life sciences were prepared and screened during the session.
- **Biowaves 2022 - "A Structural Approach to Understanding Macromolecules"** a one-day international symposium was organized in an online mode association with the Caius Laboratory for Interdisciplinary Research and the aegis of RUSA on 12th March 2022, to **commemorate the birth centenary of Prof. G.N. Ramachandran**. Dr. Maya was the Convenor of this event. The day long online event included a keynote address by **Prof Siddhartha Sarma** (Chairman, Molecular Biophysics Unit, IISc Bangalore) on NMR spectroscopy, and lectures by **Dr. Gayatri Pananghat**, IISER Pune (X-ray crystallography &

cryo electron microscopy) and **Dr. Shuchismita Dutta**, Rutgers, USA (Protein Data Bank). A panel discussion on "Structural Biology: Current challenges and Avenues" was organized to facilitate students to make informed higher education and career choices in this area. Noted panelists included **Dr. Krishna Iyer**, Bombay College of Pharmacy (academics and teaching), **Dr. Prasenjit Bhaumik**, IIT-Bombay (research, internships and higher education in India), **Dr. Dakshesh Mehta**, MJ Biopharm (industry jobs and internships) and **Dr. Krishna Chaitanya Suddala**, NIH, USA (higher education and jobs abroad). The session was well received and attended by 129 students and staff from colleges all across Mumbai and India.

Alumni Interaction for Career Guidance:

- Sessions were held during the 'Mentoring-cum-Discussion' lectures every week. Students mostly sought guidance on applying for Masters programmes in India and abroad, and competitive examinations like JAM, NET etc.
- **Mr. Adrian Dias**, alumnus (TY 3U 2004), Strength and Conditioning coach for Jamshedpur FC, Mumbai FC, Kings XI Punjab and Gujarat Lions, Ranji players, guided students on careers in Sports Nutrition and Physiology on 1st October 2021.
- A career guidance session for Masters students of the department and other science departments in college. The sessions were:
 1. **Ms. Gloria Kuttiyath** (Medical Device Regulatory Affairs, Tata Elxsi. "Career Opportunities in Pharmaceuticals and Biopharmaceuticals".

2. **Ms. Krithika Pevekar** (Founder, Brand Scriptons). "A Journey to Medical Communications and Career Development".

3. **Ms. Kanchana Jayaraman-Kapadia** (Founder, Calorie Culture), delivered a lecture on "Modern Methods to Handle Weight Woes - What Works & Why" on Nutrition & Reproductive health on 10th March 2022.

4. A Guideline to Academic Career Paths after Postgraduation in Biology

Dr. Bhaskar (Assistant Professor, St Xavier's College, Mumbai)

Guest Lectures :

To enhance the academic outlook of students, the following expert lectures were organized for students:

- **Dr. Kersi Avari**, renowned Mumbai endocrinologist, Embryology Academy of Research & Training, Mumbai, conducted a series of lectures on Reproductive Technology for our MSc Part II students.
- **Dr. Sorab Dalal**, ACTREC on 'Molecular Mechanism of Metastasis' on January 17th, 2022.
- **Dr. Manoj Mahimkar**, ACTREC was invited on 7th March, 2022 for a lecture on Cancer Biomarkers.
- **Dr. Aditi Deshpande**, Department of Atmospheric & Space Sciences, Savitribai Phule University, Pune, delivered a lecture on 'Climate Change Modelling - History & Evolution' on 27th of January and 1st of February, 2022.

Inter-Institutional Collaborations

Staff members Dr. Prashant, Dr. Priya, Dr. Radhika, Dr. Bhaskar and Dr. Manasi were associated in an academic collaboration with many reputed institutes like Nirmala Niketan College of Home Science, Ruia College, Center for Basic Sciences, S.I.E.S College respectively.

Faculty Research

- Faculty members pursued their research interest through MSc dissertation, UG and Honours projects.
- The department is currently a part of the Inter-Departmental DBT Builder grant.
- Dr. Radhika continued the University of Mumbai Teachers Grant for Research.

Faculty Publications

- Dr. Priya authored 5 research paper in reputed journals listed in the UGC CARE list and SCOPUS / Web of Science
- Dr. Maya authored 2 articles in the India Bioscience organization.
- Dr. Priya presented 3 papers in international conferences,
 - ♦ "Saving a Fragile Legacy",
 - ♦ "Utilization of Potato Peel Extract as a Source of Natural Antioxidant and Incorporation into Value Added Products", and
 - ♦ "Screening and Isolation of Asparaginase Producers from Soil Source and its Application in Food Products".
- ♦ She also presented a poster titled, "Estimation of TGF- β in Oral Nutritional Supplements (ONS) using Competitive ELISA technique".

Conferences/Seminars/ Workshops attended by Faculty members.

- Dr. Priya and Dr. Maya participated in a webinar titled, "Peaceful Applications of Radiation Technology in Agriculture & Food Preservation", webinar jointly organized by the Bhabha Atomic Research Centre, Mumbai, sponsored by Department of Atomic Energy, Government of India, and SXCM on 3rd August 2021.
- Dr. Prashant, Dr. Priya and Dr. Binoj attended the online National

Level Workshop on Curriculum Framework for Implementation of NEP 2020 in Universities, Engineering Colleges and Degree Colleges conducted on 21st & 22nd March 2022, organized by Institute for Academic Excellence (IAE) in collaboration with Collegiate Education & Technical Education Department, Govt. of Telangana.

- Dr. Manasi and Dr. Binoj were nominated by college to participate in a four-day residential "Training of Trainers: Effective delivery of trainings using participatory training methods: Human-Wildlife Conflict Mitigation in India", organized by GIZ-Dale Carnegie during April 26-29, 2022, in Kodagu, Karnataka.
- Dr. Manasi participated in the Maharashtra State Development of Educators and Enhancement in Delivery (MS-DEED) Program for Maharashtra State Science and Mathematics Teachers from Higher Education Institutes to be held by PMMMNMTT Centre of Excellence in Science and Mathematics Education (CoESME), at IISER Pune from 27th to 29th January 2022.

Conferences/Workshops organized by St. Xavier's College

- All staff members participated in the following workshops organized by the college:
 1. Workshop on 'Higher Education Vision Retreat & Workshop' organized by the IQAC on 15th June 2021.
 2. Vision & Values of Jesuits (historical, ideational, inspirational) Fr Luke Rodrigues, SJ.
 3. 'Planning a Budget' by Fr Conrad Pessa, Treasurer, SXCM, on 6th August 2021.
 4. 'End Semester Exam Orientation' by Dr. Sangeeta Shetty and the Exam Centre team, on 29th September 2021.

5. IQAC-organized staff workshop on 'St. Xavier's College: The Journey Ahead... Crafting a Pragmatic Strategic Plan 2021-2025' on 27th October 2021.
6. IQAC-organized staff seminar on 'National Education Policy 2020 for Higher Education' by Dr. Furqan Qamar on 10th January 2022.
7. IQAC-organized staff seminar on "Helping to Fly: Easy, effective Mentoring" by Fr Francis D'Mello, SJ, Head, Wellness Centre, St Xavier's College (Autonomous), Mumbai, on 11th February 2022 in the College Hall.
8. IQAC-organized staff seminar on "MOOC Matters" by Prof Saima Shaikh and Prof Marazban Kotwal on 27th April 2022 in the MMR.

The faculty also individually attended webinars based on their interests and the portfolios they handle in college.

Faculty Recharge Programmes

- Dr. Priya, Dr. Radhika, Dr. Manasi, Dr. Maya and Dr. Binoj completed various courses ranging from a short-term course to a 2-week faculty development program certified by the PMMMNMTT.

Faculty as Coordinators / Convenors / Members of College Committees

- Faculty members continued to contribute to the various committees and programs of the college.

Faculty as Resource Persons

Faculty members also continued to contribute their expertise in areas of academics and pedagogy to various institutes affiliated to the University of Mumbai.

STUDENT ACHIEVEMENTS

The following students were the toppers in their classes:

MSc Pooja Gupta
BSc 6U Sanjana Reddy Yarabolu
BSc 3U Pooja Mehta

The following scholarships were awarded to the meritorious students

- The Shreevrat Goenka Scholarship for a meritorious postgraduate student of Life Science – **Pooja Gayaprasad Gupta**
- Dr. M. A. Eswaran Scholarship for a deserving student pursuing the Master's programme in Life Science – and **Jason Samuel**
- Dr. M. P. Sujayakumari and the Department of Life Sciences Scholarship for highest in TY BSc (3 units) Life Science – **Pooja Birjoo Mehta**
- The Department of Life Sciences Scholarship for highest in TY BSc (6 units) Life Science – **Lianne Fernandes**
- The Shreevrat Goenka Scholarship for a student of SYBSc highest in Life Science and continuing in TY BSc – **Tanish Vipin Botadkar**
- Mrs. Kalpana Hansraj Chaudhuri Scholarship for deserving girl student continuing post graduate in Life-Science (Karina Choudhury scholarship) - **Anushka Pramod Chaudhari**

Internships undertaken by students:

13 students participated in internships of various kinds. These ranged from subject-oriented work to science writing and soft-skills based companies.

Student participation in college governance:

- **Mr. Lionel Crasto** (TY BSc 6U, UID No: 192065) and **Ms. Kaninika Ghosh** (SY BSc, UID No: 202121) were elected as the Sports representative and the SY BSc Student Representative respectively to the Student Council 2021-22.

Student Participation in Seminars and Events:

Undergraduate and Postgraduate students participated in the following events:

- 'Development of Immunological Memory: Lessons from Multi-Omics' by Dr. Veena Patil, NII, on 23rd September 2021, an event to commemorate the 75th Year of India's Independence through the Azadi ka Amrut Mahotsav, organized by the National Institute of Immunology (NII), New Delhi, and SXC, Mumbai.
- 'Entrepreneurial Skills Development Course for Young Researchers in Biotechnology' from 11th October to 29th October 2021 organized by Pune Knowledge Cluster (PKC) in collaboration with the Agharkar Research Institute (ARI), Pune.
- Popular Science lecture by Dr. Sorab Dalal, (ACTREC) on 'The Application of Recombinant DNA Technology in Science & Medicine' on 22nd January 2022. This event was organized by the IWSA and the Smt Kasturbai Walchand College of Arts and Science, Sangli.
- Several UG and PG students participated and sent in their research proposals for **Avishkar 2021-22** - the Mumbai University Research convention. The proposal sent by Ms. Devika Rege (TY 3U, 192082) and mentored by Dr. Binoj Kutty was selected for the next round.

Student Awards:

Our enthusiastic students made the most of the online mode of education and participated in a variety of events and competitions held across India. The following is a snapshot of their achievements:

- **Ms. Livia Rebello** (SY BSc, UID No: 202519), **Ms. Malaika Petula D'Mello** (SY BSc, UID No: 202016) and **Mr. Kevin Abraham** (TY BSc 6U, UID No: 192456) won accolades at

several intercollegiate events (oral and poster presentations, along with many activity-based events). These events were organized by reputed educational institutions, across India. These students received many prizes and cash awards as well.

Higher Studies (M.Sc. and Ph.D.)

The following students are pursuing Ph.D. programs:

- **Ms. Pooja Rao** (BSc 3U, 2017-18, UID: 152438) PhD Biochemistry at The Graduate Center, City University of New York (Aug. 2021)
- **Mr. Gaurav Vaidya** (MSc 2019-20, UID:188519) PhD EMBL, Neurodevelopment in *C elegans* model system.
- **Ms. Mallica Pandya** (TY 3U 2017-18, UID:142344), funded PhD position at University College London (UCL)

The following students are pursuing Masters programs:

- **Ms. Meghana Vinodan** (BSc 6U, UID No: 192211), MSc Sustainability Science, Columbia University, New York, USA
- **Ms. Reva Biju** (BSc 3U, UIB No: 192377), MSc Genetics of Human Diseases, University College, London, UK

- **Ms. Priti Chandne** (BSc 3U, 2019-20, UID: 182510) MSc Biochemistry, University of Hyderabad.

Social Outreach Activities

Our department through its association with the SIP, used the potentials of our students to create educational material for an NGO called Mukangan. 45 students completed this project successfully and the curated educational material was made available to the NGO for their teaching activities.

Honours certificate course:

A total of 22 students completed the Honours Certificate course, (21 in Biological Sciences Hub and 1 in the Lingua Hub).

Student Research Projects – PG MSc Dissertations

19 MSc 2 students completed dissertation by writing a grant proposal.

Our Non-Teaching Staff

Our Non-Teaching staff participated whole-heartedly in the activities conducted during this period. The details of the programs are as follows:

- All non-teaching staff members attended the workshop conducted in Marathi on the 'Use of Microsoft Word' by Mr. Nagpati Hegde, retired Associate

Professor, SIES college, on 4th August 2021. The workshop was organized by the college IQAC & Statistics department under the aegis of DBT Star Status.

- All non-teaching staff members attended the workshop conducted in Marathi as part of the Xavier's Connect lecture series - 'Arthik Saksharta ani Niyojan' (Financial Literacy & Planning) by Dr. Sanjay Parab, Asst. Professor, Commerce Section (Evening College) on 2nd December 2021 in an offline mode in the College Hall.
- Mr. Prakash Dandge attended the 2-day Workshop on 'Excel – Basics' for the Non-Teaching Staff of the College organized by the Statistics Department on 28th - 29th April 2022.

The Alumni Connect:

- **Ms. Aparna Shah (BSc 3U, 2005)** was appointed as Collegiate Assistant Professor, School of Neuroscience, Virginia Tech, USA, starting July 2021.

We thank the Almighty for this eventful year. We also offer our prayers to the families of students, colleagues and others who lost their near and dear ones to this pandemic. God grant us courage and hope to face all our troubles bravely and with a smile.

Dr. Prashant Ratnaparkhi
Head, Department of Life Science
and Biochemistry

MANAGEMENT STUDIES - BMS

The year commenced with the continuation of the online mode of teaching, from which we later switched to the hybrid mode. Even though the process was rather challenging, we were able to create an enriching experience for our students.

A brief report of the Academic Year, 2021-2022 is given below:

Speaker Sessions-

August 2021

'Learning how to Learn' with Mr. Pavan Bhattad, Founder Pavan Bhattad Institute of Thinking.

September 2021

'Corporate Governance' with Mr. Parvatheesam Kanchinadham, Company Secretary and Compliance Officer for Tata Steel Limited.

November 2021

'Back to Campus: Mental Health and Wellbeing' with Dr. Fabian Almeida, Psychiatrist, Counsellor & Motivator.

January 2022

1. 'Let the games begin!' with Mr. Akshat Rathee, Co-founder and MD, Nodwin Gaming.
2. 'Web3: probably nothing' with Mr. Lavin Mirchandani, Founder, GetEvangelized.

Sessions conducted as a part of the Department of Management Studies Festival, 'Zephyrus' (2021-2022):

February 2022

1. 'The Egg without the Chicken?' with Mr. Kartik Dixit, Founder of EVO Foods
2. 'Panel Discussion: The Investor's Gambit' with Mr. Tushar Behl, Investment Professional at Alpha Wave Global Investments, Mr. Romit Mehta, Investment Professional at Lightspeed India Partners, Ms. Ayushi Garg, Lead of Growth and Capital Development at 3one4capital, moderated by Mr. Shubham

Pansari, Associate at BCG, Building the JUMPIN app

3. 'Beyond the Financial Frontier' with Mr. Akshat Shrivastava-INSEAD Graduate, Ex BCG/Dalberg, Entrepreneur, Teacher
4. 'Behind the Controller' with Mr. Arvind Neelakantan, Tech Evangelist at EPIC Games
5. 'Pioneers of Progression' with Mr. Harish Uthayakumar, Co-Founder of Bluelearn
6. 'Get Set Gro' with Mr. Subin Mitra, Co-founder of Groyyo
7. 'social Network 2.0' with Mr. Amarnath Jayanti- Founder of Wall.app
8. 'Evolution of GST in India' with R.Srivatsan, Additional Assistant Director at NACIN, Chennai

Student Achievements

Cultural

1. Aakrati Kushwah - Biz Quest (2nd Place), Delusional Dice (3rd Place),

Treewear Sustainable Case Study Competition (3rd Place)

2. Aarushi Kaushik - Jingle Bandhi (1st Place), Creation Cosmos (1st Place), Marketing Maniac (1st Place)

3. Anjali Bhojwani - Kiran fest 2022 Big bang Bollywood (3rd Place)

4. Daniel Melwani - E-Cell Entrellympics Artistic Marketing (1st Place)

5. Diya Mariyam Iype - Abruptly Abrupt-SAGA-the literature festival (3rd Place), Zephyrus Fest Make your Market (3rd Place), Entrellympics - 4xPundred metre relay (1st Place)

6. Gunjit Kalra - Stash the Cash, Vaayu Fest (1st Place)

7. Joel Joseph - MR KALEIDOSCOPE (2nd Runner Up)

8. Kimberly Crasta - 'Blues Muse', a Jazz singing competition at Kaleidoscope (1st Runner Up)

9. Kritika Chinda - Zephyrus Fest House of HR (2nd Place)

10. Mridul Jagwani - Waste No More Digithon Case Study Competition (2nd Place)

11. Pari Raj Gupta - Zephyrus Fest Make your Market (3rd Place)

12. Raunak Dodiya - Finanza Ace the deal (3rd Place)

13. Renee Philip - Tone Down for What (Acapella) at Mystique 2022, organised by HR College (3rd Podium)

14. Robert Joseph - Treewear Sustainable Case Study Competition (1st Place)

15. Saloni Mali - Assistant Contingent Leader for Mystique Fest (3rd Place), Scavenger Hunt (2nd Place)

16. Siddharth Poddar - Shri Ram Data Championship (National Finalist), Waste No More Digithon - Case Study Competition (2nd Place), National Economics Festival - La case de papel: case study competition (3rd Place)

17. Tanamay Banka - Waste No More Digithon Case Study Competition (2nd Place), Shri Ram Data Championship (National Finalist)

18. Trewen Dass - Kaleidoscope Mic Drop (2nd Runner Up)

19. Xavier P. Thomas - Pravaah (1st Place)

20. Manch 5.0

- a. Project Competition (3rd Place)

- i. Kritika Chinda
- ii. Tanamay Banka
- iii. Kanv Gupta
- iv. Amisha Chaturvedi
- v. Mahima Solomon

- b. Trading Game winners
 - i. Sarthak Amrutkar
 - ii. Siddharth Poddar
 - iii. Viola Menezes

Sports



1. Melody Menezes - Basketball (3rd Runner up)
2. Samvit Dad - TAFTYGAS 4th National Games and Sports 2020-2021 (Gold)



3. Siddhant Biyani - State & National Level Basketball Tournament



4. Suzanne Pinto - Basketball (2nd Place at West zone Seniors)

Other Activities

BMS Honours Program

Topic: Sustainable Development

Credits: 1

Resource Person: Zitin Munshi

The topic of 'sustainable Development' was discussed from a business point of view. The UN Climate Change Conference, Business Value Chain and societal issues were covered as well. At the end of the program, students presented research on a business of their choice with regards to its business model/products and services, current activities undertaken with respect to sustainable development and areas where the company could further contribute.

Course on Business Simulation

Resource Person: Cajetan D'souza

Participants: 17

No. of Sessions: 14

Mr. Cajetan D'souza ran a Business Simulation program wherein participants were given the use of 'MikesBikes Advanced', a business strategy simulation that encourages students to conduct market research, formulate strategy and make critical company decisions in this challenging addition to any business course. Students understood the effect of their decisions on the long term growth of the company, reasons for decrease in the market share, productivity issues and methods to rectify the situation.

Milgard Case Study Competition

Participating Students: Vrushti Shah, Rhea Raja, Samaksh Sarda

It is an International Case Competition with the core focus on Corporate Social Responsibility with the intention of nurturing young leaders of tomorrow towards ethical, sustainable and inclusive practices benefitting not only the company, but the society as well.

Manch 5.0: A Deutsche Bank Initiative

The Department of Management Studies has an MoU with Deutsche Bank.

The program had 4 workshops on the following topics –

1. Investment and Portfolio Theory and Applications
2. Communication and Presentation skills
3. A boot camp on Corporate Financing
4. Personal branding and Interviewing skills

The students were also given the opportunity to implement skills taught in the workshops in their mentor guided project and trading game. The Workshops, competitions, and numerous training sessions by senior leaders from Deutsche Bank, gave the students an opportunity to foster skills like leadership, communication and teamwork.

Insight Research Journal

Two volumes were published with a total of 216 pages and 14 papers.

Student Editorial Team: Kuartina Britto, Rhea Raja, Vrushti Shah, V. Atishay Somayaji, Mugdha Chechani, Priyal Jain, Vritti Shah.

Placements

Number of Students placed: 38

Companies: Accenture, Bain Capability Network, Hindustan Unilever, Kearney, McKinsey & Company, ZS Associates, IBS Intelligence, Lynk Global, Trevista, ICICI, Indusguru, J P Morgan, TopHire, Jaro Education, Bank of America, PWC, Deloitte USI, E&Y, Media.net

We are constantly in the process of equipping ourselves with the tools needed to create an enriching experience for our students. It has been an incredible academic year and we hope to raise the bar even higher in the future.

Ms. Soni George Tharakan
Head, Department of
Management Studies

MASS MEDIA

As we look back and gather thoughts to write about the academic year 2021 for the department, it reminds us of how we commenced in the online mode and transitioned to the hybrid mode with students coming to campus in the second semester of the academic year. This indeed was a breath of fresh air after two long years of remote learning.

Well if I remember correctly, here we go...

New Entrants of the BA MCJ course (popularly known as BMM) came with an online entrance exam that was scheduled in the third week of June 2021. The classes for the new batch began from the first week of September. Since we have been granted permission by the university to have a second division of the first year class, we have two divisions of the same.

Online Graduation was conducted for the batch of 2021 on July 25. Our second year students did the ideation and brought together the graduating students from different parts of the country. Ms. Shonel Dsouza spoke on behalf of the graduating batch at the virtual ceremony.

As we started our in-campus activity, the department conducted a graduation ceremony for three batches of 2020, 2021 and 2022 on June 26, 2022. Padma Shri Khalid Abdul Hamid Ansari, alumnus and founder of Mid-Day, Khaleej Times, graced the occasion as chief guest for the ceremony.

Speaker series

We leveraged the opportunity of online learning by having a series of guest speakers from various fields including management and media organizations. This series of professional interactions helped students delve into the insights of the media industry. Experts from media backgrounds, like, Shemaroo Entertainment COO Ms. Kranti Gada; Xavier's alumnus and industrialist, Padma Shri Anu Aga, Jio Saavn Director Mr. Uddhav Parab shared their experiences. The interaction extended from Indian professionals

to the UK-based BAFTA nominated work creator, Reuben Abraham, who enthralled the students with their words of wisdom.

Institutional Collaborations

For the third year, the department strengthened its ties in the form of collaboration by giving students a platform to exhibit their work and network with industry professionals.

The Annual Lecture Series with Indian Institute of Journalism and New Media (IIJNM), Bengaluru

Resource person — Dakshina Murthy, was a key member of the Editorial team that launched the English language version of the Al-Jazeera news website in 2003. Based in Doha, he wrote extensively on the US invasion of Iraq and West Asian politics. He specializes in coverage of foreign affairs and political reporting. He shared his views on foreign affairs and political reporting in the conflict zone.

Inter-institutional — People's Archive of Rural India (PARI)

Mentor — Priti David and team of editors. In collaboration with PARI, the second year students reported the impact of the pandemic on livelihood. A team of editors from PARI mentored our students and the department is glad that some of the stories were selected for publication on the PARI Education website.

An embodiment of geographical as well as professional diversity, the stories extended from a family that runs a bakery in Goa documented by our student reporter Zara Dias; to Dawn Philip who brought to us the simplicity of Kerala life through a woman making bamboo baskets for a living. Rutuja Gaidhani and Shristi Murli revealed the atrocities experienced by a Mumbai-based footballer who was forced into fishing post-CoVID. Furthermore, the effect of lockdown on beach vendors in Gujarat was examined by Khushi Desai and the life of a Delhi based driver was reported by Anuja Jain.

Department-centric SIP “Green the Patch” in collaboration with National Society of Friends of Tree

On February 19, 2022, students successfully completed a tree plantation drive, “Green the Patch” at Don Bosco Mazzarello Centre, Uttan. A joint effort by the department and the National Society of the Friends of the Trees (NSOFOT), an NGO that specializes in preservation of trees. NSOFOT's President, Dr. Arun D. Sawant, graced the occasion as Guest of Honour. He led the plantation drive and spoke about the significance of diversity. The initiative involved a group of twenty students who participated for their completion of the department SIP (Social Involvement Programme).

Exchange Program

Amatullah Batterywala went to Comillas ICADE, Spain for a year-long exchange program. During the academic term she studied subjects like International Marketing, Market Research, Spanish Culture and History through Visual Arts, Spanish Language amongst others. This opportunity was a wonderful learning experience to explore Spanish culture and art alongside academic engagement at the university.

AIIESEC

AIIESEC is a global youth-run organization that stands for activating youth leadership development. Rebecca Arambhan, SYBA MCJ has been a part of the organization as the Head of the Marketing Department. Over the past year, Rebecca has been a part of several national conferences and meetings. Jayati Bernard, SYBA MCJ heads the youth wing of Business development. Inspired by their journey, several students have been involved in AIIESEC for self-development and better opportunities.

Honours Programme

Under the Lingua hub, the department offered two credit courses comprising 30 hours each— Verbal Sensibility by

Sroojana Iyer and Food Journalism by Sona Bahadur.

Verbal Sensibility was conducted by Sroojana Iyer, an award-winning creator of fandoms. It aimed to give students a better understanding of media briefs and create a pitch for the client. Working on the launch of Voot, Viacom18's OTT app in India, along with Voot Kids and Voot Select and Tastemade's India chapter, she has honed an understanding of writing for different media.

Food Journalism tried to give an understanding of food-writing scope and develop an insight into the realities of the food media marketplace by Sona Bahadur, former editor Good Food magazine, BBC. She has curated food tours across India, currently is a consultant, and writes for leading media publications.

Placement / Internship

Most of our students took summer internships in various advertising agencies, digital marketing and content creation amidst other fields.

One of our students Priyal Mehta worked with 'salesforce,' Hyderabad as a Technical Writer. She worked on a Trailhead module, a user guide and a learning map for UI/UX. Anushka Yadav worked with 'About Friday'. She was involved in sports based research, studying competition and revenue generation through OTT platforms. Ameer Caprihan, worked with Ogilvy as an intern for planning. She actively worked with brands like Maaza, Set Wet and Naturals in analyzing brand strategies in their communication.

The final year students were placed in roles of content marketing, creatives, branding communication, subeditor, political consultant in companies like Media.net, Roy Kapur Films, Schbang etc continuing the diversity of media fields that our students choose to enter.

Higher Education

Another feather in the cap, Shirin Kumar from TYBMM Advertising 2021 batch got selected at IIM Ahmedabad for a two year Masters Program in Business Administration.

Workshops

Beyond the Lens: A Perspective, March 7 and 8, 2022, Boscowadi, Uttan naka, Gorai.

This two day workshop was to introduce concepts of Product Photography in advertising. Latest technology like drone photography, use of frames and natural light and portfolio shoots were introduced.

Celebrity and advertising photographer, Ronit Sarkar, who meddles in various art fields — music composer, singer & director— delivered these sessions.

The Integrated Marketing Communication Workshop, March 10-18, 2022. The chief objective of this workshop was to introduce key functions of Marketing in a company. It involved identifying key areas in research— understanding demographics, target group, ethnographic studies (if essential), Qualitative and Quantitative research. It included the role of BARC, Broadcast Audience Research Council in media, and its pivotal role in identifying the impact of TRP, Television Rating Points. This took place with Divya Morparia as the resource person, with her decade long experience in Media Planning, Digital Marketing and Brand Management, association with brands like Zee, SONY Entertainment, PUMA, Vodafone, Marketing.

Both the workshops were conducted under the aegis of RUSA.

Under the Mentor–Mentee Scheme, the department conducted two activities for the Mentee college — V V Dalvie College Sindhudurg, Maharashtra.

Documentation and Feature Writing in Marathi

In collaboration with PARI, the department organized a virtual workshop on Documentation & Feature writing for final year students and faculty of the Mentee College in the first week of September. The aspects covered were, the use of details in feature, effectiveness of language, headlines and vibrancy of local culture through writing. Ms. Medha Kale,

regional editor PARI conducted this session.

Ekta workshop

The mentee college faculty and final year students attended a two-day online media literacy and fact checking workshop organized by BOOMLIVE India. It covered the aspects of mis/disinformation through online social media and awareness about fact checking news.

Zeitgeist 2022 — Against the Current

This annual conference is a celebration of reason and intellect across young minds through panel discussions, interactives and film screenings. Organized on March 4 and 5, 2022 in hybrid mode, The Fourth Estate empanelled by Smitha Menon (food editor), Sharda Ugra (Sports Journalist), C S Venkiteswaran (Film Critic), Rochelle Pinto (Published Author Editor, Tweak India) presented an insightful discourse on content curation in niche fields of Journalism — food, sports, fashion and travel. Spotlight Speaker Anand Patwardhan presented on how one deciphers the context of numerous topics through documentary filmmaking. The two day conference concluded with a PR event on the aspects of personality grooming.

We would like to place on record our gratitude to alumnus Padma Shri Khalid Abdul Hamid Ansari who has instituted scholarships with the Media department for financially deserving students. This will further enhance their employment opportunity and bring about a change in their livelihood. We express our deepest gratitude to alumni and benefactors who have supported our students with financial and non-financial support during this challenging year. It is through their relentless efforts that the department continues to inspire excellence in its young students.

Thank you 2021 for keeping our spirit, minds and intellect alive!

Akshara Pathak Jadhav
Faculty, Department of Mass Media

MATHEMATICS

In the academic year 2021-22, online teaching continued in the odd semester. In the even semester, the teaching was in hybrid mode, which was successfully done, though challenging since it was new to the teaching faculty. Simultaneously, all the department members put a lot of effort in submitting the NAAC data before deadlines and preparing a good presentation during a mock NAAC peer team visit. All department members cooperated and were on toes till the actual NAAC team visit, which happened on 19th and 20th January 2022.

For the first time in the history of the Department of Mathematics, projects on Mathematics were launched under the Applied Component Course of even semester in TYBSC. This idea, presented by Ms. Meenal Kolkar, worked out efficiently and the external examiner, Dr. Sachin Ballal, from the department of Mathematics, Savitribai Phule, Pune University, appreciated the efforts taken by faculty involved and students in this direction. In an attempt to bring regular normal education on track, end semester exams of even semester were scheduled offline by college and were conducted successfully. However, practical exams were conducted in the online mode.

In spite of the consequences of 2nd wave and 3rd wave of COVID-19, the Mathematics Association of Xavier's (MAX) team organised many events throughout the year, as tabulated below:

Events organised by MAX Team	Date
Guest lecture: ' <i>The space of all triangles is a triangle</i> ' by Mr. Sagar Srivastava, pursuing Ph.D. at T.I.F.R.	21/08/2021
FY Orientation: UNI SCI FY	17/09/2021
Mathematical Quiz: ' <i>Kaun Banega Ganit Gyani</i> '	20/09/2021 (Qualifying Round) 21/09/2021 (Final Round)
Guest lecture celebrating the birth anniversary of Prof. Ramanujan: ' <i>An invitation to Ergodic Theory</i> ' by Dr. Anish Ghosh, Faculty of T.I.F.R.	08/12/2021
Alumni Meet: Celebrating birth anniversary of Prof. Ramanujan	15/12/2021
A fun-filled Christmas event: ' <i>CHRISTMAX RUSH</i> ' ' <i>a race to the north pole</i> '	23/12/2021
The five day hands-on workshop on ' <i>Introduction to Programming in MATLAB</i> ' (sponsored by RUSA grant) by Dr. V. Divya, I.C.T. Matunga	28/02/2022 to 09/03/2022

'The Proof 2021-22', this year's exclusive online edition of the annual department magazine, was released by the moderators, namely, Ms. Leena Upadhye from Jai Hind College at Churchgate and Mr. Ashish Dhara from Siddharth College of Arts, Science and Commerce at Fort.

Student Achievements: Though online learning and back-to-back internal exams, assignment submissions, end semester exams were going on, students did not hold back in trying to achieve more.

SYBSC student, Santosh Gidwani (UID-202865), attended online short term course on 'Applications of Machine Learning and Deep

Learning in Data Science' held from 28th February 2022 to 4th March 2022, organised by the Department of Mathematics, Sri Venkateswara College, University of Delhi, in association with CCE, NITW.

Another SYBSC student, Saima Kidwai (UID-202847), participated in the Indian Women & Mathematics (IWM) winter school for young women in Mathematics, held from 15th December 2021 to 24th December 2021, organised in online mode by IWM and IIT, Kanpur. In addition, she secured second position in 'A National Level PowerPoint Making Competition', held on 3rd September 2021, organised by the Wilson College Maths Society, as a part of 2 ∞ & BEYOND.

SYBSC student, Shreyas Thakur (UID-202881), did a summer internship in the Finance & Accounts Department, Chhatrapati Shivaji Maharaj International Airport, Mumbai from 13th May 2022 to 12th June 2022.

TYBSC student, Sagayasabin Nadar (UID-182457), completed 11 days bridge course on 'Algorithm Essentials' held from 21st June 2021 to 2nd July 2021, and scored 79.51% marks in the continuous evaluations, organised by CHM college, Ulhasnagar. Moreover, he won the 3rd Consolation prize in PowerPoint Presentation activity held from 17th December 2021 to 18th December 2021, in the Inter-Collegiate Science festival Pravah-2021 under DBT-Star Status Scheme, organised by B. K. Birla College of Arts, Science and Commerce (autonomous), Kalyan.

Faculty activities: To enrich and to improve themselves, the teaching staff actively participated in various activities throughout the year, as mentioned below:

Mr. Aditya Garg participated in one week (online) FDP on '*Advanced Linear Algebra*' held from 27th September 2021 to 1st October 2021, organised by Miranda House in collaboration with Hansraj College, University of Delhi.

Ms. Simi M. Cyriac participated in

- 1) Two week '*Refresher Course in Mathematics*' held from 31st August 2021 to 14th September 2021, organised by the Teaching Learning Centre in collaboration

with the Department of Mathematics, Ramanujan College, University of Delhi under the Aegis of Ministry of Education & PMMMNMTT.

- 2) 4-week online '*Induction Training/Orientation Programme for Faculty in Universities/Colleges/Institutes of Higher Education*', held from 17th September 2021 to 16th October 16th organised by the Teaching Learning Centre, Ramanujan College, University of Delhi under the Aegis of Ministry of Education & PMMMNMTT.
- 3) '*MS-DEED Level-1 Online Workshop on Introduction to Innovative Pedagogies for UG Teachers*' held from 27th January 2022 to 29th January 2022, organised by Maharashtra State Faculty Development Academy, Pune in collaboration with Indian Institute of Science Education and Research, Pune
- 4) Workshop titled '*Graph Theory using Open Source Software (SAGE & R)*' organised by Division of Mathematics, School of Advanced Sciences, held on 5th March 2022, at Vellore Institute of Technology, Chennai

Dr. Ashok Bingi wrote two chapters namely, Normed Spaces and Banach Spaces, in a book on a Course: Functional Analysis (paper-II) at Semester-III, M.Sc. Part-II for the students of the Institute of Distance and Open Learning (IDOL), University of Mumbai. Moreover, he participated in one day FDP on 'New Amendments in CAS as per the 7th Pay Commission' held on 30th July 2021, organised by CAS Committee with IQAC of Guru Nanak Khalsa College of Arts, Science and Commerce (Autonomous), Matunga, Mumbai. He has presented research papers titled

- 1) 'An Element ϕ -prime to Another Element in Multiplicative Lattices' in National E-Conference on 'Recent Trends in Pure and Applied Mathematics' (NCRTPAM-2021) held on 24th July 2021, organised by N. B. Navale Sinhgad College of Engineering, Solapur, in collaboration with Shivaji University Mathematical Society (SUMS), Kolhapur.
- 2) 'An Element ϕ - δ Primary to Another Element in Multiplicative Lattices' in International Conference on 'Advances in Applied & Computational Mathematics' (ICAACM-2021) held from 16th September 2021 to 17th September 2021, organised by the Department of Mathematics & Statistics, Manipal University, Jaipur.
- 3) 'An Element ϕ -primary to Another Element in Multiplicative Lattices' in International Conference on 'Algebra & Discrete Mathematics' held from May 26th, 2022 to May 28th, 2022, organised by the Department of Mathematics, Savitribai Phule Pune University.

The department continued the certificate course in '*Basics of Python Programming*' engaged by **Mr. Rahul Katkam**. As a part of Mathematics Discipline-Centric Activity under Social Involvement Programme (SIP), few students of FYBSC and SYBSC took remedial lectures for students who are weak in maths and this activity was coordinated by Mr. Rahul Katkam. Ms. Simi Cyriac continued taking the SCS (Scientific Communication Skills) course for SYBSC. All the department members participated in in-house webinars as well as workshops. The department members also worked on allotted committees of the college.

Ms. Meenal Kolkar, Head of Mathematics Department, went on medical/maternity leave in February 2022. Dr. Ashok Bingi took over as acting head. Mr. Tanay Kochrekar was appointed to take over the workload of Ms. Meenal Kolkar in her absence. In the end, the academic year has been an eventful one.

Dr. Ashok Bingi
Acting Head, Department of
Mathematics



Hands-on session in MATLAB workshop

MICROBIOLOGY

After more than one and half years of disruption due to COVID 19 students were back in the department in the second semester. Our labs must have shed tears of joy to see students back in action – staining, performing microbial culture work, using microscopes, learning basic molecular biology experiments.

Graduating Microbiology Class of 20-21

The department is proud to announce that Ms. Freya Cardozo graduated at the top of her Masters class with a CGPA of 10/10 while Ms. Sarah Thomas and Ms. Simran Nahata scored the highest CGPA amongst the undergraduate students, CGPA= 9.95/10. Several UG Students of the Batch 2021 joined Masters' programmes such as Erasmus Programme, Imperial college, University College (London), University of Adelaide, Institute of Technology Carlow, University of Vienna, University of Arizona, TIFR, MS Baroda, Khalsa college, DY Patil College, Manipal college of Higher education. Some others have obtained employment.

Ms. Freya Cardozo and Ms. Rajeshwari Kundar of the MSc batch of 2021 were selected for PhD programmes in reputed institutes.

New Faculty Appointment

Ms. Freya Cardozo, our alumna, was selected as new faculty in place of Dr. Pradnya Gogte.

Sad demise of alumna Dr. Khorshed Pavri (1927-2021)

Dr. Khorshed M Pavri, former Director of the National Institute of Virology (NIV), Pune, passed away at the age of 94 in Mumbai on Monday (Dec 27th 2021). She graduated with a first class in Microbiology in 1947 from the department of Microbiology, St. Xavier's College, Mumbai.

She was NIV's first woman director (1978-88), and steered the institute

to great heights. Dr. Pavri served on many national and international committees including those of the World Health Organisation (WHO). She was a member of the Scientific Committee to the Cabinet and also of the World AIDS Foundation.

Activities of MAXM (Microbiology Association of Xavier's Mumbai)

Career guidance webinar – 'Insights into Competitive Entrance Exams' – this online webinar initiated the 90 years celebration of the department, was held on the 9th February, 2022. The resource persons were our alumni who are research scholars and students of TIFR, Mumbai, Neha Banwani (PhD scholar), Anshit Singh, Anjali Patil (Masters' scholars).

An interactive Talk Series called 'Biospective' was organized. The first guest in this series was from the Department, Ms. Sangeetha Chavan.

On the 16th of Sept, 2021 the MAXM team and volunteers organized a welcome and orientation for the new first year students. They were taken on a virtual tour of the department and were introduced to faculty and student activities that are planned for the department.

An online graduation ceremony for the Batch of 2021 was organized. Dr. Vivien Amonkar, ex head, was the chief guest.

MAXM organized a much-appreciated, touching, and fun filled annual offline farewell for the graduating TYBSc and MSc students and for the retired Head, Ms. Miriam Stewart on the 26th April, 2022 in the Father Palacios Hall. It was an evening to remember.

MSc external projects

Two of our MSc Part 2 students worked for their external projects in renowned institutes, ACTREC and NIRRH-ICMR despite the pandemic. The other students enrolled for online

Coursera, Swayam and NPTEL courses to complete their credits.

Honour's Programme

The department continued to offer Honour's courses but in the online mode. 'Basics of animal tissue culture' a one credit course was conducted by Dr. Pampi Chakraborty. Students who managed to come to college were shown the ATC lab setup and cancer cell lines.

'Introduction to biostatistics', a one credit course was conducted by Ms. Snigdha Pain. Both the courses were appreciated by the participants.

Ten TY students successfully completed the Honours programme and will be receiving their certificates.

Discipline-Centric SIP

It was conducted as an online webinar - 'Hygiene habits at home'. This webinar was organized for the non-teaching staff of college.

Students made presentations on Importance of Handwashing, Safe drinking water, Street food, Segregation of wet and dry waste at home, Composting of wet waste at home and Covid appropriate behaviour. Interactions with the non-teaching staff, students and faculty were lively and educative.



UG Internships and NPTEL courses

Eleven TYBSc students completed their internship in various research centres and laboratories during the year. Ms. Emome Thingujam obtained an additional credit for completing 2 NPTEL courses, 'Bioengineering: An Interface with Biology and Medicine' by IIT Bombay from SWAYAM-NPTEL and 'Introduction to Biostatistics'.

Student scholarships

Ms. Jinisha Suvarna was awarded "Jayant Dhareshwar" IWSA (Indian women Scientist Association) Scholarship for 2020-2021. This is an award, which is given to a bright young girl student for pursuing her Bachelors in sciences and carries an amount of Rs 10,000/-.

NIRRH Quiz contest

A Biophysics quiz contest was held on the 28th February, 2022 at the National Institute of Research and Reproduction for science students of Mumbai to celebrate Science Day. The team from St. Xavier's which secured the second prize included MSc student Mr. Piyush Jire.

Research collaboration

Dr. Pampi Chakraborty has an ongoing research project with Radiation Medicine Centre, BARC on 'Anticancer effect of bio-pigments' being carried out by research intern Ms. Samidha Sudhir Patil an alumna.

Research Publications

Nagre Apeksha, Amonkar Vivien, **Talekar Aparna and Chakraborty Pampi**, Extraction of silver from waste X-ray films using proteases obtained from halotolerant bacteria *Salinivibrio costicola.*, *Research Journal of Biotechnology*. 16(5): pp. 88-93, May 2021

Shivali Patkar, Yashodhara Shinde, Priyanka Chindarkar and **Pampi Chakraborty**, Evaluation of antioxidant potential of pigments extracted from *Bacillus* spp. and *Halomonas* spp. isolated from the mangrove rhizosphere, *BioTechnology* 102 (2) pp. 157-169, 2021

DBT Builder grant

Several high-end instruments such as the Bioreactor, Biosafety cabinet, Electroporator, Multimode reader, Particle Analyzer, Tube Furnace single-zone were purchased for the department research project.

Staff members attended several online and offline workshops and faculty development programmes.

Internal Projects

MSc Part 2 students carried out group projects in Semester 4 which were guided by department faculty.

Other Department Projects

Professor Sangeetha Chavan guided TYBSc students to conduct a research project to study the impact of plant-growth-promoting bacteria on plants using hydroponics.

Dr. Pampi Chakraborty took on two interns, Ms. Sarah Thomas who worked on fruit wines and Ms. Jagjyot Kaur who worked on isolation of plant growth promoting rhizobacteria.

New Faculty, Ms. Freya Cardozo was guided by Dr. Pampi Chakraborty to study the antimicrobial effect of mangrove plants.

Retirement and Appointment of new HOD

Ms. Sangeetha Chavan took over the headship of the department on April 1st, 2022 from Ms. Miriam Stewart who retired from active teaching on the 31st of March 2022. Good wishes poured in from faculty, students and alumni for both beloved teachers.

Non-teaching faculty

Our non-teaching faculty attended several hands-on training sessions on Safety in the Laboratory, MS Word and MS Excel organized by the IQAC. They have been a constant support when the department decided to hold offline practicals for students in the even semester.

In conclusion

This extraordinary year with online, hybrid and offline teaching also happens to be our 90th birth anniversary. The department looks forward to celebrating this significant year and initiating special events, activities, workshops, programmes to begin its march towards our century!

Ms. Miriam Stewart
Head, Department of Microbiology

PHYSICS

This academic year continued with the online mode and hence, the new teaching, learning and evaluation techniques developed and adopted in the previous year were now further improved by the faculty and the students alike.

The first semester was completely online. Many faculty members took help of various devices so that they could write on the screen 'live' while teaching. This gave students an opportunity to learn the topic in the old 'chalk and blackboard' fashion. Faculty members taught the 'online' versions of the laboratory experiments. More videos for explanations were added to their teaching.

The second semester was conducted in a hybrid mode. Some students attended lectures in the college, but most others still attended online. This posed different challenges which were overcome successfully.

The second batch of our MSc course, with Astrophysics as the specialization, worked on their full semester thesis work with a detailed research project in their final semester under the guidance of the department faculty and researchers from many research institutes across the country. The thesis topics ranged across various sub-fields of Astrophysics and Cosmology, such as High Energy Astrophysics, Black Hole Physics, and study of stars clusters, Neutron stars, Quasar Absorbers, etc. For the evaluation of thesis and viva voce, examiners were invited from several other institutes.

Our annual physics exhibition 'Jigyasa' was held virtually this year under the convenorship of Dr. Ajay Yadav. Students from SYBSC, TYBSC, MSc Part- I and MSc Part-II had participated in this online exhibition activity. The theme of the exhibition was 'Exploring Forgotten Technologies', wherein students were supposed to make a 5 minute video on the theme mentioned above. About 55 videos were made in total and there was evaluation of these videos by in-house faculties. Top 15 exhibits were evaluated by external examiners. We

had invited two external examiners, Dr. Kiran Kolwankar and Dr. K. G. M. Nair, to evaluate the exhibits (videos) prepared by participating students on 30th September 2021. All the videos were uploaded on the Department's YouTube channel.

The annual student research seminar 'PROBE', held during the second semester, had to be conducted online as well due to the hybrid mode. The convener was Dr. Radhekrishna L Dubey and co-convener was Dr. Manojendu Choudhury. The 'PROBE' activity was compulsory for TY BSc & MSc students. The 'PROBE' was held on 7th March 2022. There were a total of 12 oral and 40 poster presentations. Oral presentations were judged by Dr. Dinesh Kala and Dr. Sujit Tandel. The poster presentations were first evaluated by in-house faculty who selected the top 10 posters. These top 10 posters were further evaluated by external judges Dr. K. Vedesankari and Dr. Rekha Ghorpade for awarding the prizes. The top three groups for both, oral as well as poster, were awarded along with a best poster design prize.

Moreover, we had a pre-PROBE lecture on 5th march by Mr. Arvind Paranjpye, Director, Nehru Planetarium. After the lecture, our department's newly acquired 6" Telescope, sponsored by the RUSA grant, was shown 'first light' by Mr. Arvind Paranjpye, and was made available to the students of the department.

An important co-curricular activity was a visit by Fr. Dr. Richard D'souza, a well-known Astrophysicist, working at the Vatican observatory and an eminent alumnus of the Physics Department. Fr. Richard visited us on 17th March 2022 and had an interactive session with the department faculty to discuss the MSc Physics (specialization Astrophysics) course structure and made many valuable suggestions. Later that day, he gave an interactive talk to the students on 'Galactic Archeology'. The TYBSC students and the MSc students found his lecture very interesting and inspiring.

This was followed by an interesting session held on 19th March 2022 for the present MSc students. We asked a few of our most recent Alumni, our first batch of MSc students, to showcase their thesis project work in the form of a short presentation. It was very important to make the students aware of these activities, in contrast to all the prior work which had happened online.

Farewell to Prof. Shyamala Bodhane:

Dr. Shyamala Bodhane superannuated from her distinguished service of 38 years to the Department on 31st December 2021. She has been a committed and passionate teacher and led the department ably for eight years. During her headship, the department made many innovative changes in its teaching and evaluation methods. Many generations of students remember her for her incredible teaching, invaluable guidance on careers and her concern for their academic and personal well-being. The department members will miss her for her invaluable support in times of need. We wish her a healthy and fulfilling retired life.

Student Activities:

- Mr. Farhaan Khan, a student of SYBSC, presented a working model of the project work 'Variation of Magnetic Force with Distance' at XXXV IAPT Annual Convention 2020-21 and National Seminar in Physics Teaching & Research (IPTR-2020-21). He was awarded 3rd prize in the National Competition for Innovative Experiment in Physics.
- Our students' activity group, the Society of Physics, also known as 'sigma-Phi', was also active and worked under the guidance of Dr. Rohan Jadhav.

Following activities were arranged for the department students by the Society of Physics:

- 1) Strange Metals and Black Holes - A talk by Dr. Subir Sachdev (Harvard University)

- 2) An expedition to look for new particles: Fundamental Physics at the Large Hadron Collider - A talk by Dr. Nishita Desai (TIFR)
- 3) UniSciFy - A collaborative orientation event for all science students
- 4) A journey to the Sun- A talk by Dr. Rakesh Mazumdar
- 5) 'Repulsion' - All India Physics Inter-College Debate Competition
- 6) Einstein-Rosen Bridge: A discussion club session by Chintan Patel
- 7) Astronomy beyond books by Dr. Arvind Paranjpye (Nehru Planetarium)
- 8) 'How to Science?' -A talk by Divyansh Mansukhani (Formerly at University of Glasgow)
- 9) Bending of Light and Black Holes - A talk by Mr. Ajit Kembhavi (IUCAA)
- 10) Active Galactic Nuclei: A laboratory for Extreme Physics by Dr. B Sunder Sahayanathan (ApSD- BARC)

Faculty activities:

- Dr. Shyamala Bodhane did an oral presentation on 'Enhancing Physics Learning Through Home Activity' at XXXV IAPT Annual Convention 2020-21 and National Seminar in Physics Teaching &

Research (IPTR-2020-21) held from 28th to 30th November, 2021.

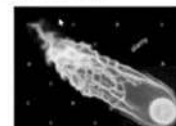
- Dr. Rohan Jadhav presented a poster on 'Enhancing Physics Learning through Home Activity' at XXXV IAPT Annual Convention 2020-21 and National Seminar in Physics Teaching & Research (IPTR-2020-21) held from 28th to 30th November, 2021.
- Dr. Rohan Jadhav successfully completed an online two week refresher course in Physics from 27th October to 10th November 2021, organized by the Teaching Learning Center of Ramanujan College, University of Delhi.
- Dr. Leena Joshi successfully completed an online two week refresher course in Physics from 27th October to 10th November 2021, organized by the Teaching Learning Center of Ramanujan College, University of Delhi.
- Dr. Leena Joshi participated as an Observer in the 22nd Asian Physics Olympiad 2022 held online from 23rd May – 31st May 2022.
- Dr. Radhekrishna L Dubey successfully completed an online two week refresher course in Physics from October 27th to November 10th, 2021, organized by the Teaching Learning Center of Ramanujan College, University of Delhi.

- Dr. Katherine Rawlins participated in the 'International Summer School on The Interstellar Medium of Galaxies, from the Epoch of Reionization to the Milky Way', organized virtually in July 2021 from Saclay, France, for early-career researchers. During this workshop, she was also part of an international group which worked on a mini-project 'Millimeter Rotational Lines as Powerful Diagnostics of the Physical Conditions inside a Giant Molecular Cloud - The Orion B case'
- Dr. Katherine Rawlins presented a poster titled 'Dust Grains in High-Redshift Damped Lyman-alpha Absorbers' at the workshop 'spatially Resolved Spectroscopy with Extremely Large Telescopes', organized virtually by University of Oxford in September 2021
- Dr. Katherine Rawlins presented a poster titled 'Dust and Molecules in High-Redshift Damped Lyman-alpha Absorbers' at '1st KIAA Forum on Gas in Galaxies for Early Career Scientists', organized virtually by Kavli Institute for Astronomy & Astrophysics, China in November 2021

Dr. Jyoti Singh
Head, Department of Physics



Pre-PROBE Lecture.



'Jigyasa' exhibits - thumbnail photos from YouTube channel.

POLITICAL SCIENCE

India started celebrating the 75th anniversary of our Independence, hence in Xavier's political Science Association- XPSA, we decided to dedicate all the activities of the department to the Indian Struggle for Independence. The theme selected for the year 2021-22 was 'Marching Towards Freedom'. The Department of Political Science completed 67 years and the Xavier's Political Science Association is proud to continue the legacy of the department in building political awareness amongst students.

The Association held its inaugural event 'India Approaching 75' on the 15th of August, 2021 with three distinguished speakers. A poetry writing competition was organized by the association with the theme 'India Marching Towards Freedom'. The winners of the competition recited their poems during the inaugural event. The panel of Speakers consisted of Capt. Alok Bansal (former Naval Officer, Director of India Foundation), Capt. Alok Bansal spoke about 'The Unsung Heroes of the Indian Freedom Struggle'. Late Mr. Shakti Sinha (former IAS officer and Secretary to our Ex-Prime Minister Shri Atal Bihari Vajpayee & Director of Atal Bihari Vajpayee Institute of Policy Research and International Studies, MS University, Vadodara), who summarised the 'Freedom Struggle of India from the First war of Independence in 1857 till August 1947' when we finally became free. The third speaker was Mrs. Premlata Gupta. Having witnessed the partition Mrs. Gupta shared her personal experiences during partition, her journey from Lahore to Punjab and gave a message of love and hope for the future generations.

PSYCHOLOGY

Aligned with the college motto 'Provocans Ad Volandum', the Psychology Department challenged students to go beyond their comfort zones and engage with the subject and each other. In a myriad of ways we have helped develop their academic acumen,

The Department of Political Science and XPSA grieves the loss of Mr. Shakti Sinha who passed away on the 4th of October 2021.

In association with the Ministry of External Affairs, Government of India, the XPSA organized the Students and MEA Engagement Program (SAMEEP). The objective of this session was to familiarise students with the role and functions of the MEA, key elements of India's Foreign Policy, success stories, and achievements on the Indian foreign policy front. The Department of Political Science was proud to host its Alumnus of the batch of 2010 Ms. Petal Gahlot, IFS. She belongs to the 2015 batch of the Indian Foreign Service and is currently posted in Delhi where she looks after India's bilateral relations with France, Germany and Monaco. She shared her experience of serving as an interpreter for Prime Minister Narendra Modi, Defence Minister Rajnath Singh and the former External Affairs Minister the Late Shrimati Sushma Swaraj Ji. During the Q&A session, students wanted to learn more about the life of a diplomat and how the career advances during their tenure. Miss Petal was glad to share her experience as a UPSC aspirant and as a diplomat who represents her country on the global stage.

Xavier's Political Science Association organized a lecture series on Western Political Thinkers on the 29th and 30th of September 2021. Prof. Rakesh Mishra, former Head of Department of Political Science, University of Lucknow, delivered a lecture on 'The Political Thought of Hegel' and Prof. Kannamma Raman, former Prof. Department of Political Science,

Mumbai University. Prof Raman delivered a lecture on 'The Theory of Justice' by John Rawls.

Our final event was an interactive session with Mr. Kamakhya Narayan Singh, director of Hindi film 'Bhor'. The movie was screened for the students virtually, followed by an interaction with the director. The film focuses on the issue of open defecation from the lens of a young girl from the Musahar community from Bihar. It dealt with other significant issues like caste discrimination, the abject poverty faced by the Musahar community, issues related to liquor, women's problems, issue of girl child education and finally the migration of people from rural areas to urban slums. The students were eager to know more about the issues. Mr. Singh shared his experience of filmmaking and this made the session very lively.

The department limited its activities as all were held virtually. We hope to get back to our vibrant self in the next academic year. We are grateful to our Principal Dr. Rajendra Shinde who has constantly supported and appreciated us for the activities, I would like to thank my team of XPSA, from TYBA the Chairperson Gary Godinho, Dimple Ved, Vanessa Lewis, Hishita Rao, Rishita Doke, Saksham Jain, Chhavi Kapoor, Vaishali Pitliya, and Felicia Nadar, from SYBA, Ayesha Mujawar, Bianca Chettiar, Rohit K and Ridhi Jain and from FYBA, Ishan Binod and Sijal Sagarika.

We eagerly await for more intellectually invigorating years ahead.

Dr. Pratiba Naitthani
Head, Department of Political Science

interpersonal skills and personality traits. The report for 2021-22 has been structured around the **Big 5 core dimensions of personality (openness, conscientiousness, extraversion, agreeableness and neuroticism).**

We began with a team building session for the TYs and the rest of the PSYCHOLOGY WORKSHOPS spanned a range of 8 themes including Forensic Psychology, Psychology of Wellbeing, Habit Management, Assertiveness, REBT.

These were offered as experiential learning opportunities to an interdisciplinary audience of students over specific weekends. Although most were online, they helped students interact and develop the trait of *extraversion*.

Four staff members (Prof. Ruby, Prof. Linda, Fr. Dean and Dr. Danielle) conducted the annual department SEMINAR on January 29th, 2022. We had 72 student participants registered and 21 presented papers with a lot of *conscientiousness*. The theme was 'Evolution of Psychology: Research, Approaches and Applications'. This activity is usually held in Khandala but for the past two years it has been online. Our seminar is a value-added experience offering students the opportunity to learn about conducting research, writing a seminar paper, making an engaging presentation to a group of peers, giving and receiving constructive feedback and bonding with students of Psychology across FY, SY and TY.

One of the advantages of the online mode was the ease of inviting GUEST SPEAKERS into our zoom classes. They brought in their academic and 'real world' expertise, engaging students in interactive sessions and inspiring them. We had 11 guest lectures on themes including Sexual Violence Prevention & Education, Research, Entrepreneurship, DEI as Organizational Change.

As students consider their options beyond their BA degree and make choices, the anxiety and *neuroticism* gives way to an emotional stability. Our career guidance symposium THE NEXT STEP was held on March 3rd, 2022. It was attended by 44 students from SY and TY Psychology. The 13 speakers (who were alumni of our department with a varied range of work experience) shared information and insights, covering a range of options that students could consider for further education and work.

The STUDENT EXTENSION activities & SIP contributed to their development of *agreeableness*.

Kabhi Khushi Kabhi Gham is a 'Festival of Feelings' organized by Prafula, to spread awareness about Mental Health. This year it was held at St. Dominic Savio School Campus, Andheri on November 28th, 2021. The 9 students who volunteered for this activity were trained by Prafula, supervised by Ms. Linda Dhakul, and assisted with the session on 'Healthy Child Mind Camp'.

As our **department centric SIP** we offered 29 students of the SY an opportunity to assist Std. X students of the Jesuit mission in **Shirpur**, Maharashtra with their studies. Our volunteers also engaged in motivating and encouraging these students to remain committed to continuing their education as well as to overcome academic difficulties through hard work and dedication to their studies. The feedback was very promising; most of our students found this very fulfilling as an extension activity of reaching out and helping to motivate others.

Here are a few highlights from activities of our PG PROGRAMS that were successful because our students displayed an *openness* to experiences.

The 4 student scholars from our MA Psychology: Lifespan Counselling course (Tanvi Sukhtankar, Aanchal Chauhan, Tanya Anthony, and Atulya Kharbanda) who were selected for the externship program **in collaboration with Rochester Institute of Technology**, have done excellent work.. Under the mentorship of Dr. Rupa Kalahasthi and the RIT team, they provided mental health services to the residents of a homeless shelter as well as completed research projects aiming to advance evidence-based care for the homeless in India.

Our MA Part I students also got an opportunity to observe and participate in the **Vocational Guidance Assessment** (administering, scoring, counselling) that was conducted for students of classes 9 and 10 of Alexandra Girls' English Institute, Fort by Ms. Tanyushka Hansotia and Ms.

Shivali Shah. The 17 MA students who volunteered for this field project were supervised by Prof. Ruchi Brahmachari and Mr. Pratik Shetty (TA).

On April 9th, 2022, our department conducted **The 3rd Xavier's Psychology Symposium 2022 -Community Mental Health in Action** in a hybrid mode. A total of 64 participants attended (online and offline). Dr. Caroline Easton (the Rochester Institute of Technology), Mr. Mohd. Tarique, (Director of the Koshish Field Action Project at TISS) and Dr. Abhijit Nadkarni (from the London School of Tropical Health and Medicine and Sangath), constituted our global and national level expert panelists. Their talks were followed by a panel discussion, moderated by Dr. Danielle Pereira.

The results of the research done between our **P.G.Diploma in Expressive Arts Therapy program** and the Art Therapy Department of Beit Berl College, Israel were converted into a trauma intervention model format for an international conference. The proposal was selected to be presented at Memory: Shaping Connections in the Arts Therapies, in September 2021, Vilnius University, Lithuania, Vilnius Academy of Arts. Due to Covid, the physical conference was postponed and will be held in September 2022. The presentation is titled Kaleidoscope - Memories of world lockdown: A trauma-informed cross-cultural perspective for Art-therapy during the CoVID-19-19 pandemic lockdown in Israel and India. Authors: Honig, O., Chakrabarti, O., Mehta Kadam, D., & Ram-Vlasov, N.

We end our report with CONGRATULATIONS to our TYBA Team (Sarah, Vedanshee, Ishitaa, Trisha, Zainab) who won the event Psych Surprise at Psych Insight 2021, the Jai Hind College psychology festival and to Anushka Arora (FYBA) who was a winner at Psynctorum 2022, organized by Sophia College. Shine on Xavier's... shine on!

Ms. Ruby Pavri
Head, Department of Psychology

MASTER OF PUBLIC POLICY

The program was envisioned based on the need of the hour to provide multi-disciplinary skills to understand, analyze and evaluate the ever-expanding role of government in the economy, polity, and society. The program aims to create public policy analysts trained to solve real world problems affecting the lives of large groups of citizens.

It is a constant endeavor of the department to get external experts from the field of academics, government, and NGOs.

Some examples of the **student enrichment programs** conducted in the academic year 2021-22 and attended:

- August 11th, 2021: Interactive session on India-Australia: Policy Making and Diplomacy by Mr. Michal Brown, Deputy Consul General, Australian Consulate General, Mumbai.
- August 31st, 2021: Interactive session on Indo-Mexican Relations: A Special Insight by H.E. Federico Salas Lotfe, Mexican Ambassador, Mexican Embassy, Delhi.
- September 2nd, 2021: Interactive session with Mr. Anindya Sarkar focusing on the process of urban planning in the creation of the smart city of Nava Raipur Atal Nagar in Chhattisgarh.
- September 20th, 2021: Alumna Sanchi, chairperson of Niti Samvaad 2017 shared insights with students on organizing Niti Samvaad, the department policy conclave.
- October 6th, 2021: An interactive session on the topic of Urban Poverty by Dr. Namesh Killemsetty, Asst. Professor at Jindal School of Government and Policy.
- February 24th, 2022: A talk by Mr. Rajinikandh, ARS, EVP, Broadcast

Audience Research Council on Audience Measurement.

- March 1st, 2022: Webinar on Career Prospects in Public Policy and Writing a CV conducted by Mr. Yash Agarwal, Public Policy Associate at Twitter.
- March 3rd, 2022: An interactive session with Ms. Surbhi Bhatia, an alumna and a data journalism fellow of the Tableau Foundation 2021-22 on Data Journalism.
- March 9th, 2022: A session conducted by Mr. Kiran Kumbhar (a doctoral fellow at Harvard University) titled, 'The Foundational Ideas of Health Policy in India'.
- March 12th, 2022: A talk by Mr. Arvind Singh, Senior Manager – Assessments at Educational Initiatives, titled 'Quantitative Methods in Educational Research'.

STUDENT ACHIEVEMENTS

1. Anupama Varma, Gyanvi Uppal, Harshvi Trivedi, Nikita Gupta, Paawani Tewari and Rhea Keny presented a paper on 'What Makes Women 'Party' Cipate? Studying the Gendered Politics of Indian Elections was accepted to the 2021 APPAM Fall Research Conference as a part of a(n) in-person panel. The 2021 APPAM Fall Research Conference was held on November 11 – November 13 in Texas, USA.
2. Anupama Varma, Gyanvi Uppal, Harshvi Trivedi, Nikita Gupta, Paawani Tewari and Rhea Keny presented their paper titled "What Makes a Winner: A Demographic Study of the Winners of the Maharashtra Assembly Election 2019." at the Summer School hosted by Moolya Foundation on 17th July 2021.
- Murchana Hazarika has been awarded the Teach for India Fellowship, Cohort of 2022.

- Anagha Lokhande cleared NABARD Grade an Exam in 2022 and has been posted as Assistant Manager, Department of Supervision, Ahmedabad Regional Office, NABARD.
- Glenna Dsouza is working at Aurora Health Innovations while pursuing the Master of Public Policy program. This has helped her to understand better the impact of government health policies on the beneficiaries.
- Ishan Kaur Khalsa secured admissions for Fall 2022 at Columbia University, New York University, Institute of Development Studies-University of Sussex, Geneva Graduate Institute and was also selected as a LAMP Fellow.
- Yash Thakoor: Awarded a scholarship to attend:
 - ◆ Course on Applying Design Thinking to Climate Action, offered by the Haute Ecole de Travail Social (HES-SO) Fribourg, Switzerland in 2022
 - ◆ Summer school in Malta in 2022 on Child Protection in Armed Conflict, by the Office of the Special Representative of the UN Secretary-General for Children and Armed Conflict (the OSRSG-CAAC).

It is heartening to note that many of our students have secured employment with well-known organizations like Niti Aayog, SwissNex, Foreign and Commonwealth Office (UK), Population Foundation of India, Chase India, Economic Intelligence Unit of the Economist, Dasra etc.

We look forward to expanding our horizons in the new academic year.

Dr. Agnelo Menezes
Compiled by **Nandini Naik**
Faculty, Department of
Public Policy

SOCIOLOGY AND ANTHROPOLOGY

The academic year 2021-22 was a blend of new opportunities, trials & errors and learnings for the Department of Sociology and Anthropology along with its constituent student bodies namely - The Academy of Sociology & Anthropology and the magazine EIDOS. From Panel Discussions to Annual Seminar, we have planned and executed engaging events throughout the year, albeit in the online mode due to the challenges presented.

The Mentor-Mentee Programme

September 2021 - November 2021

Mentor-Mentee Programme is the student-led initiative that aims to familiarise and provide academic support to the students of Sociology and Anthropology. For the first time ever, our flagship programme was carried out in online-virtual format using a virtual academic platform called 'Padlet'. The programme helped FY and SY Sociology-Anthropology students to connect with the subject, explore various discipline-oriented career options and a space for academic discussions.

Indian Sociology, Ethnic Identity and Conflict

25th September 2021 & 4th October 2021

The Academy of Sociology and Anthropology organised a series of discussions under the guidance of Prof. Radhika Rani, which were primarily focused for the SYBA students of Sociology and Anthropology. The discussions were carried out under the theme of ‘

Ethnicizing Partition Politics in Assam & The Citizenship Question by Prof. Binayak Datta, (25th September 2021), and the *Bodoland Conflict* by Dr. Suryasikha Pathak (4th October 2021).

Panel Discussion on Capitalism and Mental Health

(1st October 2021)

Ms. Janhavi Pandya, a Counselling Psychologist was accompanied by Ms.

Sroojana Iyer, who is an experienced Corporate employee, provided their real-life experiences in a Capitalist work space and what effect that has on one's mental wellbeing. The student-panellists Ms. Titiksha Raushan, a final year Sociology student along with Ms. Dhanisha Raj, a final year Economics student, provided various theoretical explanations and perspectives on the topic.

Filmy Friday (Theme: Capitalism)

Books & Movies Recommendations, October 2021

We presented a curated list of movies and books (non-academic) which talked about Capitalism through different perspectives and time periods. Movies ranging from Citizen Kane to The Platform presented Capitalism in its truest form. Some non-academic literary pieces such as 1984, The White Tiger, Attack on Titan were recommended by our student audience.

Deconstructing Realities Blog

“Training Sociological Lens on Films” was the annual theme of The Academy blog this year. Some of the themes on which students wrote articles and research and opinion pieces included ‘romanticization and/or normalisation of socially deviant behaviours’, ‘escapism’, ‘the power movies hold in today's world’, ‘representation in films: a boon or bane’, ‘the problems of inclusion in the film industry’, ‘a look at nepotism in the film industry’ and so on.

Application Fair

23rd & 27th November 2021, and 17th January, 2022

A series of interactive sessions were organised, especially for the TY students of the Department, which threw light on the process of applying for postgraduate courses in the country as well as abroad. Recently graduated alumni from the department were invited as panellists to share their experiences of applying for postgraduate courses.

- 1) MA Opportunities in India (with Kshiti Shobha Vikas, Vani Sharma, Kritika Sharma, and Muskaan Palod)
- 2) MA Opportunities abroad (with Diya Prabhu, Asiya Syed, Priyankha Elango, and Simone Lobo)
- 3) Tips to Prepare for Entrance Exams (with Om Kumar)

Annual Seminar as an Honours Program Activity

17th & 18th February, 2022

The theme for the online seminar was 'Hope'. A total of 16 papers were presented in sessions of 4 across 2 days. The topics covered ranged from hope for refugees to queerbaiting.

Staff Updates

Dr. Pranoti Chirmuley, was invited by the Department of Interreligious Studies (DIRS) for delivering 4 lectures: on 9th, 12th, 16th and 19th November 2021 as part of their course on Indigenous Traditions. On the 3rd of February 2022, she was invited by the Department of Sociology to deliver a lecture for their RUSA funded certificate course on 'social Research Methods and Academic Writing.' She also contributed an article in Marathi in the College Magazine titled: *Aai kuthe kaay karte*.

Ms. Radhika Rani joined the doctoral research program in Sociology of Education at Tata Institute of Social Sciences (Mumbai) in August, 2021. She completed an interdisciplinary refresher course in social sciences that was conducted by the Department of Geography, Mumbai University in November, 2021. She wrote an article in Hindi for the Marathi Vangmay Madal's annual magazine Pakharan on their theme of 'behind the curtains of communication'. She also participated in a 5-part workshop conducted by Fr. Gordon Daniells on "Teaching Value Education" in early 2022.

Ms. Ankita Gujar joined the Environment Committee and the

Magazine Committee this year (2021-2022). She attended the Colaba Townhall (online) with a team of St. Xavier's College students, conducted by ORF with the Minister for Environmental Affairs for Maharashtra, Mr. Aditya Thackeray. She attended a workshop on the New Education Policy held at St. Xavier's College - Autonomous, Mumbai. She completed an 8-day Faculty Development Program on "Pedagogy and Research Skills Development" from 21st to 29th June, 2021 organised by the Amity School of Languages, Amity University Maharashtra. She also successfully completed a 4-Week Online Orientation Programme for "Faculty In Universities/Colleges/ Institutions of Higher Education" from 17 September - 16 October 2021. This was conducted by the Teaching Learning Centre, Ramanujan College, University of Delhi. She collaborated with the Department of English to conduct a lecture on a Sociological and Art-centric gaze on the works of Kafka along with Dr. Rashmi George. She also conducted a session with the students of the University of Stuttgart

through the short-term programme of the CIP on Public Art and Artists in the time of the Pandemic. She led a team of 35 students to conduct micro-ethnographic fieldwork as a part of their discipline-centric SIP for the department. She wrote an article for the Marathi Vangmay Mandal's annual magazine, *Pakharan*, based on their theme for 2022: 'Behind the Curtains of Communication.' She also conducted a talk on 'street Art, Information and Expression in Urban India during the Pandemic' as a part of the Harvard Central-Asia Program through the CIP on the 17th of March, 2022.

Dr. Sahana Sen had joined the Examination Committee in the academic year 2020-21. In November 2021, she presented a paper in the Indian Sociological Society organised All India Sociological Conference titled, "Re-imagining Bernstein's Restricted Code: A Sociological Enquiry of the Buddhist Monastic pedagogical techniques in South India". She also was a part of a discussion based on the theme 'Class in Campus' which was organised by the 'student Inclusion Cell'. Additionally, she

organised a guest lecture for her course, Organisational Change and Development (ASOC 0609). The speaker was Mr. Sauraveswar Sen, the Chief Mentor and Founder of an organisation called Catalyst Learning Services on 3rd March 2022. She took over as the professor-in-charge for the department's blog, 'Deconstructing Realities'.

Ms. Arpit Gill contributed to a podcast episode for the Department of Inter-religious Studies' podcast, '*Krupaya Dhyam Dein*'. She took over as professor-in-charge of the student-led Academy of Sociology and Anthropology. She conducted a guest lecture for the second year students on 'Gender and Sports: Bodies and Power'.

Dr. Sahana Sen and Ms. Arpit Gill helped organise and were panellists for a talk held by the Student Inclusion Cell, titled 'Conversations on Class', on the 18th of December, 2021.

**Arpit Gill and
Radhika Rani**

Faculty, Department of
Sociology and Anthropology

STATISTICS

The academic year 2021-22 has once again been an eventful year for us in the Department of Statistics. Prof. Myrtle C. Fernandes voluntarily stepped down as Head of Department at the commencement of this year and retired in September. On behalf of the Department, I take this opportunity to thank Prof. Myrtle for her guidance and significant contribution to the Department not only over the past five years as Head of Department but throughout her 33 years of service here at St. Xavier's College. Her presence in the Department will be missed and we wish her the best in the years ahead.

As is customary in our department, the academic year 2021-22 commenced with preparations for the three-day programme for celebrating 'National Statistics Day' Programme on the

29th of June. Under the guidance of Dr. S. Annapurna and Ms. Piyali Unnikrishnan, two sessions were organised on 26th and 28th June. On the 26th a Panel Discussion was conducted for the Second & Third Year (SY & TY) BSc students of Statistics and IT. The theme of the discussion was 'Impact of ML and AI in day-to-day life.' The resource persons for this programme were: Siby Abraham (Professor - Centre of Excellence in Analytics & Data Science, NMIMS), Mr. Debjyoti Paul (Data scientist - Amazon Ads). Ms. Anagha Bhatkhande (Director-Statistical programming IQVIA Clinical Research Organization, Dr. Sitarama Brahmam (Senior Data Scientist-Component Engineering Group, Tata Consultancy Services Ltd.). On the 28th an Interactive session with Dr. Ramashastri (Retd. RBI Chief Manager in Charge - Department

of Information Technology) gave students an opportunity to learn and discuss issues pertaining to upcoming technology, money, AI and their influence on economic activity.

On the 29th The Stats Society, the official body of student representatives of the Department organised a Data Visualisation Competition for both SY and TYBSc students. Prof(s) Saju George, Myrtle Fernandes and Ayesha Dias guided the students for this event.

All three programmes were well attended and appreciated by the staff and students of the Department.

The Department organised a National Conference on September 25th, 2021, in collaboration with the Departments of Statistics and Mathematics, Thakur College of Science & Commerce Mumbai, under the aegis of DBT

Star Status. Kudos to Prof. Piyali Unnikrishnan who was the Convener of the Conference. The theme was 'Trends & Perspectives in Statistics and Mathematics: A Multi-Disciplinary Approach.' The conference was open to students, teachers and research scholars and the Department received positive feedback from the participants.

Our department strives to provide our students with opportunities to enhance their theoretical learning through various add-on courses. This year was no exception and several courses catering to both science and arts students were conducted. Experts from diverse fields were invited to conduct workshops/lecture series such as Mathematics for Economics, Decoding Sampling Techniques and Quant Finance to name a few. To enhance the training done within the syllabus additional software training was provided for the students through workshops on 'Machine Learning in R', 'Data Analysis in Python' and even training on Excel software for the First-Year students.

Entrance exams at every stage of a student's life are part of the academic process and even more so now in the current pandemic situation. The Department organised sessions on 'Quantitative & Logical Preparations for Entrance Exams and Interviews' for our SYBSc students, and a workshop titled 'Ace Aptitude tests - Unleash your potential' for the SYBA students.

Our department is fortunate to have enthusiastic alumni who are happy to come back to the Department to share their experience and provide valuable input to the current students. This year Mr. Vinayak Deshpande (MD, Sankhya Analytical Research; Director, Medicounts Life Sciences) an Industry expert on our Board of Studies, along with two of our alumni. Ms. Sayali Phadke (PhD in Statistics, Candidate at Penn State University) and Ms. Arpita (Data Scientist, Munich Reinsurance Company) were the resource persons for our career guidance programme titled 'Mastering Career Moves.' This programme was ably executed by The Alumni Liaison Team of students and the Stats Society. In addition, a programme titled 'A Deferred MBA programme' was organised for our SY & TY students wherein they had the opportunity to interact with the alumni on this subject.

Keeping in mind that the pandemic has had a silent but significant impact on the mental health of so many and that our students are no exception, the Department organised a workshop of three sessions titled 'Managing Stress in Everyday Life.' The resource person Prof. Linda Dakul, one of our own professors from the Department of Psychology encouraged students to introspect, understand themselves and others in these changing times and finally identify their own strengths and weaknesses. Students were highly appreciative of this programme.

I would like to place on record my appreciation and gratitude to my

colleagues in the Department for their wholehearted support and arduous work throughout the year. In spite of the challenges of online teaching and later hybrid teaching, our staff members generously gave their time to conduct guest lectures and/or attend Board of Studies meetings in other Departments and institutions.

A special thank you to the youngest members of our Department Prof(s) Mayur More, Mangesh Kutekar and Chhaya Panday who assisted in all Department activities with enthusiasm and dedication. In addition, the Department is grateful to Mr. Kishor Arbune, our Lab Attendant for efficiently performing his duties.

A big thank you to the student teams who assist the Department in its various tasks/programmes giving the Department a dynamic nature: The Stats Society, The Alumni Liaison Team, The Documentation Team, The Feedback & Analysis Team, The Certification Team, The Internship Team and The Editorial Teams of: The Plot - Annual Department Magazine & Statisquo - Department Blog.

Despite the challenges they faced with online learning, our TY students (Science and Arts) have all done well in their exams and several of them have received job offers in good companies through campus placement.

We wish them the best for their future.

Mr. Saju V. George
Head, Department of Statistics

ZOOLOGY

Number of students registered in the department: 222 of which,

FYBSC: 77

SYBSC + Cross faculty course: 33+55 and,

TYBSC+ Applied Component: 36+21

Student Activities:

Many student-based activities were carried out by Xavier's Zoology Association (XZA) and these have been mentioned in the association's report.

Staff Activities:

The following activities were attended by the staff of our department-

1. Mr. Conrad Cabral

Workshops attended:

- An online faculty workshop 'Planning a Budget' at St. Xavier's College, Mumbai, on 6th August 2021.
- A faculty workshop 'st. Xavier's College: The Journey Ahead... Crafting a Pragmatic, Strategic Plan 2021 - 2025' at St. Xavier's College, Mumbai, on 27th October 2021.

2. Dr. Madhuri Hambarde

As a resource person:

- Member of Board of Studies for Department of Zoology at Bajaj College of Science, Wardha.
- Vice-Chancellor's nominee as University Subject for CAS at Kirti College and Pendharkar College.

Workshops attended:

- An online faculty workshop 'Planning a Budget' at St. Xavier's College, Mumbai, on 6th August 2021.
- A faculty workshop 'st. Xavier's College: The Journey Ahead... Crafting a Pragmatic, Strategic Plan 2021 - 2025' at St. Xavier's College, Mumbai, on 27th October, 2021.

3. Dr. Pushpa \Sinkar

As a resource person:

Chairperson of the Board of Studies for Department of Zoology at SNTD University

Workshops/seminars attended:

- 'The Basics of Yoga' as a part of the International Yoga Day celebration, conducted by Ms. Sonali Das, founder of Aakaar Yoga on 21st June, 2022.
- A faculty workshop 'Helping to Fly: Easy, Effective Mentoring' held on 11th February, 2022.
- One Day Faculty Development Program on 'New Amendments in Career Advancement Scheme (CAS) as per the 7th Pay Commission' organized by the CAS Committee along with IQAC under the aegis of RUSA on Friday, 30th July 2021.
- International Lecture Series on Environmental Sustainability promoting UN Decade on Ecosystem Restoration 2021-22 held on 24th July 2021 conducted by Loreto College, India and IUCN CEM Mountain Ecosystem Specialist group.
- Completed a certification course in 'Computational Based Material Science' conducted at Guru Nanak Khalsa College from 16th to 26th January, 2022.
- Participated in a one day seminar on 'Environment in the COVID-19 times' held on 22nd February 2022 conducted by St. Xavier's College Mumbai and National Society of the Friends of the Tree.

4. Dr. Sujata Deshpande

As a resource person:

- Member of the Judge Panel for Final Round of 16th Inter Collegiate / Institute / Department Avishkar Research Convention 2021-22 organized by the Department of Students' Development, University of Mumbai for

Pure Sciences category and PG, PPG and TH Levels on 2nd May 2022.

- Conducted a lecture 'The Eyes of The Beholder' for the students of the summer camp organized by Vibgyor, Kalyan, on 6th May 2022.
- Part of the Editorial Board of 'Resonance: A Journal for Science Education' published by the Indian Academy of Sciences.
- Member of the Board of Studies of the PG programme in Critical Liberal Studies at KC College.
- Conducted lectures on Biostatistics for MSc Part I for students of Ruia College from September - October 2021.

Workshops/seminars attended:

- An online faculty workshop 'Planning a Budget' at St. Xavier's College, Mumbai, on 6th August 2021.
- A faculty workshop 'st. Xavier's College: The Journey Ahead... Crafting a Pragmatic, Strategic Plan 2021 - 2025' at St. Xavier's College, Mumbai on 27th October 2021.
- Completed online two week Interdisciplinary Refresher course on 'Research Methodology' organized by Ramanujan College, University of Delhi from 22 December 2021 - 05 January, 2022.
- An online faculty workshop 'National Education Policy 2020 for Higher Education', organized by St. Xavier's College, Mumbai on 10th January 2022.
- A faculty workshop 'Helping to Fly: Easy, Effective Mentoring' by St. Xavier's College, Mumbai on 11th February 2022.

Report of Honours Activities:

In the academic year 2021 - 22, Department of Zoology conducted the

following courses under the Honours Programme:

1. Wildlife Forensics was conducted by a team of trained forensic consultants and a faculty member. It was a one credit course, consisting of lectures and practicals which were conducted online due to the COVID-19 pandemic. It was open to FY, SY and TY students of all disciplines. 28 students completed the course successfully. The students learnt basic crime scene investigation protocols and specific analytical techniques of Wildlife Crime Investigation. The learnings of the students were enforced through the investigation of a 'Mock Wildlife Crime Scene'. In this exercise, the students processed the crime scene, evaluated the available evidence, analysed the items and reconstructed a case file of results obtained from this investigation.
2. Principle Skills in Wildlife Filmmaking was conducted by Harshit Singh (Department alumnus, MA in Wildlife Documentary Production). It was a one credit lecture course and was completed successfully by 14 students. The students learnt practices involved in wildlife film production. They also learnt to

combine science and media to create a film that is successful, entertaining as well projecting relevant causes from the wildlife and scientific aspects. The course involved lectures and practicals in which the students had to shoot their own film sequences. Based on the practical assignments, the students were assessed. The entire course was conducted online.

3. Digital Marketing & Branding was conducted by Yamina Sayed (Alumnus of the department, now an Entrepreneur, Founder & CEO of Digital Future Solutions, a digital marketing company in the field for the past 5 years, honoured with Top 100 Youth Digital Marketing Professional by Zoom and Most Influential Global Marketing Leader). It was a two credit lecture course and was open to FY, SY and TY students of all the disciplines. 16 students successfully completed the course. The students learnt the basics of Digital Marketing, Search Engine Optimization (SEO), Search Engine Marketing (SEM), Social Media Optimization (SMO), Graphics, Google Analytics/Google Console (Webmaster), Tool Integration, Mobile Marketing, Email Marketing, Branding and

how to work on a live project. The students were assessed based on a variety of assignments.

4. Introduction to Bioacoustics and its Applications in Marine Biology was conducted by a former student of the Department, Isha Shyam. The course introduced students to the fundamental concepts and jargon of Bioacoustics, and the techniques involved in analysing acoustic data. Additionally, the course also looked at case studies which used practical applications of Bioacoustics to solve biological questions. This one-credit course was open to Science students from SY and TY. Six students successfully completed the course.

Some screenshots of the courses are as follows:



Wildlife Forensics

Dr. Madhuri Hambarde,
Head, Department of Zoology

Research Department



BLATTER HERBARIUM

Though the pandemic ensued and the lockdown was in place, the routine herbarium work like repairing & remounting of herbarium specimens, changing species folders, plant authentication, scanning herbarium sheets, solving online queries, and plant research was still being carried out

without any hurdles. Post relaxation of lockdown norms, double vaccinated visitors with prior intimation were permitted to visit and do the herbarium reference. Seventeen researchers from various government and educational institutes visited the herbarium for reference, 54 plant authentication

certificates were issued, and 3 college visits were attended.

The Blatter Herbarium underwent infrastructural refurbishments in January 2022.

Mr. Alok Gude
In-charge Head,
Department of Botany

CAIUS RESEARCH LABORATORY

PhD Students Working in the laboratory:

Three PhD students - Mr. Sylvester Parkhey, Alumnus and PhD student in University of Mumbai, Ms. Mubasshira Shaikh and Mr. Saurabh Oswal work in the laboratory for research leading to PhD.

Consultancy:

A consultancy project was undertaken by the Caius Research Laboratory, with the company Hexagon Nutrition Pvt. Ltd. Andheri, for the analysis of TGF-Beta levels in casein and whey. The total cost of the project was Rs. 80,000/- (GST excluded). The samples provided by the company were analyzed and a report submitted. The results were also presented as a poster presentation at the Indian Clinical Nutrition Congress, 2022, at New Delhi, along with a paper submitted to Xplore (Science) journal.

Honours Program:

During the year 2021-22, three honours programs were conducted by Caius research Laboratory:

1. **Understanding Urban Sustainable Living for a Cleaner and Greener Planet:** The two credit honours program was conducted in collaboration with RUR Greenlife. The program started in the online mode during the Diwali vacation. A total of 14 students participated in the course and 10 completed the program. Dr. Aparna Pandey of RUR Greenlife was the resource person for the course. Evaluation

was based on continuous assignments and two action projects that were carried out by students - waste audit and tetra pack collection drive. The students gave a presentation on the action projects.

2. **Frontiers in Biology- an interdisciplinary approach:** The one credit program conducted in the online mode which focused on the recent trends in research in the field of biology involving interdisciplinary approach. Dr. Vivek Narayan, Dr. Sharon DSouza, Dr. Anand Krishnan, Dr. Leena Joshi, Dr. Ruhi Thorat, Dr. Thomas Rojas and Mr. Aditya Sarma were the resource persons for the program. A total of 32 students participated in the program.
3. **Intellectual Property Rights - concepts and applications:** The two credit program was conducted in the online mode during the Diwali vacation. The resource persons were advocates Mr. Man Mohan Amonkar, Mr. Raj Mohan Amonkar and Mr. Jacob Kadantot (High Court). A total of six students participated and completed the course.

International Symposium organized under the aegis of RUSA:

The Caius Research Laboratory in collaboration with the Department of Life Science and Biochemistry organized an online 'One-Day International Symposium Biowaves

2022: A structural approach to understanding macromolecules' under the aegis of RUSA on Saturday, 12th March 2022. The symposium was organized to commemorate Prof. G. N. Ramachandran's Centenary year.

National speakers/panelists:

- Dr. Siddhartha P. Sarma – Keynote Speaker: Professor & Chairman, Molecular Biophysics Unit, IISc Bangalore.
- Dr. Gayathri Pananghat: Associate Professor, Biological Sciences, IISER-Pune.
- Dr. Krishna Iyer: Principal I/C, Bombay College of Pharmacy.
- Dr. Prasenjit Bhaumik: Associate Professor, BSBE, IIT-Bombay.
- Dr. Dakshesh V. Mehta: Vice President (Technicals), MJ Biopharm.

International speakers/panelists:

- Dr. Shuchismita Dutta: Scientific Development Educational Lead, RCSB PDB, USA
- Dr. Krishna Chaitanya Suddala: Post-Doctoral Fellow, NIDDK, NIH, USA

Registration and Feedback:

Registration was online. There were 274 registrants and certificates were issued to 118 participants who were students, faculty and researchers from Mumbai and other parts of Maharashtra. Feedback was collected using a Google form, which was shared

with the participants after the last session.

Popular Lectures :

The following popular lectures were organized for the students and faculty of colleges in Mumbai:

1. A popular lecture was organized on Thursday 3rd February 2022, in collaboration with WDC, St. Xavier's College and Indian Women Scientists' Association supported by DAE -BRNS. Dr. Anushree Patil, MD, DGO, Scientist E, NIRRCH a talk titled "Polycystic Ovary Syndrome ". The webinar was organized in an online mode through Zoom (id: 995 5583 1769). The participants were faculty and students from different colleges of Mumbai - 66 of them participated in the webinar. Dr. Patil spoke to the participants about the causes, early diagnosis, treatment and management of PCOS among young girls and women.
2. A popular lecture on IPR awareness was organized in an online mode in collaboration with Office of Controller General of Patents, Designs and TradeMarks, GOI under the aegis of National IPR awareness mission. Mr. Sumedh Prabhakar Kadam (B. E, M. Tech), Examiner of Patents and Design was the resource person who provided valuable insights about the various aspects of IPR. A total of 38 participants consisting of faculty and students participated in the webinar.

Work presented in workshop/ conference

1. **Saving a Fragile Legacy – Interface of Arts, Science and Big History.** Dr. Priya Sundarrajan was a presenter at the 2021 Global Big History Conference, sponsored by the International Big History Association, the Asian Big History Association and the Indian Association for Big History, in collaboration with the Symbiosis School for Liberal Arts on the theme of 'Changing the World: Community, Science

and Engagement with Big History' held between 1st to 4th August, 2021, in the virtual mode.

2. **Utilization Of Potato Peel Extract as a Source of Natural Antioxidant and Incorporation into Value Added Products.** Mubasshira Mazharul Haque, Geeta Ibrahim, Priya Sundarrajan. The Seventh International Mediterranean Symposium on Medicinal and Aromatic Plants, November 18-20, 2021, Izmir – Turkey. (Page 75, ISBN 978-605-61261-9-2 (PDF). Dr. Priya Sundarrajan gave an oral presentation of the work at the conference. (http://www.mesmap.com/FileUpload/ks831353/File/mesmap7_final_abstract_and_proceeding_book_compressed.pdf)
3. **Screening and Isolation of Asparaginase Producers from Soil Source and its Application in Food products.** Priya Sundarrajan, Geeta Ibrahim, Joanna D'Costa. Second International Congress on Biological and Health Sciences. Held from 24th to 27th February, 2022 and organized by the Veterinary and Public Health Associations, Turkey. Published: 15/03/2022 ISBN: 978-605-71368-0-0. Dr. Priya Sundarrajan gave an oral presentation of the work at the conference.
4. **Poster presentation by Dr. Priya Sundarrajan: Estimation of TGF- β in Oral Nutritional Supplements (ONS) using Competitive ELISA technique.** Sylvester Parkhey, Priya Sundarrajan, Vishwas Sarangdhar and Sukhada-Bhatte-Paralkar. "Reconnecting Nutrition in 2022" IAPEN Indian Clinical Nutrition Congress - ICNC 2022, New Delhi Conference to be held from 19th & 20th March, 2022. (Poster Presentation) organized by IAPEN, Delhi Chapter.

Publications :

The following were the publications during the year in UGC - Care List/ Scopus/Web of Science Journals :

1. Zoya Shaikh, Priya Sundarrajan, Lekha Bhagtaney, Sadaf Zehra, Kamal Fatima Zahra, Boubakeur Badra, Belkis MucaYigit, Nimisha Patel, Hina Alim, Johra Khan and Ahmad Ali. Applicability of vitamins in the management of COVID-19: An overview. *Annals of Phytomedicine* 10(1): 65-76, 2021. ISSN- 2278-9839 (print), ISSN- 2393-9885 (online), Ukaz publications. Web of science. DOI: <http://dx.doi.org/10.21276/ap.covid19.2021.10.1.>
2. Sundarrajan Priya, Shivtarkar Swapnali, Rani Jain. Characterization of yeasts from various sources for bioethanol production and use of orange peel waste as substrate. *Xplore (Science Edition) Vol. 12 Issue 2*, 23-38. 2021. <https://ugccare.unipune.ac.in/Apps1/User/WebA/ViewDetails?JournalId=101002627&flag=Search>
3. Ananya Agnihotri, Asmita Chatterjee, Pranjali Divekar, Sayli Dbritto, Priya Sundarrajan, Binoj Kutty, Sangeeta Shetty. Study of factors influencing biofilm formation in *Cupriavidus* M1-41. *Xplore (Science Edition) Vol. 12 Issue 2*: 105-110. 2021. <https://ugccare.unipune.ac.in/Apps1/User/WebA/ViewDetails?JournalId=101002627&flag=Search>
4. Alex Sharon, Gangte Manglalsiem Obed and Sundarrajan Priya. Green Synthesis of Silver Nanoparticles using Plant Extracts and Their Applications for Water Purification and Anti-Diabetic Properties, *Res. J. Chem. Environ*, 26 (4): 27-35, April (2022). E-ISSN: 2278 – 4527 PRINT-ISSN No. 0972-0626 <https://www.scopus.com/sourceid/5300152224> Scopus list, Impact factor - 0.247, Publisher: International Congress of Chemistry and Environment
5. Priya Sundarrajan, Joanna D'Costa and Geeta Ibrahim., Screening and Isolation of Asparaginase Producers From Soil Source and its Application in Food Products *J. Adv. Sci. Res.*,

2022; 13 (3): 49-55. <https://doi.org/10.55218/JASR.202213309>.
ISSN number: 0976-9595.
<https://ugccare.unipune.ac.in/Apps1/User/WebA/SearchList>.

Central Instrumentation Facility (CIF)

The fully air-conditioned, state of the art, CIF currently houses equipment that the college had obtained through the DST – FIST grant of the Govt. Of India along with two instruments obtained from the UGC grant. The equipment includes the Gel Documentation system, two UV-Visible spectrophotometers - Shimadzu 1700 and 2700, Thermal Cycler, CO₂ incubator, Ultrasonicator, Lyophilizer, BOD Incubator, Electroporator, Gas Chromatography, HPTLC Applicator, Two-dimensional Gel Electrophoresis System, Laminar Air Flow, Biosafety Cabinet Class AII, Orion pH meter, Eppendorf cold centrifuge and microcentrifuge, Olympus bright field, pulse-field, and polarising microscope and -80° Deep Freezer. An ELISA reader and a fluorescent attachment obtained through the Lady Tata

workshop grant is also housed in the CIF. Some instruments procured through the DBT- Builder Grant like HPTLC, Q PCR, Fluorescence microscope are also housed in the laboratory. A fully functional Animal Tissue Culture Facility is available, where research using animal cell lines by faculty and students is being carried out.

Honours Program :

1. IPR: Concepts and applications: Two Credit Honours program
2. Urban Sustainable Development: Two Credit Honours Program
3. Frontiers in Biology: One credit Honours program

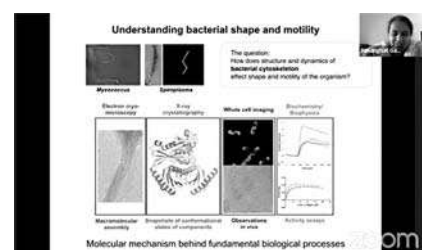
Popular Lectures :

Awareness session on PCOS: Webinar in collaboration with IWSA and WDC

Awareness session on IPR: In collaboration with Controller General of Patents, Designs and TradeMarks, GOI

International Symposium - Biowaves 2022: A structural approach to macromolecules.

Honours Program on IPR, resource person: Adv Rajmohan Amonkar



Dr. Priya Sundarrajan,

Director,
Caius Research Laboratory and CIF

DEPARTMENT OF INTER-RELIGIOUS STUDIES (DIRS)

The following is an overview of all the initiatives taken by the Department of Inter-Religious Studies in the year 2021-22. The theme of the year was 'Maitri' which was based on the idea of promoting the importance of friendship, not only amongst human beings but all living organisms. The feeling of friendship, which is beyond the barriers of age and even species, is one of the most important feelings especially in trying times like the COVID19 pandemic. Hence, the team incorporated this theme into their ventures over the years.

CULTURAL ACTIVITIES

To commemorate World Indigenous Day, a tribal art workshop was conducted on 9th August 2021. Our resource person Mr. Jignesh Valera engaged with more than 50

participants, imparting the knowledge and practice of Madhubani Art.

Later in the year, Team DIRS conceived and executed the "Matri Bhaav Production" in collaboration with the XIC. This production was put together by 13 student artists including singers, dancers and instrumentalists guided by Professor-in-charge Dr. Radha Kumar and Dr. (Fr.) Keith D'souza and it was shot in the premises of St. Xavier's College with the assistance of the XIC team of 12 students. The production depicted various 'Bhaavs' and highlighted the Maitri Bhaav through Indian Classical Dance and Music. The video was successfully released on 26th April 2022.



DIPLOMA, CERTIFICATE AND HONOURS COURSES

The DIRS continued with its eight-module Diploma on "Inter-Religious Traditions". Each module was offered as an honours course for Xavier's students. There were several participants for the entire diploma and well as for the various Honours Course modules.

A new Diploma in “Comparative and Applied Ethics” was initiated this year. There were four modules within this course which were offered as Honours courses for Xavier’s students. The diploma course was further subdivided into two somewhat independent certificate courses: “Comparative and Normative Ethics” and “Applied Ethics”. This course also received a good response for the diploma, certificate as well as the honours course modules.

The Department of Philosophy, Wilson College and the DIRS, St. Xavier’s College, initiated an online certificate course titled, “Communal Harmony: Theory and Practice.” The course began on the 24th of January 2022.

EVENTS

On 10th August 2021, on the occasion of World Indigenous Day, the Stan Swamy memorial lecture was conducted by Fr. Alex Ekka, a Jesuit scholar based at the Xavier Institute of Social Service, Ranchi.

In the month of September, a virtual orientation was held on 20th September 2021 for Xavierites, where the functioning of the department was explained. Furthermore, on the occasion of World Peace Day, the DIRS in collaboration with the Xavier’s Environmental Committee (XEC) organised an event on the United Nations Peace Theme: “Recovering better for an equitable world”. The event was held on 21st September 2021 with Dr. Rashmi Lee George and Prof. Sangeetha Chavan as the resource persons.

To commemorate Gandhi Jayanti, the DIRS hosts a Gandhi Lecture on 2nd

October every year. For the year 2021, DIRS invited Mr. Tushar Gandhi, the great grandson of Mahatma Gandhi, as the keynote speaker for the prestigious event. The session was moderated by Dr. Rashmi Lee George. Mr. Gandhi addressed the theme of “The Common Legacy of Babu and Babasaheb”. The session was very well attended.

The DIRS celebrated the “ART Of GIVING” through the Gift Culture Week in December, 2021. Through this venture, the DIRS team aims to build a spirit of togetherness and cultivate the art of giving and sharing. The aforementioned was conducted online, using the virtual platform of ‘padlet’.

In the month of January, a new “Harmony Lecture Series” was initiated. The very first Harmony Lecture was delivered on the theme of “Causes of Social Disharmony and Conflict: Philosophical Reflections”. Dr. (Fr.) Keith D’souza, SJ, Rector, St. Xavier’s College was the keynote speaker and the introductory comments were given by Dr. Pheroza Godrej. The session was chaired by Dr. Radha Kumar and it was conducted on 17th February, 2022.

BLOGS AND PODCAST

The New series of the Blog “Laughing Hippo” started with a blog written by Dr. (Fr.) Keith D’souza highlighting the importance of Teacher’s Day. Besides that, a blog was posted by the student team to mark the beginning of the Sarvajanic Ganesh Festival.

On December 3rd 2021, a blog entitled “Coming of age, friendships, and

things you need to give a chance” was published, showcasing college-life experience and all its possibilities. Later that month a blog called, “To Be Happy, Make Someone Else Happy!” was posted, which discussed the joys of the art of giving.

We began the new year with “The Tale of Danveer Karna”—a blog on the story of the eldest brother among the Pandavas. This was posted on the 15th of January 2022. A blog entitled “An open letter to all the Teenagers!” posted on 27th January 2022 explored themes of self-compassion and self-love for healing.

Our very own podcast “Krupya Dhyaan De” explored the psychological and social implications of adolescence with the help of Dr. Kathryn McGuthry from Fullerton College and Ms. Arpit Gill from the Sociology department of our college. This podcast was entitled “Compassion, Self-Care and The New Normal” and was posted on 5th February 2022.

On 23rd February 2022, a story named “The Two Girls on their Cycles” and on 27th February 2022, a poem “An Anchor to your Friendship” were posted on our official DIRS website. They explore the emotion of love and affection in friendship and also makes us realise the meaning of “True Friendship”. “The Art of Giving”, the last podcast of the year posted on 23rd March 2022, featured a discussion with the founder—and as he refers to himself, the first volunteer—of Team Everest, Mr. Karthee Vidya.

Compiled by
DIRS Team

HERAS

HERAS MEMORIAL LECTURES

Former Professor Aravind Ganachari delivered the 58th Series of Heras Memorial Lectures on the theme: Intellectual Origins of Social Reform Movement in the Nineteenth Century Maharashtra: A Critique of the Methods of Reforms. He discussed that the movement so loosely designated “the Hindu social reform movement” of 19th century Maharashtra that arose from a complex heterogeneous background of social and ideological factors, the latter associated with individual personalities, intellectual movements and schools of thought, in such a manner as to defy gross generalizations that are the substance of all too many interpretations of the phenomenon. As these lectures were on an online platform, they were attended by professors across the globe.

Webinar series on prominent historians in conversation

Prof. Usha Thakkar (President, Mani Bhavan Gandhi Sangrahalaya, Mumbai, Former Prof. and Head, Department of Political Science, S.N.D.T. Women’s University) was in conversation with Prof. Aravind Ganachari (Former Prof. and Head, Department of History, University of Mumbai). She shared her unique styles of presentations and argumentation methods employed in data collection and collation, all helpful tips for wholesome research.

On 10th February, 2022, another webinar was held with Prof. Geraldine Forbes (Distinguished

Professor Emerita, Department of History, State University of New York, Oswego) in conversation with **Dr. Mridula Ramanna** (Former Head, Department of History, SIES College, Mumbai).

Prof. Vinay Lal (Professor, Department of History and *Asian American Studies*, University of California, Los Angeles (UCLA) (Writer, Blogger, Cultural Commentator / Critic) was in conversation with **Prof. Kanchana Mahadevan** (Head, Department of Philosophy, University of Mumbai). Prof. Lal, in this conversation with Prof. Mahadevan discussed the politics of history in India, the relationship of history to the nation-state, trends in Indian Historiography, the implications of the democratization of the idea of 'the historian', and some other considerations vital to the practice and Philosophy of History on Sunday, 3rd April 2022, at 11.00 am IST.

Another series was held with Prof. Romila Thapar, Professor Emerita, Centre for Historical Studies, Jawaharlal Nehru University, New Delhi, in conversation with Prof. Kumkum Roy, Former Professor, Centre for Historical Studies, Jawaharlal Nehru University, New Delhi and Prof. Neeladri Bhattacharya, Former Professor, Centre for Historical Studies, Jawaharlal Nehru University, New Delhi. Prof. Thapar discussed her modes of presentation and argumentation, methods of data collection and collation, as well as shared her advice and that of her colleagues – Prof. Kumkum Roy

and Prof. Neeladri Bhattacharya on strategies for conducting research. This session was held on Thursday, 28th April 2022, at 6.30 pm.

Certificate Course on The Art of Narrative

In the month of November 2021, the Hears Institute of Indian History and Culture presented an honours course titled The Art of Narrative. It was offered between 24th November 2021 and 11th December 2021. The instructor was Vaishnavi Patil who is an alumna of St. Xavier’s College, Mumbai and currently pursuing a PhD at Harvard University, USA. The course was conducted for a batch of 20 people.

Staff Activities

Ms. Shilpa Chheda, Curator, coordinated the courses on Inter-Religious Traditions and Comparative and Applied Ethics, organized by the Department of Inter-Religious Studies, St. Xavier’s College, Mumbai. She was appointed as visiting faculty for the paper on “Buddha and His Dhamma”, in M. A. in Ambedkar Studies, a course organized by Dr. Babasaheb Ambedkar International Research Centre, University of Mumbai. She also gave a lecture on the “Role of Curator in Museum”, organized by the Department of History, Jai Hind College, Mumbai.

Ms. Shilpa Chhedda
Heras

Associations



ALL INDIA CATHOLIC UNIVERSITY FEDERATION (AICUF)



The AICUF selected “Co-existing Within Differences” as the theme for the academic year 2021-2022. There were two major initiatives during the year – Ujali, headed by the Women’s Commission and Indigena, headed by the Tribal Welfare Commission. Right through the year, the AICUF sub-committees aimed to actualize the three-fold mission of spiritual empowerment, personality enhancement and social emancipation. These are some of the highlights of the year:

- **Worship from Home: WFH** is an initiative by AICUF which is aimed at delivering messages on various motivational and inspirational topics to people far and wide.
- With the Tokyo Olympics 2021 going on, the AICUF organized a fun virtual session for the students to give them a feel of the Olympics on Friday 6th August 2021.
- The AICUF planned and executed a plantable Rakhi making workshop on 19th August 2021.
- **Personality Development Workshop** - The workshop was organized for underprivileged students ranging from ages 14-18 years conducted by Mr. Aditya Bhura, a certified CBT life coach.

- On the occasion of World Tribal Day, the AICUF made a post talking about the significance of the day and why it is celebrated.
- ‘Nama- Stay- Safe’, a session on cyber security and why it plays an important role in the present day and age was organized. Adv. Pallavi Pratap was the speaker.
- The musical event ‘Tunes of Tripura’ was held on 23rd September 2021 to celebrate the uniqueness of Tripuri music and culture.
- **AICUF Unplugged** - The Open Mic was the AICUF committees’ idea for a way to help our students, who had just given their exams, to relax and cool off a little.
- On the occasion of World Mental Health Day, the AICUF Committee made a post bringing forward the mental health problems faced by Refugees and Migrants.
- The ‘sustain to Maintain’ session was organized on the 30th of November. It was conducted by Program Director Ms. Chandrika Makwana and Senior Coordinator Mr. Sardarsingh Gohil of the Aatapi Seva Foundation.
- To share in the spirit of Christmas, the AICUF came up with the idea of a Carolling Competition

where we asked people to record and send us video entries of them singing Christmas carols.

- The AICUF organized a workshop named ‘Choosing A Career’ for underprivileged students on 22nd December 2021.
- **Ujali Day 1- ‘Imperfectly Perfect’** a session with on held on 10th February, Deanne De Menezes the resource person for the day, the founder of Red Is the New Green (RING), an award-winning registered NGO, working towards reducing the social stigma attached to menstruation and menstrual hygiene management.
- **Ujali Day 2 – ‘Veni Vidi Vici’**, the Ujali panel discussion was held on 11th February with Ravneet Kahlon, a counselling psychologist, Durga Gawde, a drag king, artist and LGBTQIA+ activist, Rishita Sharma, a plus Fashion Blogger and an influencer, and Priyanka Maydeo, a passionate dancer and choreographer.
- The short film ‘Masakali - We Fly High!’, was the highlight for this year’s event made by the team of AICUF Women’s Commission. It was officially revealed on 7th February through the social media handle of AICUF Maharashtra.
- The first main event of Indigena, the Gond Tribal Art Workshop was held on 5th February 2022, in collaboration with AICUF Manipur. The workshop was conducted by Miss. Kanika Singhal, professional artist, and the founder of an Instagram business page@folkartbykanika.
- The second main event of Indigena, a cultural evening program titled “JASHN-E-AADI”, was about celebrating the colourful rich culture of our Indian tribes.
- The first issue of The Phoenix was published on 15th November. The theme of this issue was “Quarantine Diaries”. The second issue for this year’s Phoenix was based on inclusivity and hence the name, Spectrum.

**Adriel Braganza,
Santosh Gidwani, Joyous Jiji,
Fr. Dean Fernandes S.J.**

ENTREPRENEURSHIP CELL AND SKILL HUB

Entrepreneurship Cell and Skill hub started this academic year intending to foster the spirit of entrepreneurship and to develop the skills of the students so that they can start their ventures.

Rashtriya Uchchar Shiksha Abhiyan (RUSA) funding helped us to organise numerous events. We used innovative methods such as Podcast, Videos and Students Entrepreneurs to encourage the entrepreneurship skills of the students.

The following programs were organised in the academic year 2021-2022.

Social Entrepreneurship: This Program was conducted in March to introduce the concept of Social Entrepreneurship to a total of 15 students who attended the program. It was for 15 hours.

A course on 'Business Analytics with Python' by Henry Harvin Education

The sessions were held from 1st February 2022 to 13th February 2022. The duration of the course was 32 hours. 50 students attended the programme. This program helped students to develop the skill of Python, which is a very useful tool in Artificial Intelligence.

Opportunities in the PR industry: The programme was conducted in February to improve the Public Relation Skill of the students. A total of 36 students attended the programme.

Case and Consultancy Interviews:

This was a two-day workshop for understanding and learning corporate cases. A total of 35 students attended the workshop.

Business Simulation: This program was conducted to understand the stimulations in businesses. 25 students attended this 15 hours programme.

The course on Digital Marketing Masterclass by IIDE!

Indian Institute of Digital Education conducted the programme in January 2022, with and attendance of 100 students.

Business Idea Competition

Inventure 2021-22- An Oasis of Opportunities: The Entrepreneurship Cell and Skill Hub, St. Xavier's College, Mumbai organised a startup and business ideation competition from 6th February to 16th February 2022. The event was conducted over 10 days and spread across 3 rounds. A networking event was also held to help the budding entrepreneurs get advice from established entrepreneurs. The competition's theme was 'An Oasis of Opportunities', which signified how entrepreneurship is a way for individuals to grow and sustain themselves through tough times.

35 teams from across India registered for the competition, which assured a competitive environment. Round 1 involved participants from different

colleges in India sending a pitch deck of their business idea, which was assessed by a panel of judges. Round 2 saw the participation of 15 teams, an elevator pitch round, where every team was given a limit of 120 seconds to pitch their idea to the judges, who would then question the feasibility and creativity of the ventures. Upon scoring the teams, only 8 teams moved on to the final round, which would determine the winner. Round 3 was designed to be a stress interview, where the teams progressing to the finals are questioned about their venture in-depth, and helped judges scrutinize every idea to the core.

There was a panel of four judges who ensured that the ideas received the right kind of guidance throughout the three rounds. The first was Mr. Jagan Cherukuri, an entrepreneur and business executive who has worked with Manipal Group, CitrusPay and InMobi. Next, we had Mr. Rajesh Lalwani, CEO of Scenario Consulting. He has been involved with Global brands and Startups. Mr. Dinesh Israni, entrepreneur and educationalist, also part of Naman Angels Foundation was the third judge. Mr. Vivek Bhojwani, CEO of Startup Consulting India rounded off the panel of judges for Inventure 2022.

Compiled by **Team E-cell**

FORENSIC SCIENCE AND CRIMINAL LAW MOCK CRIME SCENE TESTING FOR BLOOD

The 2021 – 2022 Diploma in Forensic Science and Criminal Law program commenced in July 2021. The program was facilitated using Zoom and Google Classroom. As always, we welcomed students from diverse backgrounds, eager to understand this multi-faceted field and apply it in their daily lives and careers.

The primary focus of the program is to build awareness about forensic science. This is achieved through experiential/simulated learning in the form of practicals, workshops and seminars conducted by eminent experts from the law enforcement and scientific community.

- Cyber Crime Investigation – Mr. Sachin Dedhia (Founder, Skynet Secure - Mumbai)
- Law - Adv. Ashish Chavan (High Court Advocate - Mumbai)
- Law – Adv. Smeet Contractor (High Court Advocate - Mumbai)

- Forensic Psychology – Ms. Pragma Lodha (Programme Director at The MINDS Foundation, Mumbai)
- Wildlife Forensics – Ms. C. Samyukta (Head of Wildlife Forensics, Wildlife Conservation Trust -Mumbai)
- Forensic Toxicology and Medicine – Ms. Pallavi Mohanty (Forensic Consultant, KwickSoft Solutions Pvt. Ltd. - Chennai)
- Wildlife Forensics – Mr. Andro Vos (CEO, Wildlife Forensic Academy – South Africa)

Equipped with theoretical knowledge coupled with virtual hands-on practice, the students researched and prepared extensive Case Study Reports in the form of ‘Mock Charge-Sheets’ which were then presented before professionals in the field in the form of a ‘Moot Court’. The aim of this exercise presented students an overview of the process of the Indian justice delivery system from ‘crime scene to courtroom’.

From December 2021 – February 2022, Ms. Riva Pocha and Ms. Alethea Vaz conducted a one credit Wildlife Forensics Honours Program for the Department of Zoology.

The 3-month Online Certificate Program in Forensic Science started by Dr. Pushpa Sinkar, Ms. Riva Pocha, Ms. Sejal Gupta and Ms. Alethea Vaz has successfully completed 10 batches since its inception in January 2017. The primary objective of the program is to make quality forensic education easily accessible by facilitating distance learning for students in all parts of India.

Dr. Pushpa Sinkar
Co-ordinator

Diploma in Forensic Science and
Criminal Law & Online Certificate
Program in Forensic Science

INDIAN MUSIC GROUP

Staying true to its motto of unfurling the wave of classical music, the Indian Music Group kicked off its activities for the year 2021-22 through the online medium. The year began with two sessions of ‘Artists Live’ on 24th September and 25th September, where we engaged in conversations with two artists about their journeys and the significance of Indian Classical Music in their lives. The first artist, Vivek Rajagopalan, a musician, composer, and innovator, shed light on how traditional music can be preserved by introducing contemporary elements to it and still keeping a hold of its roots. Our second artist, Akash Satish, talked about a younger generation’s perspective on India’s Classical music traditions.

The next event, ‘Aaroh’, was held on 6th and 7th November, 2021, where students of our College showcased their diverse talents. The performances ranged from vocals, instruments and two different dance styles. They were much loved and appreciated by the audience.

The last event for 2021 was ‘Viraasat’ held on 11th December which was divided into two sessions. The first

session was graced by Yadnesh Raikar, a young Violin Maestro, and his team. Dr. Srishti Budhori concluded Viraasat 2021 with her wonderful Bharatnatyam performance.



Our love of Indian Classical Music is what binds everyone together at IMG. Therefore we welcomed 2022 with our much-loved Music Appreciation Course on 20th February that provides an opportunity to learn the basics of Indian Classical Music. Ms. Rutuja Lad conducted the first session on ‘The Role of Bandish in Khayal Sangeet’. Thereafter, Shri Ashwin Iyer and Shri Rohin Iyer, fondly known as the ‘Toronto brothers’, conducted a session on ‘The Fundamentals for the Appreciation of South Indian Classical (Carnatic) Music’.

Lastly, after two years of being online, IMG made a comeback with its offline concert ‘Prarambh: A Musical Homecoming’ held on 23rd April 2022. In Session 1, we witnessed an enthralling instrumental ensemble performance by ‘ARAJ – Ishan and Friends’. For Session 2, we were lucky to have Vidushi Devaki Pandit Ji whose voice stayed back with the audience for days to come. The teamwork of the IMG workforce and love for Indian Classical Music is what made *Prarambh* a packed show. We are sincerely grateful to all the audience, members, artists, teaching and non-teaching staff who supported us throughout the year.



Dr. Bhaskar Saha
Convener

LAB SAFETY COMMITTEE

The committee for the year 2021-2022 includes the following members:

Dr. Rajendra Shinde -

Principal, St. Xavier's College –
Chairman

Dr. Priya Sundarrajan -

Director, Caius Research Laboratory,
Convener.

Dr. Karuna Gokarn -

Vice Principal Academics.

Dr. Shyamala Bhodhane -

Associate Professor, Department of
Physics.

Dr. Madhuri Hambarde -

Associate Professor, Department of
Zoology.

Dr. Geeta Kotian -

Department of Chemistry.

Dr. Vijaya Lobo -

Department of Botany.

Dr. Sujata Deshpande -

Department of Zoology.

Dr. Aparna Talekar -

Department of Microbiology.

Dr. Ashwin Pundalik -

Department of Geology.

- The first meeting of the committee for the AY 2021 was held on 30th July 2021 with the members in an online mode via zoom platform. It was suggested that the Lab Safety committee look into conducting Laboratory Safety seminars for both undergraduate and postgraduate students and sessions were planned to be conducted for safety in Physics, Chemistry and Biology Laboratories.
- The second meeting was held on 15th December, 2021 were the committee members discussed preparations for the NAAC visit on 20th and 21st January, 2022. A copy of the Lab Safety manual was made available to all the science departments.
- The third meeting was held on 21st February, 2021 to discuss the session on biosafety to be organized by the committee.

The lab safety committee organized the following activities on Laboratory Safety during the AY 2021-22. All the sessions were organized in the online mode for students and faculty members.

- A session on “Laboratory Safety and Transportation of Casualty” was organized on 20th August 2021. The resource person was Dr. Rupesh Gaikwad, Assistant Professor, Maharshi Dayanand College, Parel, Mumbai, who provided valuable insights about various hazardous chemicals, safety practices in chemistry laboratories and ways to prevent accidents. The lecture aimed at creating awareness about various safety related issues in the chemistry laboratory and first aid measures to be followed in case of accidents. A total of 116 students and faculty participated in the session.
- A session on “Safety in Physics Laboratory” was organized on 23rd September, 2021. The resource person was Mr. Shirish Pathare, Scientific Officer at the Homi Bhabha Center for Science Education - TIFR, Mumbai. Mr. Shirish covered safety aspects associated with handling equipment/instruments in physics laboratories like the micrometer screw gauge, pendulums, delicate glass items such as lenses, prisms and gratings used for optics experiments, lasers and magnets. A total of 114 participants attended the session.
- In order to spread awareness regarding Covid 19 and vaccination among students and parents, a webinar on “Covid Vaccination and Safety Precautions in the New Normal” was organized on Thursday, 28th October, 2021. The resource person was Dr. Gautam Bhansali, Chief Coordinator of all private hospitals in Mumbai for Covid-19 as well as a Consultant Physician at Bombay Hospital. Dr. Bhansali spoke about Covid

19, precautions to be taken by people and the safety aspects regarding vaccination. A total of 26 participants attended the session.

- A webinar on “Awareness on Biosafety in Laboratory” was organized on 5th March, 2022. The resource person was Mr. Rajratna Soni, Business Head, Kashyp Technoengicon India Pvt. Ltd, Mumbai. Mr. Soni talked about the various biosafety levels and different types of biosafety units as well as the safety measures that have to be taken in laboratories while handling microorganisms. A total of 52 students and faculty participated in the webinar.

The Institutional Biosafety Committee:

- As per Govt. of India regulations, organizations handling genetically modified organisms (GMOs) and recombinant DNA materials for research or production should constitute an IBSC with the DBT approval. In the regulatory framework, IBSC is one of the statutory bodies which operates directly from the premises of the institution and is responsible for proper implementation of biosafety rules, regulations and guidelines. The college IBSC, constituted in 2003, approved by DBT, Govt. of India, convenes regular meetings to monitor the GMO and recombinant DNA activities of the various on-going research projects. Two meetings of the committee were held on December 6th 2021 and April 8th 2022 respectively. Two new proposals and four proposals submitted earlier were reviewed between the two meetings and the minutes of the meetings and form C1 were forwarded to RCGM, DBT, New Delhi.

Dr. Priya Sundarrajan
Convener, Lab safety and
Biosafety Committee

MALHAR

Malhar 2021, the inter-collegiate cultural festival of St. Xavier's College, Mumbai was held on Sunday 29th August 2021 in an online mode. The theme of the year was Malhar Parallax: The Legacy Rerouted. It signified the transition of Malhar to an online platform in the wake of the COVID 19 pandemic, thus upholding its legacy of four decades. Despite the tough times, Malhar successfully enthralled the audience with its stark performances and events, and managed to garner enough publicity and sponsors for its execution.

Malhar had a workforce of around 150 members spanning 11 departments. The workforce was led by Rittika

Ghosh (Chairperson), Radhika Dikay (VCP, Networking), Kenn D'souza (VCP, Management) and Devdatta Rege (VCP, Events).

Malhar 2021 had twelve events spanning the Literary Arts, Fine Arts, Performing Arts and Esports, with 210 participants from colleges across the city. The festival was live streamed on the platform 'Insider' for an audience of around 1000 members. The winner of Malhar 2021 was the contingent from St. Xavier's College, Mumbai, with Mithibai College and RN Podar College as the runners-up.

The Malhar Conclave 2021 hosted many notable personalities such

as Lt. Gen. Satish Dua, Prof. John Lennox, Ashutosh Bishnoi, Sudhir Sitapati, Anita Nair, Dr. Urvashi Sahni, Sumita Ghose and Anurag Chauhan. Sessions focused on topics such as social entrepreneurship, AI and ethics, financial literacy amongst the youth and Youth rerouting pathways.

Malhar 2021, in its online edition, was able to rekindle the same spark that this beloved cultural festival has had for the past 42 years, and continues to staunchly exhibit its legacy year after year.

Devdatta Rege
SYBA

Vice-Chairperson (Events)

मराठी वाङ्मय मंडळ २०२१-२२ अहवाल

९९ वर्षांचा वारसा लाभलेले संत झेवियर्स महाविद्यालयातील मराठी वाङ्मय मंडळ हे मुंबई विद्यापीठातील सर्वात जुने मंडळ आहे. २०२१-२२ हे वर्ष मंडळासाठी online माध्यमातून नवीन उपक्रम राबविण्याची एक पर्वणी होती. यंदा मंडळाने ९९व्या वर्षात पदार्पण केले असून online ते offline असा प्रवास यशस्वीरीत्या पार पडला. कोरोना महामारीच्या काळात आशेचा किरण बनून सुरू झालेले हे वर्ष विविधांगी कार्यक्रमांनी परिपूर्ण ठरले.

कार्यक्रम राबवणे व संपूर्ण वर्षाचे नियोजन करणे, याबरोबरच मंडळाची प्रगती व सर्वसमावेशकतेकडे होणारी वाटचाल घडविण्यात वर्षाच्या सुरुवातीपासून अतोनात प्रयत्न करणारी मंडळी म्हणजे मंडळाची मुख्य कार्यकारिणी ९ एप्रिल २०२१ रोजी तीर्था सामंत, अनन्या महाले, ओमिका केसवानी, जाई खांडेकर व सिबीन डॅनियल यांची मंडळाच्या मुख्य कार्यकारिणीमध्ये अनुक्रमे मुख्य सचिव, उपसचिव (कार्यक्रम विभाग), उपसचिव (व्यवस्थापन विभाग), मुख्य समन्वयक (कार्यक्रम विभाग), मुख्य

समन्वयक (व्यवस्थापन विभाग) पदावर निवड झाली. शिवानी जोशी, अर्णव जोशी, जेरील विनोज, उर्मि सतरा, तीर्थांगी कुलकर्णी, कार्तिकी अरकल, गौरी सुर्वे, राधिका डिके, प्रणव काफरे, अनहद शुक्ला, रितीका पांडे, आयेशा मुजावर यांची १३ जून २०२१ मंडळाच्या कार्यकारिणीची निवड झाली.

महाराष्ट्र दिनानिमित्त (१ मे २०२१) मंडळाने यंदादेखील विशेष कार्यक्रमाचे आयोजन केले. आभासी माध्यमाद्वारे एकत्र येऊन कार्यक्रमाची आखणी केली गेली व मंडळाच्या यूट्यूब वाहिनीवरून कार्यक्रम प्रक्षेपित करण्यात आला. उन्हाळ्याची मजा घेता यावी म्हणून मंडळाने मे महिन्यात मंडळाच्या इंस्टाग्राम अकाउंट वर 'उन्हाड उन्हाळा' या विशेष उपक्रमाचे आयोजन केले होते. महाराष्ट्राचे प्रेरणास्थान असलेले छत्रपती शिवाजी महाराज यांच्या विषयी माहिती लोकांपर्यंत पोहोचवणे व त्यांना मानाचा मुजरा करण्याच्या निमित्ताने यंदा मंडळातर्फे शिवराज्याभिषेक दिनानिमित्त ६ जूनला 'तख्त मराठी' या विशेष

कार्यक्रमाचे आयोजन करण्यात आले. या कार्यक्रमात महाराजांची स्तुती गाणाऱ्या विविध कलाविष्कारांचा समावेश होता. पद्मविभूषण शिवशाहीर बाबासाहेब पुरंदरे यांच्या प्रेरणादायी व्याख्यानाचा एक भाग देखील कार्यक्रमात प्रक्षेपित केला गेला. गुरुपौर्णिमेनिमित्त 'वंदे गुरूम्' हा virtual कार्यक्रम पार पाडला. मंडळाच्या इंस्टाग्राम अकाउंट वर दिनांक १७ व १८ ऑगस्ट २०२१ रोजी आयोजित करण्यात आलेल्या क्लिक - Capturing Moments या Food फोटोग्राफी स्पर्धेसाठी सहभागी स्पर्धकांना त्यांनी काढलेले पारंपारिक महाराष्ट्रीयन खाद्यपदार्थांचे छायाचित्र पाठविण्यास सांगितले. तसेच १९ ऑगस्ट रोजी "जागतिक फोटोग्राफी दिनाच्या" निमित्ताने, मंडळाच्या Smile Please या इंस्टाग्राम लाईव्ह सेशन द्वारे प्रमुख अतिथी छायाचित्रकार इंद्रजीत खांबे सर यांनी फोटोग्राफी विषयी प्रेक्षकांशी संवाद साधला. तसेच नवरात्रोत्सवाचे औचित्य साधून Asiatic Society of Mumbai तर्फे आयोजित करण्यात आलेल्या Video

Making उपक्रमात मंडळाने 'भारतातील विविध राज्यांमध्ये असलेल्या दसऱ्याच्या विविध परंपरा' या विषयावर लघुपट तयार केला.

उद्घाटन सोहळा - चहा आणि बरंच काही... एक क्षण विश्रांती! (१७ सप्टेंबर २०२१); संत झेवियर्स महाविद्यालयाच्या मराठी वाङ्मय मंडळाचा उद्घाटन सोहळा १७ सप्टेंबर २०२१ रोजी पार पडला. या कार्यक्रमाचे यूट्यूब प्रीमियरद्वारे सायंकाळी सहा वाजता प्रक्षेपण करण्यात आले होते. कार्यक्रमास प्रमुख अतिथी म्हणून मानसशास्त्रज्ञ आणि समुपदेशक व मंडळाच्या माजी सदस्या व संपादिका मृण्मयी पाथरे यांनी आपणी उपस्थिती दर्शविली. "चहाला वेळ नसते, पण वेळेला चहा हवाच" या संकल्पनेवर आधारित यंदाचा उद्घाटन सोहळा "चहा आणि बरंच काही... एक क्षण विश्रांती" या रूपाने प्रेक्षकांच्या भेटीस आला. मुख्य अतिथी मृण्मयी पाथरे यांनी सांगितले की, "आपण कितीही कामात व्यस्त असलो तरीही आपल्या कुटुंबाला वेळ देणे खूप गरजेचे आहे. कारण त्यामुळे कुटुंबामध्ये एकता निर्माण होते आणि कुटुंब समृद्ध राहते. मराठी अभिमान गीताने कार्यक्रमाची सांगता करण्यात आली.

उद्घाटन सोहळ्यापूर्वी मंडळाने रोजच्या धकाधकीच्या जीवनातून एक हक्काचा ब्रेक या उद्देशातून "A cup of positivityTEA - हौशी ने खेळूया हाऊसी" या उद्घाटनपूर्व कार्यक्रमाचे आयोजन केले.

दिवाळी विशेष कार्यक्रम - तेजोमय: निखळ आनंद (८ ते ११ नोव्हेंबर २०२१): दीपावलीचे औचित्य साधून संत झेवियर्स महाविद्यालयाच्या मराठी वाङ्मय मंडळाने यंदा तेजोमय या विशेष कार्यक्रमाचे आयोजन केले. हा कार्यक्रम ८ ते ११ नोव्हेंबर २०२१ या चार दिवसांत पार पडला असून त्याचे आयोजन झूम द्वारे करण्यात आले

होते. लहान लहान गोष्टींमधून देखील प्रांजळ असा आनंद मिळवता येतो, या संकल्पनेवर आधारित तेजोमय २०२१ ची संकल्पना 'निखळ आनंद' अशी होती. यंदा तेजोमय एका नव्या रूपात सादर झाला. त्याअंतर्गत शब्दांची गोळाबेरीज ही निबंध स्पर्धा, "भाईचा कट्टा! An Open Mic Evening" (प्रमुख अतिथी - सुप्रिया पाठारे), "तेजांकित' २१ वारसा आनंदाचा" (प्रमुख अतिथी - मंडळाचे माजी मुख्य सचिव, सूत्रसंचालन - मुख्य सचिव २०२१-२२, "कलावली: रांगोळी मनोरंजनाची" या वर्कशॉप सीरीजद्वारे 'नृत्याभिनय: Where Dance meets Drama' व "चित्रकथी परंपरा: An Age Old Confluence of Art and Storytelling" आणि 'निखळ आनंद: एक परिसंवाद' (प्रमुख अतिथी - श्री पुष्कर श्रोत्री, IAS अधिकारी प्रांजल पाटील, डॉ. चिन्मू कात्रा) हे कार्यक्रम यशस्वीरीत्या पार पडले.

मराठी वाङ्मय मंडळ वार्षिक अंक प्रकाशन सोहळा - पखरण'२२ - संवादाच्या पडद्याआड (१७ जानेवारी २०२२); सालाबादप्रमाणे याही वर्षी "पखरण" या मंडळाच्या वार्षिक अनावरण, "पखरण-संवादाच्या पडद्याआड" या सोहळ्याद्वारे सोमवार दि. १७ जानेवारी रोजी झूम आणि यूट्यूब लाईव्ह या माध्यमांद्वारे पार पडले. यंदाचा "पखरण" संवाद या विषयावर आधारित असून, संवादाच्या विविध पैलूंवर भर देण्याचा प्रयत्न होता. अंक हा ऑनलाईन व ऑडिओ स्वरूपात सादर करण्यात आला. पखरणच्या अनावरण प्रसंगी सुप्रसिद्ध लेखक, कवी आणि गीतकार श्री वैभव जोशी यांची प्रमुख उपस्थिती होती. पखरणच्या अनावरण सोहळ्याआधी काय सांगशील ज्ञानदा?, बोल बिनधास्त, The Art of Conversation, अशी ३ इन्स्टाग्राम लाईव्ह सेशनस अनुक्रमे सुप्रसिद्ध पत्रकार ज्ञानदा कदम, कलाकार मैथिली

आपटे आणि अमन शुक्ला यांसोबत आयोजित केली होती.

मराठी भाषा गौरव दिन विशेष कार्यक्रम - अभिजात मराठी (२७ फेब्रुवारी २०२२): भाषेचा हा वारसा जतन करता यावा या उद्देशाने संत झेवियर्स महाविद्यालयाच्या मराठी वाङ्मय मंडळाने २७ फेब्रुवारी रोजी मराठी भाषा गौरव दिनाचे औचित्य साधून "अभिजात मराठी" या विशेष कार्यक्रमाचे आयोजन केले. यंदाच्या मराठी भाषा दिन सोहळ्यास श्री. कौशल इनामदार सर प्रमुख अतिथी म्हणून उपस्थित होते. सरांनी एक दिलेला एक मोलाचा सल्ला म्हणजे "वीज वाचणायची असेल तर ती सांभाळावी लागते आणि भाषा जपायची असेल तर ती वापरावी लागते." नेहमी प्रमाणेच विविधांगी सादरीकरणांद्वारे कार्यक्रम विभागाने सोहोळ्यात रंगत आणली.

आमोद २०२२ - वार्षिक आंतरमहाविद्यालयीन सोहळा (३ ते ५ मार्च २०२२): मंडळाची शान असलेला आमोद'२२ हा आंतरमहाविद्यालयीन सोहळा 'अखंड परंपरा, अतूट वारसा' या संकल्पनासह ३ ते ५ मार्च २०२२ या कालावधीत पार पडला. यंदा आमोदचे ९वे वर्ष होते. दरवर्षीप्रमाणे यंदाचा आमोद देखील कला, नाट्य, संगीत, नृत्य, साहित्य अशा सर्व विभागातील स्पर्धांनी बहुरंगी ठरला. याप्रमाणेच यावर्षी 'Informals' या नव्या विभागांतर्गत मनोरंजनात्मक व शकल लढवाच्या लागणाऱ्या चुरशीच्या स्पर्धांचे आयोजन करण्यात आले. या स्पर्धाबद्दल माहिती देण्यासाठी आणि आमोदचे नियम स्पर्धकांना समजावण्यासाठी ५ फेब्रुवारी २०२१ रोजी सायंकाळी कंटिजंट लीटर (सीएल) मीट झूमद्वारे आयोजित करण्यात आली होती. दिनांक १३ फेब्रुवारी रोजी 'ताल: जागर लोककलेचा' या जनसंपर्क कार्यक्रमाचे आयोजन करण्यात आले. आमोदच्या स्पर्धाना दिलीप प्रभावळकर, संभाजी सावंत, गणेश आचवल, संयोगिता भावे असे दर्जेदार परीक्षक लाभले.

पारितोषिक वितरण समारंभासाठी माननीय शेखर फडके सर प्रमुख पाहुणे म्हणून उपस्थित राहिले. सोहळ्यात मंडळातील सदस्यांनी आपल्या सुंदर कलाविष्काराने प्रेक्षकांचे मनोरंजन केले. आमोद'२२ चे विजेतेपद रूईया महाविद्यालयाने तर प्रथम व द्वितीय उपविजेतेपद अमुक्रमे के सी महाविद्यालय व पोद्दार महाविद्यालयाने पटकावले.

आंतरमहाविद्यालयीन स्पर्धामधील मराठी वाङ्मय मंडळाचे यशः प्रणव काफरे, अर्णव जोशी, मेरिष्का मकिनेन, अहान वैद्य यांच्या CL टीमने रूईया महाविद्यालयाच्या आरोहण

सोहळ्यात विजेतेपद पटकावले. एच आर कॉलेजच्या 'नांदी' या आंतरमहाविद्यालयीन स्पर्धेत संत झेवियर्स महाविद्यालयाने विजेतेपद पटकावले. CL टीममध्ये प्रसाद चव्हाण, शॉमिक रहाटे, साहिल गोस्वामी, आशना शेटी, आयेशा मुजावर यांचा समावेश होता. पोद्दार महाविद्यालयाच्या ऋतुरंग सोहळ्यात ओमिका केसवानी, तन्वी घोटगे या CL टीमने द्वितीय उपविजेतेपद पटकावलेय माय मराठी (के सी विद्यालय) सोहळ्यात तीर्था सामंत, जेरील बिनोज, नवनीत अजमेरा, तनिष्क परब यांच्या CL टीमने विजेतेपद पटकावले. महाविद्यालयाने

एल्फिन्स्टन महाविद्यालयाच्या महाराष्ट्रोत्सव (CL टीमः दिशीता छेडा, याशना हत्याळ, काव्या धावले, कार्तिकी अरकल) व साठचे महाविद्यालयाच्या सप्तरंग (CL टीमः राधिका डिके, मधुरिमा पोतदार, निसा ब्रास) या सोहळ्यात सहभाग घेतला. तसेच डॉ. पु. ग. सहस्त्रबुद्धे राज्यस्तरीय वक्तृत्व स्पर्धेमध्ये (स. प. महाविद्यालय, पुणे) फिरते करंडक (वरिष्ठ वर्ग) - दुर्गा येसादे, तीर्था सामंत यांनी पटकावले.

मराठी वाङ्मय मंडळ
समिती सदस्य

PLACEMENT CELL

Placement Team:

Ms. Soni George Tharakan (Placement Convener & Head of Department of Management Studies)

Mr. Parag Thinge (Placement Officer)

Faculty members: Prof Roy Thomas, Ms. Arpit Gill, Dr. Vijaya Lobo, Ms. Nandini Naik,

Dr. Jason Johns, Dr. Nikhila Bhatt, Ms. Ruchi Brahmachari, Ms. Aparna Kulkarni

Student Coordinators:

1. Sakshi Chudiwala - TYBMS
2. Chhavi Kapoor - TYBA
3. Priyal Jain - TYBMS
4. Khushi Jain - TYBA
5. Barretto Daniel Anthony - MSC Big Data
6. Atishay Somayaji - TYBMS
7. Pranav Jain - TYBSc IT
8. Mahak Bajaj- TY BSc IT
9. Rachel Vaz - TYBMS
10. Pawani Tiwari - MPP
11. Sanjna Sinha - MA Psychology

Number of Student Placed Stream wise.

Total No of Students placed in BA: 65

Total No of Students placed in BSc: 47

Total No of Students placed in BMS: 38

Total No of Students placed in BSc IT: 36

Total No of Students placed in Bcom: 7

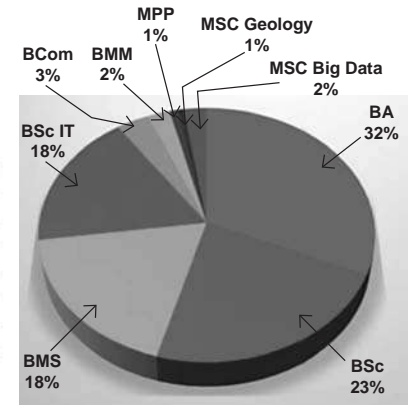
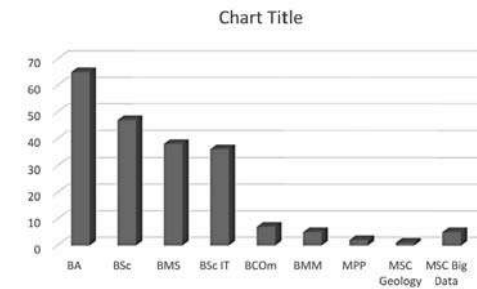
Total No of Students placed in BMM: 5

Total No of Students placed in MPP: 2

Total No of Students placed in Msc Geology: 1

Total No of Students placed in Msc Big Data: 5

Total No of Students Placed: 206



Salary Package:

Highest HUL: 30 Lakhs

Average Salary: 6.6 L

Lowest Salary: 2.4 L

Ms. Soni George Tharakan
Placement Cell Convener
Head, Department of Management Studies

SPORT

Due to the COVID-19 pandemic, no tournaments were conducted either in college or at the intercollegiate level in the academic year 2020–2021. To ensure participation at various inter-university tournaments, keeping in mind the COVID-19 protocols, it was decided to conduct selection trials in multiple sports and select teams that would represent The University of Mumbai for the West Zone and All India Universities Tournaments. We had students representing Maharashtra state at the junior and senior nationals.

The following students participated in various inter-university, state, and national level competitions:

West-Zone Representation	
Basketball (Women)	Suzanne Pinto (FYBMS) / Melody Menezes (FYBMS)
Hockey (Women)	Kelley John (MA Part- I Psychology)
Football (Women)	Florian Pereira (TYBA)
Table Tennis (Women)	Siya Hingorany (FYBA)
All India University Representation	
Basketball (Women)	Suzanne Pinto (FYBMS)
Football (Women)	Florian Pereira (TYBA)
Table Tennis (Women)	Siya Hingorany (FYBA)
Khelo India	
Basketball (Women)	Suzanne Pinto (FYBMS)
Table Tennis (Women)	Siya Hingorany (FYBA).
Open State/ National Representation	
Basketball (Women)	Suzanne Pinto (FYBMS)- Senior West Zone Senior Nationals
Football (Women)	Denise Pereira (FYBA) 26 th Senior Women's National Football Championship
Table Tennis (Women)	Siya Hingorany (FYBA) 83 rd Senior National Table Tennis Championship
Basketball (Men)	Suzanne Pinto (FYBMS)
Football (Women)	Florian Pereira (TYBA)

Our State & National Champions

Basketball

- **Aaron Correya:** Represented Mumbai North at the Maharashtra State Inter-District Junior Basketball Championship held at Aurangabad from December 12th to 16th, 2021.
- **Siddhant Biyani:** Represented Maharashtra at the 71st Junior National Basketball Championship, which was held from January 4th to January 10th, 2022 in Indore, Madhya Pradesh.
- **Melody Menezes:** Represented Mumbai University and competed in the West Zone Inter-University Tournament, which was held at Jiwaji University Gwalior from December 26th to December 30th, 2021.

- **Suzanne Pinto:** Represented Mumbai University at the West-Zone Inter-University Basketball Tournament (Women) held at Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore from 15th to 18th December, 2021.

The team further qualified for:

- The all India Inter Zonal Inter University Basketball (women) tournament held at D.C.R University, Sonapat from 12th to 16th January, 2022.
- Khelo India University Games held at Bangalore, Karnataka from 24th to 28th April, 2022.
- Represented Maharashtra at the Senior West Zone National Basketball Championship held at Indore, Madhya Pradesh from 22nd to 25th December, 2021.

- Represented Maharashtra at the Senior National Basketball Championship held at Chennai, Tamil Nadu from 3rd to 10th April, 2022.



Ringball

- **Radha Hardas:** Represented Maharashtra at the 9th Senior National Ringball Championship Tournament, which was held from June 4th to 6th, 2021 in Panipat, Haryana.



Football

- **Denise Pereira:** Represented Maharashtra at the 26th Senior Women's National Football Championship held in Kerala from November 28th to December 9th, 2021.
- **Kelley John:** Represented Mumbai University at the West-Zone Inter-University Tournament, which was held from December 26th to December 30th, 2021 at Jiwaji University in Gwalior.

- **Florian Pereira:** Represented Mumbai University at the West-Zone Inter-University Football Tournament (Women), which was held from December 18th to 22nd, 2021 at the University of Kota in Rajasthan.

The team also qualified for the All India Inter-Zonal Inter-University Football (Women) tournament, which will be held at Annamalai University in Chidambaram, Tamil Nadu, from December 27th to December 31st 2022.



Table Tennis Championship

- **Siya Hingorany:** Represented Mumbai University at the West-Zone Inter-University Table Tennis Tournament held at the University of Rajasthan, Jaipur from 26th to 29th December 2021.

The team further qualified for:

- The All India Inter-Zonal Inter-University Table Tennis Women's tournament held at Chandigarh University, Mohali from 15th to 19th March 2022.
- Khelo India University Games held at Jain University, Bangalore, Karnataka, from 29th April to 3rd May 2022.
- Represented the Mumbai Suburban District, held at Nashik from 3rd to 6th October 2021.

- Represented Maharashtra at the UTT National Ranking Table Tennis Championship held at:
- Dehradun, Uttarakhand from 7th to 14th December 2021.
- Pondicherry from 20th to 26th December 2021.
- Indore, Madhya Pradesh from 3rd to 9th January 2022.



Dr. Thomas Pires
Sports Director

WOMEN'S DEVELOPMENT CELL

WDC organised a Gender Sensitization Lecture series' between August to September, 2022 for all FY, SY BA, BSc, Bcom, IT, BMM, BMS students. The Resource Person was Renuka Mukadam, Councilor

A Workshop of PCOS jointly organized by WDC and Cius Research Centre and IWSA on PCOS by Resource person Dr. Anushree Patil, ICMR on 3rd February 2022

A program on Young Collective Voices for Safer Campus organized by Red Dot Foundation between February - March 2022.

A Lecture on Cyber safety on 8th March 2022 by Mr. Sachin Dedhia, Cyber Expert and Ethical Hacker

A Workshop on Women Health and Fitness on 8th March 2022 by Ms. Janvi Pandav, Fitness Guru and Athlete

WDC Convener 2021-22
Dr. Aditi Sawant

Members WDC 2021-22

- Prof. Annapurna S.
- Prof. Sangeeta Chavan
- Prof. Pushpa Sinkar
- Prof. Linda Dhakul
- Prof. Akshara Jadhav
- Prof. Saif
- Prof. Sanjay Parab
- Ms. Sonali Paradkar

Dr. Aditi Sawant,
Convener

XAVIER'S ENVIRONMENTAL COMMITTEE

The Xavier's Environmental Committee continued to work through the pandemic to create awareness and to actively promote sustainability and sustainable life styles via its social media posts on Instagram (@xec.xaviers) and Facebook, and by partnering with other departments for events organized in college.

Social Media Initiatives – Environmental Awareness Campaigns

- *Green Dictionary*: Words related to the environment, especially those used to 'green-wash' advertisements and marketing strategies were highlighted and their meaning explained to create awareness about the same.
- *Witty Wednesdays*: 30 sec Instagram reels were posted on topics of current environmental concerns and important information was shared in a fun-n-learn way.
- *Enviro-Times (or Thriving Thursdays)*: showcased and celebrated successful attempts at conserving the environment in order to spread positivity and to demonstrate how people putting in efforts to improve the environment can succeed.
- *Sustainable Saturdays*: This feature gave sustainable alternatives for traditional items used in day-to-day life, and sheds light on how much harm the non-sustainable object is causing and what difference the sustainable alternative would make. Website links of outlets selling the sustainable alternatives were shared to facilitate the transition towards sustainability.

- Regular posts were shared on environmentally important days like International E-waste day, International Food day, etc.

In-campus Energy Conservation activity

- *Electrical Mapping in College*: In order to prevent wastage of electricity in classrooms, laboratories, media rooms and teaching halls, the XEC team including XEC Heads and Chairperson, along with support from student volunteers from other departments conducted the Electrical Mapping in College in December 2021 under the supervision of Dr. Maya Murdeshwar from the Department of Life Science & Biochemistry. The process was to count the number of fans, lights and other electrical appliances in the room, map them to their respective switches on the switchboard and label the switches accordingly so that only those lights and fans that were needed could be switched on instead of keeping all of them switched on.

Collaborative Activities – Environmental Awareness Webinars & Discussions

- *Article with The Society of Physics, Sigma Phi*: XEC collaborated with The Society of Physics (Sigma Phi) to raise awareness about how Physics is helping create a greener, sustainable world. The article connected environmental issues to solutions that physics could provide. An article on the subject written by Ms. Ritu Katkar, Head - PR and Awareness, XEC, was published in the February 2022 issue of Eigengrau (Physics magazine).

- *The Sustainability Summit - collaboration with Commercium, The Commerce Society*

i) *Wear to Care: Sustainable Entrepreneurship Snapshot with Treewear*: The talk with Treewear founders, Mishal and Mikail Pardiwala was held on 16th September 2021 with 65+ attendees to encourage budding green entrepreneurs. The interactive session was followed by a case study competition.

ii) *A Glimpse into Corporate Sustainability with Shailesh Tyagi*: The webinar by Mr. Shailesh Tyagi, Partner, CCaSS (Climate Change and Sustainability Services) at Ernst & Young, attracted 50+ attendees. It was held on 22nd September 2021. Mr. Tyagi explained how corporate sustainability works at the industry level, how we can expect the real world application to look like, and how it benefits society as a whole.

- *World Peace Day 2021 Discussion - collaboration with DIRS*

On 21st September 2021 - World Peace Day 2021- the XEC in collaboration with the Department of Inter-Religious Studies (DIRS) hosted a discussion on the theme '*Recovering Better for a Sustainable and Equitable World*'. It was led by Dr. Rashmi Lee George and Prof. Sangeetha Chavan on various predetermined discussion statements. 40+ participants attended the enriching discussion, which ended with a question-answer session.

Dr. Sangeetha Chavan,
XEC - Xavier's Environmental
Committee

XICP

PG Diploma in Counselling Psychology

This year we commenced classes online on July 2nd, 2021 with the orientation. Regular classes started on Monday, July 5th. We started the year with 28 students, but one dropped out within the first month of the course while the other, towards the end of the course. They are graduating as a class of 26.

This year, with the support of our director Dr. (Fr.) Keith D'souza, all faculty Fr. Abhay, Ms. Linda, Dr. Shetty, Dr. Almeida, Ms. Irawati, Ms. Suchismita, Ms. Juhi, Ms. Avril and Dr. Fialho, lectured online till February 2022, and for the last two months (March and April) lectured offline and met the students in person.

The students appreciated having various guest lecturers. The experts included Dr. Aparna Joshi, Ms. Tanuja Babare, Dr. Shruti Chakravarthi, Ms. Advaita Nigudkar, Ms. Neha Trivedi, Dr. Willona Annunciation, Ms. Padmaja Tripathy, Ms. Mimansa Popat, Ms. Ashini Shah, Ms. Devika Mehta, Ms. Prachi Dokania and Ms. Rhea Gandhi. They lectured our students on a variety of topics, including online

counselling, crisis intervention and mental health from the margins to gestalt, art, play, movement, somatic and reality therapy as well as pharmacotherapy and group work.

In the first trimester, the students built on their theoretical knowledge and practised their counselling skills with their classmates, they had the usual submission of assignments.

In the second and third trimesters, the students gave group presentations on various therapies. They presented Music Therapy, Yoga Therapy, Animal Assisted Therapy, Neuro-Linguistic Programming and Narrative Therapy. The content was well researched and innovatively presented.

To suit the online modality, especially in the first two trimesters, the counselling practicum could not be run in the usual manner of visiting schools and institutes. Instead, students took individual counselling cases. The quality of most of the students' work was indeed commendable. They also conducted online workshops on various topics ranging from ageing positively to self-esteem, body image

and the effects of social media, targeting various age groups. Their coordination online for the workshops was once again harmonious.

In March and April, the module on Career was handled by Ms. Juhi and Ms. Avril, offline. Both the lecturers and students worked hard to organize the Career Practicum in April. Students designed charts and brochures on various careers. They counselled clients on careers as part of the practicum. Clients who were counselled by our students shared their appreciation for the career guidance they received.

The academic year ended on the 12th of April, 2022.

Certificate Course in Personal Counselling

Two batches completed the Certificate Course in Personal Counselling. The August to October batch had 25 Students while the January to March batch had 16 students. Both of the Certificate Courses were held online and received very positive feedback.

Dr. Noellene Fialho
Coordinator, XICP

"The more I read, the more I acquire, the more certain I am that I know nothing."

— Voltaire

To learn one must be humble. But life is the great teacher."

— James Joyce

XRCVC

As the St. Xavier's college campus gradually opened up once COVID-19 numbers began to come down, XRCVC's activities for the academic year 2020-21 shifted to hybrid mode. The centre was renovated as per COVID protocols.

In January 2022, St Xavier's College entered into an agreement with the Maharashtra State Faculty Development Academy (MSFDA), which has been set up by the Department of Higher and Technical Education to impart training to the faculty of Higher and Technical Education Institutions of Maharashtra. As part of this agreement, MSFDA has identified the college, and more specifically, XRCVC, as a collaborator for the development and implementation of capacity-building workshops for faculty members of Universities and affiliated colleges under the Department of Higher and Technical Education. St. Xavier's College (Autonomous), Mumbai (XRCVC) and MSFDA will jointly implement a program titled 'Training of Teachers in Inclusive Education' under this collaboration. The first training session under this collaboration was conducted in Pune in April 2022.

Additionally, XRCVC's SHAMIL project — which aims to promote inclusive education made rapid strides during the year. Our agreement with Atma, a leading NGO Accelerator which provides strategic solutions to help NGOs and social enterprises to build their capacity, continued.

In the academic year 2021–2022, 126 students with disabilities were enrolled at St. Xavier's College (Autonomous) in both junior college and senior college combined.

Membership base

In 2021-22, the XRCVC's membership base expanded to 851 persons. However, we do not restrict our offerings solely to our members. Our advocacy work allows us to touch — and hopefully transform — thousands of lives across the country.

We offer a range of direct support and training services to persons with disabilities, caregivers, educators, and institutions. Direct support provided includes scanning, demonstration of and training in the usage of assistive devices, career advice, basic computer training, software assistance, mobile phone usage training, smart cane usage training, Braille printing, follow-up with publishers for accessible copies of books, coordinating with educational institutions, banks and other financial bodies, etc.

Volunteer support

Despite all the advancements in technology, human assistance cannot be eliminated completely for persons with disability. The XRCVC provides volunteer services for:

- Reading
- Converting material into accessible formats for people with visual impairment — through typing, scanning, editing, recording
- Teaching — for any subject
- Examination taking — scribe facilities (this service is provided in collaboration with the Student Inclusion Cell of St Xavier's College)
- Any other requirement on a need basis

Approximately 170 volunteers and 7 interns worked with the centre during the year. These volunteers were drawn from the college's SIP programme and ECC programme.

Assistive technologies

The XRCVC houses an exhaustive list of assistive technologies (AT) that can be explored by persons with disability — as also employers, government bodies, and any other group that would like to know more about AT.

The centre purchased and upgraded its specialised software and hardware during the year. This included updating its screen reader (JAWS), screen-

reader-cum-magnifier (Supernova), acquiring and updating its OCR licenses for Abby fine reader and KIBO, acquiring other specialized software, namely GrindEQ MathType-to-Equation and Tactile View graphic Software, and acquiring hardware which included a C-Pen Reader, a portable OCR-based reader as also a Graphic drawing tablet.

Focused work areas

During the year, the XRCVC's activities were channelised through three main focus areas:

- a. Education & Learning (KG to PG)
- b. Accessibility Solutions and Inclusive Services
- c. Awareness

Given below is a summary of the activities in 2021-22 under each head.

A. Education & Learning (KG to PG)

While Right to Education has become a fundamental right in India, this right is far from being actualised for persons with disabilities. During the year, the XRCVC continued its work towards inclusive education practices and services at school, college, and higher education levels. Some of the many activities conducted are mentioned below:

- Ongoing work continued with students who are part of the XRCVC's comprehensive educational offering. During the year, we also regularly conducted training and sensitization sessions at Prime Academy (Andheri), Aarose International (Ulwe), and the South Indian Association.
- The other institutes we worked closely with during the year in helping the set-up of inclusive educational services are Sir P.T. Sarvajanic College of Science (Surat), IIT Delhi, IIT Madras and Kirori Mal College (Delhi).

- Work pertaining to book content creation and accessible study material creation continued through the year. Both staff and volunteers are engaged in this.
- We continued to collaborate with our various partners — including Inclusive Stem (I-Stem), Vision Empower, Social Alpha, Inter University Alliance (IUA), and Andrews Vision Centre.
- The XRCVC, through the year, continued its ongoing pioneering work in the area of mathematics and science education. Students were provided direct support services. The centre created accessible electronic textbooks, Teaching-Learning Aids (TLAs), and provided conceptual training to these students. In addition, it continued to build on its Teaching-Learning-Aids (TLA) resource library for mathematics and science education, starting Std 1 onwards.
- Ongoing work continued on the production of Concept Teaching Manuals (CTMs), which have been designed for use by teachers working with blind or low vision students. Special educators or parents working on a one-on-one basis, as well as classroom teachers and tuition teachers in an inclusive classroom can incorporate the information and ideas from these manuals. These CTMs cover interactive ways to teach concepts to blind or low vision students including the use of Teaching-Learning Aids (TLAs) in the form of activities, real objects, 3D educational toys and models, 2D tactile diagrams, etc.
- Other activities conducted during the year as part of XRCVC's inclusive education programme include a certificate course on disability studies at Wilson College, a STEM Awareness Workshop in collaboration with Enable India, and a five-day long online interdisciplinary faculty development program titled 'Inclusive Pedagogy: Engaging Students With Disabilities' for

college professors across the country in collaboration with The Centre for Disability Research and Training (CDRT), Kirori Mal College, University of Delhi in January 2022.

Personal and Career Guidance

Guidance was also provided to members and their families across disabilities to identify needs, interests and aptitudes as also troubleshoot and cope with concerns.

Scholarships

The XRCVC recognises the high costs of higher education and assistive technologies and offers scholarships and loan programmes for access technology to qualified students.

Sukruta Lotlikar, the topper among visually impaired graduates of St. Xavier's College, Mumbai, received the Lions Club of East Bombay Scholarship for the year. Four senior college students who are visually impaired received further education scholarships thanks to the assistance of the XRCVC. Each of them received Rs. 10,000 from the Help the Blind charity.

Under XRCVC's AT loan scheme, assistive technology devices like laptops, personal computers, handheld video magnifiers, were given to 7 members during the year. A distribution of Smartcanes was organised in XRCVC's Viviana Extension in Thane in May 2022, where canes were distributed to 19 visually impaired persons.

Training

The XRCVC imparts training in Computers, the use of specific assistive devices, Braille, Orientation & Mobility, Maths & Science, English language, and Life Skills through various training programmes. These are available for diverse learner groups — disabled persons, special educators, teacher trainers, and other stakeholders. Online training sessions during 2021-22 included customized workshops by various members of the XRCVC team including Poonam Deokar, Vikas Dabholkar, Neha Trivedi, Sushil Pandit, Keshavan Nadar, Krishna Warriar, Calveena D'sylva, and Aniket Gupta. Through the year, the XRCVC's training services reached out to a wide variety of participants (see Table 1).

Table 1: Education and Learning (June 2021 – May 2022)

Activity	Training and Workshops	Participants
1a. Computer Training and Assistive Technology awareness workshops for Persons with Disabilities	68	707
1b. Special Skills Trainings for Persons with Disabilities	6	17
1c. Stakeholder Trainings (for teachers)	10	236
1d. Access Content Creation (Persons trained)	11	167
1e. Access Content Creation (No of Pages Created). During the academic year 2021-22, the XRCVC produced 37 accessible books (totaling 5278 pages) and additionally 1226 Word pages / PPT slides of class notes.		6504 (pages created)
1f. Guidance Support for Persons with Disabilities and Families	-	26
1g. Inclusive Education Support (For St Xavier's College Students)	-	126

In May 2022, two external domain experts, Prashant Naik and Saidarshan Bhagat, conducted a session titled 'Using Assistive Technology for Advanced excel With JAWS' in XRCVC Viviana Extension.

B. Accessibility Solutions and Inclusion Services

Alongside Education Access, the XRCVC's advocacy initiatives work in three main areas to create accessible environments: Print Access, Financial Access, and Independent Living.

Print Access

The accessibility of printed works for people with visual impairments depends on their availability in accessible formats and the legal framework's acceptance of material conversion to accessible formats. The XRCVC has been putting in great effort to battle these obstacles.

During the academic year 2021-22, the XRCVC produced 37 accessible books (totaling 5,278 pages) and additionally 1226 Word pages / PPT slides of class notes.

Some of the other activities conducted under the Print Access initiative during the year are appended below.

- The centre was actively involved during the year in diverse Daisy Forum of India (DFI) print access activities focused on print-disabled persons.
- Accessible Book Production Standards training sessions were conducted regularly during the year by the XRCVC for numerous stakeholders.

Technology and Accessibility

Under the name "Reading Without Seeing," we inaugurated a very successful national awareness campaign in 2012. This outreach programme brought access technology to people who have low vision or blindness everywhere, and sparked the audience's interest, and gave them the fundamental knowledge to start their journey toward independently accessing the printed word. Participants in the class left with a basic understanding of a variety of assistive technology.

On the occasion of Global Accessibility Awareness Day, XRCVC conducted an awareness Workshop on Accessibility by showcasing the assistive

technologies such as Infra, Web and Daily living for bankers at BKC SBI Local Head Office for SBI Foundation Centre for Excellence (COE).

Testing and Research

In addition, XRCVC tested the following devices / software for accessibility during the year: In addition, XRCVC tested the following devices / software for accessibility during the year: The St Xavier's College website and exam marksheet portal, modules created by Sol's Arc, the Chetana website, Gradeazy and Eyecan app. Details about the work conducted this year in the areas of technology, accessibility, testing and research are available in Table 2. Details about the work conducted this year in the areas of technology, accessibility, testing and research are available in Table 2.

Table 2: Technology and Accessibility (June 2020 – May 2021)

Activity	Details	Participants
2a. Access Technology and Mainstream Technologies / Websites / Mobile Apps worked with for building accessibility	7 devices, apps, websites tested	-
2b. Access Technology Awareness workshops for General Audience	15 workshops	544

Financial Access

The ability to independently manage, operate and execute one's financial transactions is key to independent living. Lack of effective guidelines and lack of optimum use of technology in financial instruments has traditionally denied financial access to blind and low vision persons. The XRCVC has been striving to change this reality.

We also continued our close collaboration with the State Bank of India's Centre of Excellence (CoE), providing inputs for its various projects and programmes. The Centre of Excellence for PwDs is one of the SBI Foundation's flagship programmes. It was conceptualised with a goal to be a centralised support centre for persons with disabilities. It primarily works on empowering PwDs through

skill enhancement to make significant and measurable improvement that enables individuals to enjoy a more productive and satisfying life by optimising their cognitive, physical, social and vocational functioning.

C. Awareness

One of the main areas that will open opportunities for visually impaired people and those with other disabilities in a world where the rules are created for and by persons without disabilities is raising awareness about their lives and skills.

Antarchakshu® — The Eye Within is the title of XRCVC's flagship awareness programme. It is an immersive journey where sighted individuals gain insight into the world of people who are visually impaired. This programme was given a new avatar in 2018-19 as Antarchakshu® 2.0, where it is delivered as a series of customised, need-based sensitisation and awareness workshops in a marathon run reaching out to better numbers at the location of participants. This year, with the Covid-19 threat continuing to loom over the country but with lessening intensity, Antarchakshu 2.0 was conducted both online and offline, reaching out to many diverse stakeholders such as college students, corporates, professionals and the public at large.

Diversity Discourse, a special course that XRCVC had created for the Xavier Institute of Communication (XIC) in 2018-19, continued to be taught through the year. The goal was to raise participants' awareness of the various communities that society disregards both implicitly and overtly and to present a case for why it is imperative to include these communities in the mainstream of public discourse. The content was imparted mainly through interactive workshops to 236 students at XIC. Additionally, this course was also offered to students of St Xavier's College and Sophia College for Women. Awareness events were conducted for a variety of target groups across the year (see Table 3).

**Table 3 : Awareness and Sensitisation
(June 2021 – May 2022)**

Activity	Workshops	Participants
3a. Antarchakshu Workshops	78	2624
3b. Diversity Discourse Course	11	337

Conclusion

We would like to extend our gratitude to our funders, partners, and sponsors who have played a major role in making us what we are today.

We would like to specially thank Mr. Burjor H Antia, Dhun Pestonji Parakh Discretionary Trust, Mr. Vikram Utamsingh, Firoze Nowroji

Daroga Trust, Sheth Developers and Realtors (Viviana Mall), Lila K Jagtiani Foundation, N M Wadia Charities, Mendonsa Foundation, Morlidhar Premchand Shah and Pushpavati Morlidhar Shah Trust, Ms. Samakti Amit Shinde, Late Ervad Hormusji Pestonji Antia & Mrs. Dinamai Hormusji Antia Trust, Mr. Ankush Jain, Mr. Kunal Vilas Karnik, Ms. Rashna T Doongaji, Ms. Vahbiz Pestonjamasp, Ms. Persis Pestonjamasp, Lions Club of East Bombay, Futurz Staffing Solutions Pvt Ltd, Godrej Industries Ltd, Union Bank of India, SBI Mutual Fund and Tata Sons Pvt Ltd.

Many thanks to our sizeable team of volunteers, whose dedication makes

it possible for a simple organisation like the XRCVC to make a big impression and impact the lives of many individuals across the nation. We would like to express our sincere gratitude to St. Xavier’s College for showing other educational institutions around the country how a place of learning may actually be inclusive for people with disabilities. A special appreciation to the Jesuit Management and principal, Dr. Rajendra Shinde, whose unwavering support and direction have enabled the XRCVC to maintain its status as a centre of excellence across the country.

Dr. Sam Taraporewala
Executive Director, XRCVC



The Smartcane training being conducted by Mr. Keshavan Nadar at St. Xaviers College, Mumbai.



Ms. Calveena D’Sylva conducting an Orientation and Mobility training with 3 learners, using the white cane.

XAVIER'S ZOOLOGY ASSOCIATION

In the Academic Year 2021 – 22, the Xavier's Zoology Association conducted various events which included webinars, interactive talks, exhibitions and a quiz.

The following are some of the events that were conducted. "Youth for a cause" - an interactive talk with Team Urvari - Urvari Foundation on 24th August, 2021. A webinar on 'Know the Ghost Cat of Himalayas - The Snow Leopard' by Morup Namgail was conducted on 20th September, 2021. FY Walk of Life- "The Animal Kingdom", an online exhibition held specially for the FYBSc Zoology students to get them interested in the subject, displaying some of the specimens

in the animal kingdom was held on 25th September, 2021. A webinar on 'Langurs of the Oak Forest - In the Abode of the Himalayan Langur' by Virendra Mathur was held on 20th November, 2021. Webinar on 'Careers in Zoology' was held on 15th December, 2021 by Dr. Bivash Pandav. An online exhibition, open to all, titled, "Walk of Life - Bonds Across Biomes" had its YouTube premiere on 20th January, 2022. "Find the Fraud- A Course in Forensic Handwriting Analysis" was a series of lectures conducted by Ms. Althea Vaz in collaboration with the E-cell in November 2021.

The events of the XZA ended on 12th March 2022 with the XZA Quiz 2022

- "Olive Riddle-Me: The Annual XZA Quiz for the Biologist in You".

At the end of the academic year, XZA published the annual magazine, "Imprint" under the guidance of Dr. Sujata Deshpande, an Assistant Professor of the Zoology Department. In its past five editions, the magazine has explored various themes representing our natural world such as climate change, bioluminescence, animal communication and migration in the animal kingdom. This year, the magazine sheds light on the enthralling world of evolutionary biology.

Dr. Madhuri Hambarde,
Head, Department of Zoology

Learning is an ornament in prosperity, a refuge in adversity, and a provision in old age."

– Aristotle

"A man, though wise, should never be ashamed of learning more, and must unbend his mind."

– Sophocles, Antigone

"Tell me and I forget, teach me and I may remember, involve me and I learn."

– Benjamin Franklin



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