

Department Of Statistics

Yearly Report July 2020 – June 2021

The following programs were organized by the Department of Statistics during the academic session July 2020 – June 2021 :

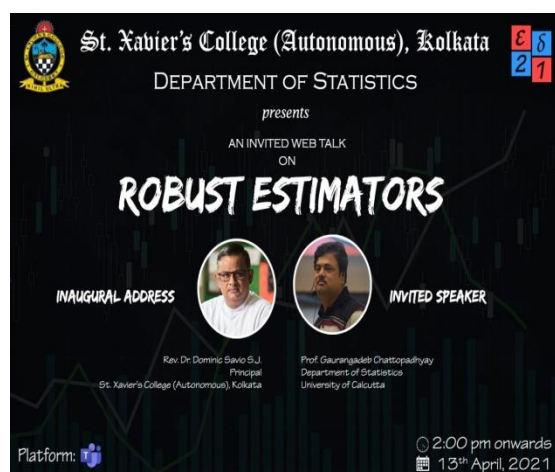
International Webinar on “Understanding Covid-19 Progression with Data Science” on 13th August, 2020

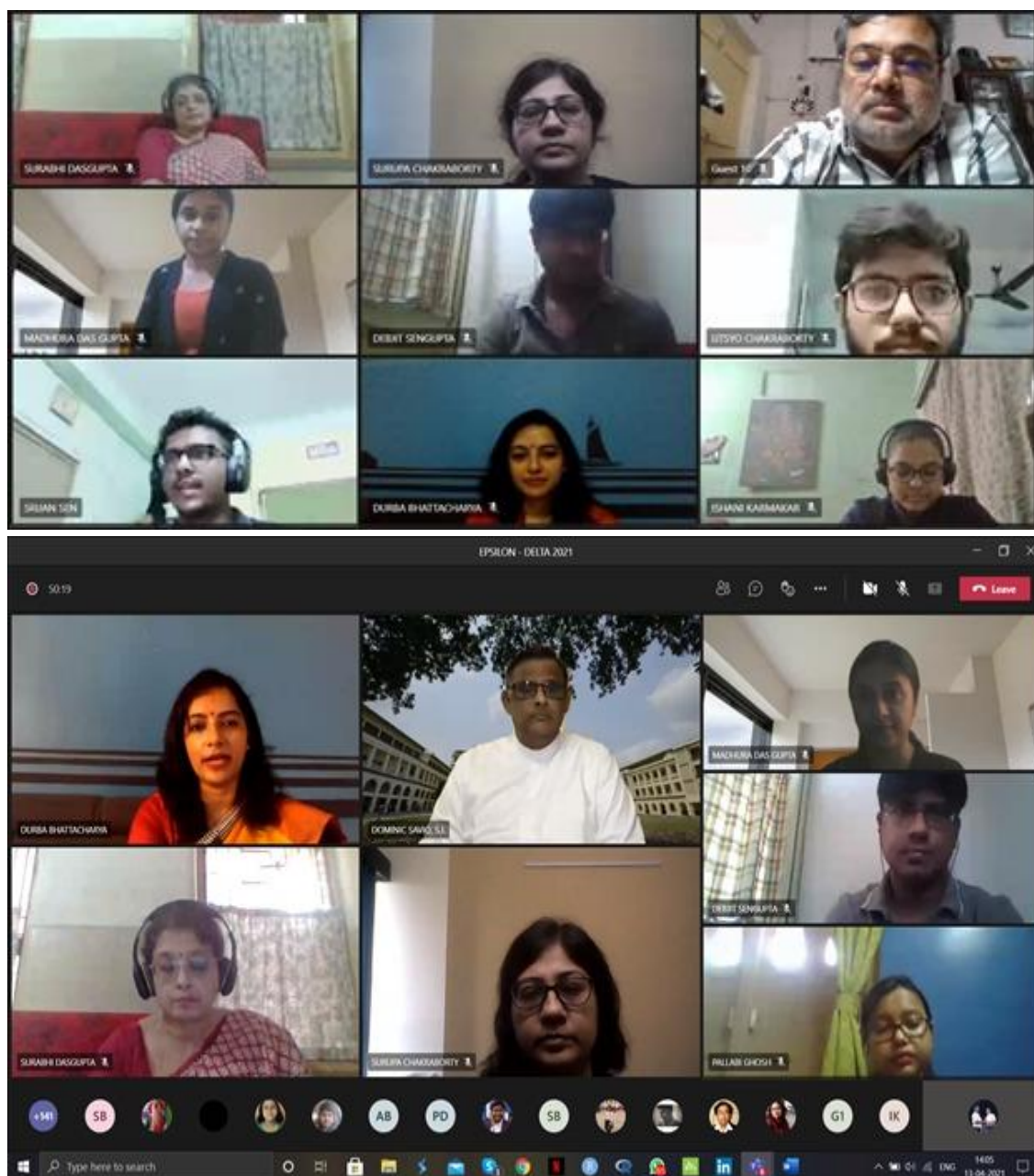
The Department organised a one-day International Webinar on “Understanding Covid-19 Progression with Data Science” on 13th August, 2020. The invited speakers were Prof. Arni S.R. Srinivasa Rao of Medical College of Georgia, Augusta University, United States and Prof. Sourish Das of Chennai Mathematical Institute, India.



Epsilon Delta, 2021

In the post-Covid era of new normal, the Department organised its annual departmental event, Epsilon Delta on 13th April, 2021 on the virtual platform MS Teams. The program commenced with the launch of the 13th edition of the Departmental Magazine Prakarsho. Prof. Gaurangadeb Chattopadhyay of Department of Statistics, University of Calcutta was the invited speaker of the day who presented an enlightening and informative talk on ‘Robust Estimators’. The department organised ‘Proectura’ – an inter-college paper presentation event where students from colleges all over India participated and presented their research papers and ideas. The event concluded with a short cultural presentation, performed and compiled by the students of the Department of Statistics. Over 200+ students virtually attended the event.





Academic Achievements of the Members of the Department:

Dr. Ayan Chandra

Lectures Delivered as Expert

Delivered an invited lecture in International Workshop on High Performance Computer Application organized by Azerbaijan State Oil and Industry University, Baku in Collaboration with St. Xavier's College (Autonomous), Kolkata during 17th and 18th November, 2020.

Dr. Surupa Chakraborty (Roy)

Publications:

1. Sengupta, D., Banerjee, T. & Roy, S. (2021): Estimation of Poisson mean with underreported counts: A double sampling approach. Australian and New Zealand Journal. 62 (4), Pg 508-535. (1 st published on 22nd Feb, 2021).
2. Sengupta, D., Roy, S. & Banerjee, T. (2020): Testing of Poisson mean with underreported counts. Brazilian Journal of Probability and Statistics. DOI: 10.12.14/20- BJPS493.
3. Adhya, S., Roy, S. & Banerjee, T. (2020): Prediction of finite population proportion when responses are misclassified. Journal of Survey Statistics and methodology. DOI: 10.1093/jssam/smaa027.

Prof. Debjit Sengupta

Publications:

1. Estimation of Poisson mean with under- reported counts: A double sampling approach. Australian and New Zealand Journal, **2020**. DOI: 10.1111/anz.12308. , 62(4) (*with T. Banerjee and S. Chakraborty*)

2. Testing of Poisson mean with under-reported counts. Brazilian Journal of Probability and Statistics, **2020**. DOI: 10.1214/20-BJPS493. 35(3) (*with S. Chakraborty and T. Banerjee*)

Highlights of Achievements of the students during the academic session July 2020 – June 2021

7 students qualified the ISI Entrance Exam for the MStat Course and 7 students qualified the JAM Entrance Exam for postgraduate programme under IITs. 3 students qualified the entrance exam for Data Science in Chennai Mathematical Institute.

3rd Year

1. Dhruvi Mundra secured second place in National Level Debate organised by IIM Ahmedabad (October, 2020)
2. Ishani Karmakar got placed in Deloitte as Associate Analyst in February, 2021.
3. Shreya Singhee got placed in Deloitte as Associate Analysis in February, 2021.

2nd Year

Anuroop Roy : Second Place at Coupe de-Mandeville Season 2 Football Tournament organised by Mandeville FC Club held on 10th April, 2021.

1st Year

1. Tarushee Agarwal : Chairperson at United Nations General Assembly at Sri Sri Model United Nations organized by Sri Sri Academy held from 16th October to 18th October, 2020.
2. Yuvraj Dutta : Secured the position of Special Mention in UNICEF Committee of Flagship 5.0 organised by Gujarat Model United Nations held from 29th January to 30th January, 2021.
3. Yenisi Das : JBNSTS Bigyani Kanya MedhaBritti Award, 2020 organised by Jagadish Bose National Science Talent Search held on 19th February, 2021.
4. Srinjoy Chaudhuri : Campus Ambassador Internship organized by ELAN & NVISION, IIT, Hyderabad held on 7th February, 2021.
5. Abhay Ashok Kansal: Student Ambassador Program organised by Hindu Youth Summit 2021 held from 21st to 23rd February, 2021.