



**ST. XAVIER'S COLLEGE**  
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5, Mahapalika Marg, Mumbai - 400 001,  
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### **6.3.3.1: TRAINING PROGRAMMES FOR STAFF - 2017-18**

- ❖ **DBT (Star Scheme) sponsored workshop on Applied Statistics in Biological Science using R software**
- ❖ **One day workshop on Service Rules and Recent Amendment in UGC norms for API under CAS promotion**



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## **DBT (Star Scheme) sponsored workshop on Applied Statistics in Biological Science using R software**

Date: 27th – 29th September 2017 & 3rd October 2017

### **Report:**

The workshop was organized by the Department of Statistics, under the Star - DBT scheme for teachers and PhD/ M.Sc students.

Resource Person: Mr. Vinayak Deshpande - Founder, Managing Director: Sankhya Analytical Research Pvt. Ltd.

The workshop sessions were conducted on all the days from 9am to 2pm. The workshop was conducted as 2 modules.

Module I (27<sup>th</sup> – 28<sup>th</sup> September 2017)

- Parametric tests of significance.
  - Non-Parametric tests of significance.
  - Analysis of variance & covariance.
  - Multiple Linear Regression
- Module II (29<sup>th</sup> September and 3<sup>rd</sup> October 2017)

- Binary Logistic Regression
- Non-linear Regression Models.
- Survival Analysis
- Principal Component Analysis
- Statistical Inference using Bootstrapping method.

The workshop was attended by a total of 25 teachers and researchers. 14 participants were in-house faculty members and the rest belonged to other institutions (RF Hospital, SIES College, Ramnarain Ruia College). Few of the participants discussed their specific research problems and applications of methods learned in this course.

Software used: R and R Studio

Session Framework Each session included


Statistical theory.

R codes explanation followed by time allotted for hands-on R coding.

All case studies were designed keeping in mind the biological science background of the participants.



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### Study Material & Self Study

- Participants were given 16 presentations and datasets covering all topics of the training.
- Additionally, a separate handout was also shared which contains R codes for all 16 sessions.
- One assignment covering all topics were covered.

DBT (Star Scheme) sponsored workshop on Applied Statistics in Biological Science using R software  
on 27<sup>th</sup> to 29<sup>th</sup> September 2017 & 3<sup>rd</sup> October 2017



### List of participants:

Workshop on Applied Statistics in Biological Science using R software		
1	Alok Gude	Botany
2	Ayesha Dias	Statistics
3	Myrtle Fernandes	Statistics
4	Priya Sunderrajan	Life Science and Biochemistry
5	Pooja Ochaney	Statistics
6	Prashant S. Ratnaparkhi	Life Science and Biochemistry
7	Radhika Tendulkar	Life Science and Biochemistry
8	Saju George	Statistics
9	Piyali Unnikrishnan	Statistics
10	Conrad Cabral	Zoology
11	Sangeeta Chavan	Microbiology
12	Pampi Chakraborty	Microbiology
13	Annapurna S.	Statistics



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*Akshinde*  
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**St. Xavier's College, Mumbai (Autonomous)**



DEPARTMENT OF STATISTICS

Dr. Priya Sundarrajan of *St. Xavier's College Autonomous, Mumbai*, has participated in the DBT (Star Scheme) sponsored workshop on *Applied Statistics in Biological Sciences* using *R software*, conducted on 27<sup>th</sup> – 29<sup>th</sup> September and 3<sup>rd</sup> October, 2017.

Dr. Rajendra Shinde  
DBT Co-ordinator  
St. Xavier's College (Autonomous)

Ms. Myrtle C. Fernandes  
HOD, Department of Statistics  
St. Xavier's College (Autonomous)

Dr. Agnelo Menezes  
Principal  
St. Xavier's College (Autonomous)



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**One day workshop on Service Rules and Recent Amendment in UGC norms for API under CAS promotion**

Date: 22<sup>nd</sup> December 2017

Brochure

St. Xavier's College-Autonomous, Mumbai

Staff Placement Committee Workshop 22 December 2017

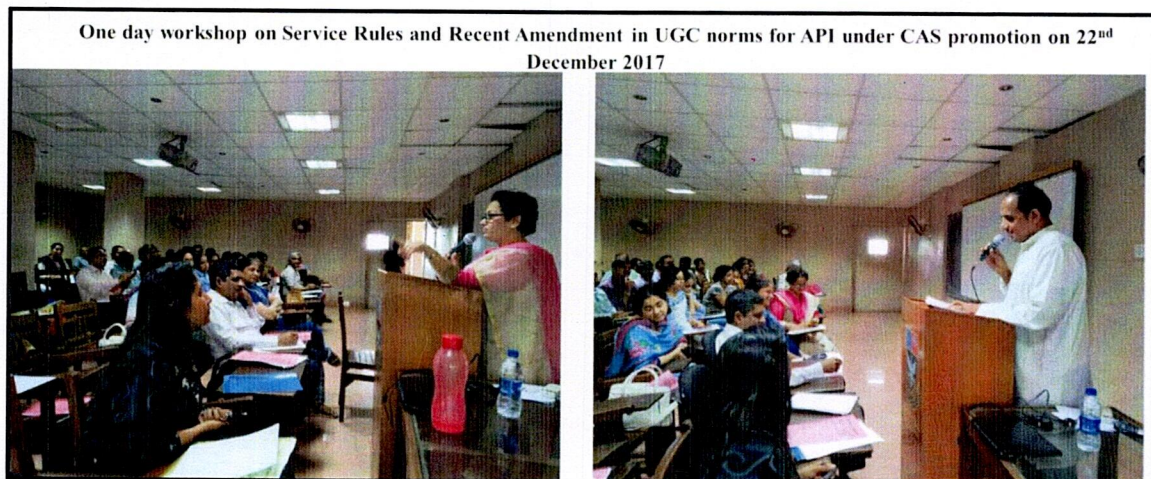
**API & CAS**  
the 4<sup>th</sup> Amendment

Applicable from June 2017

Compiled by Staff Placement Committee

Report :The staff placement committee under the aegis of Internal Quality assurance cell of Ts. Xavier's college Mumbai organised a one-day workshop on Service Rules and Recent Amendment in UGC norms for API under CAS promotion on 22<sup>nd</sup> December 2017.

Resource Person: Yogini Khare



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## WEEKLY CONNECT

Hello Everyone,

24/12/2017

Season's Greetings to You and Your Near and Dear Ones !!

The Week that was:

- 18/12: A Prayer Service for the late Mast Daga (our SYJC Science student) was held in SCAVI (11.30 am). Many of our SYJC Science students attended it. Thanks to **Fr Terry SJ, Fr Roy SJ, Linda** and **Neha (XRCVC)** for organizing this service.
- 21/12:
  - CIA 1 for Semesters II, IV & VI ended. Thanks to all those Staff Members who were involved (directly or indirectly) in making these internal exams happen without any major glitches.
  - Under **Maya's** leadership, a CIA Exam Committee Meeting (= 'post-mortem') was held (11.30 am, Board Room). The issues discussed will be taken up in the HoD Meeting in January 2018.
- 22/12:
  - Volantus**, the Junior College Fest, was successfully held. Thanks to **Savio, Aarti, Rajnipriya, Vinitha, Vandana, Sanjay, Kamlesh, Vaishali** and to all those other staff members who reached out on the final day. Many of our JC students got a platform for the first time in SXC to display their talents.
  - The **Senior College Staff Seminar** on CAS, API Score-Keeping and Service Conditions was held in LR 61, thanks to **Madhuri H, Praveen H, Prashant, Alpana, Pratibha** and **Binoj**. The sessions proved to be very informative - in fact, the interactions with **Yogini Ghare** were also very enriching.
  - The Supporting Staff Members organized a farewell programme for **Vijay Sharma**, the College Carpenter, who retires on 31/12/17.

### List of participants

Sl no	Name of the staff	Department
1	Meenal Kolkar	Mathematics
2	Simi Cyriac	Mathematics
3	Binoj Kutty	Life Science & Biochemistry
4	Abhilasha Jain	Chemistry
5	Rajendra Shinde	Botany
6	Suvaiba Pirani	Commerce



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*Shinde*

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## Certificate

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## *Certificate of Participation*

This is to certify that

**Ms. Simi M. Cyriac**

participated in a one day workshop on

**"Service Rules and Recent Amendment in UGC norms for API  
under CAS promotions"**

Organized by

Staff Placement Committee under the aegis of IQAC on

**22<sup>nd</sup> December, 2017.**

Convener.  
Staff Placement Committee

Principal.



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