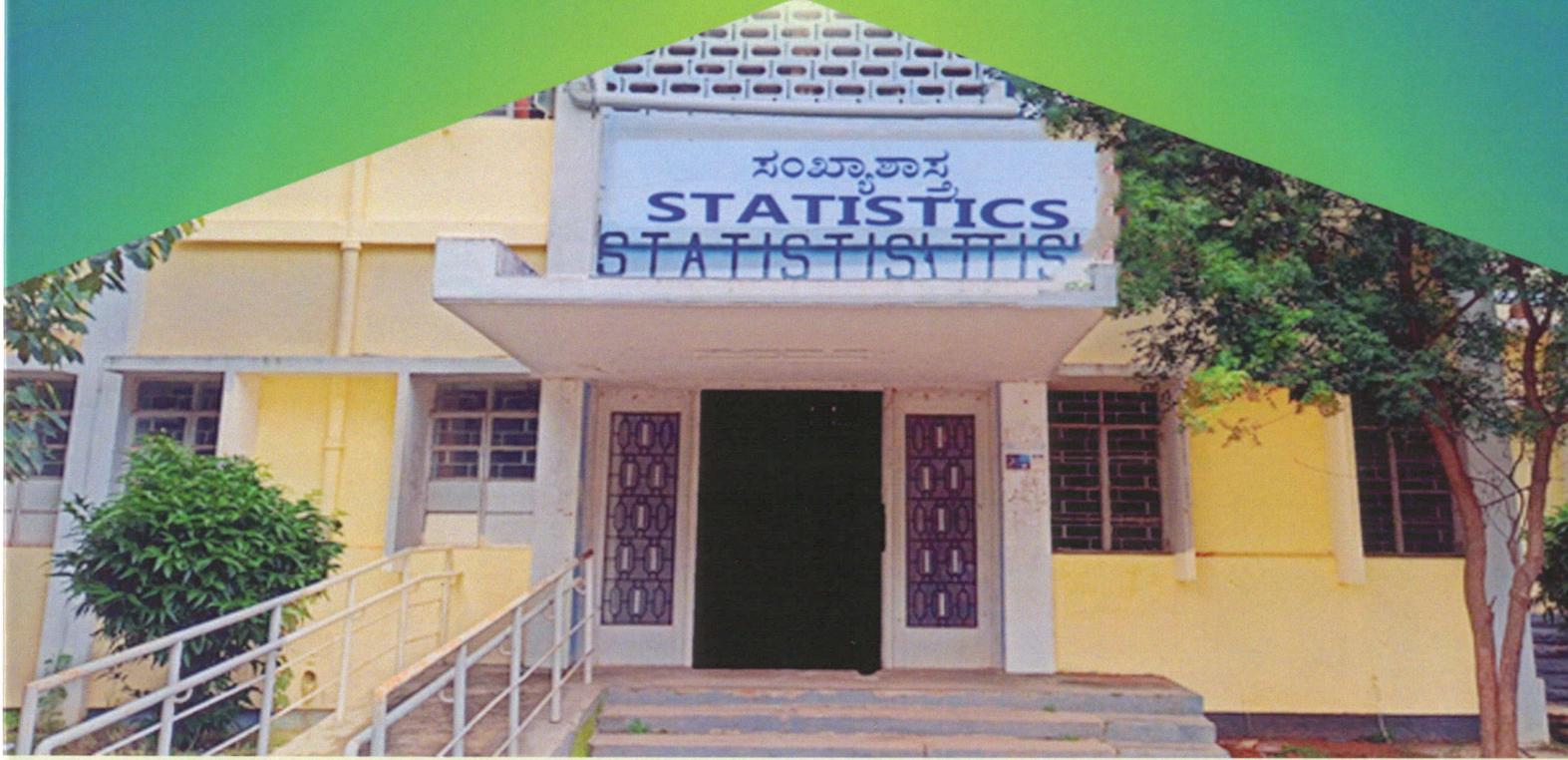




ಮೈಸೂರು ವಿಶ್ವವಿದ್ಯಾನಿಲಯ
UNIVERSITY OF MYSORE

DEPARTMENT OF STUDIES IN STATISTICS

Manasagangotri Mysuru- 570 006



The University of Mysore enjoys a unique distinction in the sphere of statistical education in India, being the first university in the country to introduce statistics as a subject of study in the year 1924 in the Maharajas College, a constituent college of the University. Statistics was then taught mainly with mathematics, economics and actuarial science, but its status grew fast and in 1942, M.Sc. in Statistics program was introduced which won another distinction for the University of Mysore, as the second university in India to start a postgraduate program in statistics. The postgraduate department got shifted to Manasagangotri in 1964, and entered a new phase in its history under Dr.R.P.Pakshirajan who served the department as Professor and the head till 1987. Being a distinguished probabilist, Prof.Pakshirajan with his fellow distinguished colleagues Prof. N. R. Mohan Madhyastha, Prof. R. Vasudeva and Prof. H. V. Hebbar developed the department into a noted centre for research in probability theory at a time when few Institutes / Universities in India were known for research work in this area. Many distinguished academicians have visited the Department over the years and have delivered special lectures in the Department. The list includes Padma Vibhushan Prof. C.R. Rao, the statistician of world repute, Prof. I. A. Ibragimov of the Steklov Institute of Mathematics, Russia; Prof. K.R.Parthasarathy, Prof.J.K.Ghosh, Prof. B.V. Rao, Prof B L SPrakasa Rao, Prof.R.L.Karandikar, Prof. Arup Bose from the Indian Statistical Institutes in India, Prof. H.N.Nagaraja of Ohio State University, to name a few. Scholars and Professors from the Indian Statistical Institutes at Bangalore, Kolkata, Delhi and Chennai have been regularly visiting the Department and delivering special lectures for the benefit of the students, research scholars and faculty.

Departmental research activities

In the year 1989, in recognition of the research done by the faculty of the Department, the University Grants Commission(UGC) provided Special Assistance in the form of Departmental Research Support for a period of three years, identifying Probability Theory and Stochastic Processes as thrust areas. Subsequently, the support was extended further and the Department benefited from the UGC- Department of Special Assistance program during 2004-2007, the UGC-COSIST program during 2000-2005 and the DST-FIST program during 2001-2006. The total grant given to the Department was more than crore a rupees. The Department has been conducting National / International Conferences, Seminars, Workshops and Summer schools in Statistics for the benefit of students, research scholars and college / university teachers in Statistics. The faculty of the Department have been publishing research articles since 1951 in various reputed peer reviewed national / international journals.

Academic Programs:

1. M.Sc Statistics Program: This four semester program was under the Choice Based Credit Scheme(CBCS) till the academic year 2018-19 and is currently under the Flexible CBCS from the academic year 2019-20 onwards.

The Eligibility for this program is B.Sc. degree or equivalent with E grade (50%-60% marks) and above in Statistics and Mathematics as one of the core / optional subjects OR B.Sc. degree or equivalent with E grade (50%-60% marks) and above in Mathematics OR B.E. Degree or equivalent with E grade (50%-60% marks) in aggregate in Mathematics papers with level of syllabi as prescribed by the Vishveshwaraya Technological University, Karnataka.

Soft core courses:

Statistical Computing, Sample Surveys and Statistics for National Development, Reliability Analysis, Nonparametric and Semi-parametric Methods, Computational Statistics, Data Science, Time Series Analysis and Demography.

Open elective courses:

Statistical Methods and Applications, Probability Theory and Mathematical Statistics.

2. Ph.D.(With Course Work)

Research Areas : Limit Theorems in Probability, Extreme Values, Order Statistics, Reliability Theory, Parametric and Nonparametric Inference, Ranked set Sampling.

Admission to this program is through National Level Tests like the UGC / CSIR NET or GATE or Karnataka State Level Eligibility Test, the K-SET and through Entrance Examination conducted by the University of Mysore.

Thrust Areas of Research:

Limit Theorems, Extreme Value Theory, Reliability Theory, Order Statistics, Ranked Set Sampling, Parametric and Nonparametric Inference.

| Research Output | Total | Since 2014 |
|-------------------------|-------|------------|
| Ph.D.'s awarded | 30 | 08 |
| Publications: | 175 | 32 |
| National Journals: | 50 | 10 |
| International Journals: | 125 | 22 |

Book Publications by the Faculty

1. Theory of Fluctuations and their applications in Probability Theory 2010, VDM Verlag Dr Muller, Germany, by G.Divanji

2. A First Course in Linear Models and Design of Experiments, 2020, Springer, by N. R. Mohan Madhyastha, S. Ravi and A.S.Praveena .

Department Infrastructure



Computer Laboratories-1and2



The Department has two well equipped computer Laboratories, Two lecture halls and a seminar Hall, a Library with classical and latest collection of books. The lecture halls, seminar hall and laboratories are ICT enabled.

Refereeing and Editorial Services of the Faculty

Department faculty are serving as reviewers for Mathematical Reviews, Zentrablatt Reviews. Prof. S.Ravi was one of the Associate editors and currently is in the editorial board of Calcutta Statistical Association Bulletin and is an Associate editor of the Journal of the Indian Statistical Association. Prof. B.S.Biradar is one of the Associate editors of the International Journal of Agricultural and Statistical Sciences.

Research Projects

1. Some nonparametric tests for stochastic ordering and failure rate ordering based on incomplete data in the presence of competing risks, UGC Minor Research Project during 2006-2008 with Principal Investigator : Prof. B.S.Biradar
2. On modelling extremes of random phenomena, UGC Major Research Project, during 2015-2018, with Principal Investigator : Prof. S.Ravi
3. On Modeling Maxima of Random Phenomena with Applications, DST-SERB- MATRICS Ongoing with Principal Investigator : Prof. S.Ravi 2019-2022

Students attending a seminar at the Seminar Hall



Conferences/Seminars/Workshops

> Two day Workshop on Probability and Mathematical Statistics, conducted during November 05-06,2013, at the Department of Statistics. Dr. Shiva Athreya, ISI, Bangalore, Dr.Manjunath Krishnapur, IISc, Bangalore, and Dr.Sreekar Vadlamani, TIFR, Bangalore, were resource persons.

>Centenary Lecture series in Statistics was conducted during April 2015 to May 2016 at the Department of Studies in Statistics. Among the distinguished academicians who delivered the special lectures were: Prof. B V Rao, Chennai Mathematical Institute, Prof. Siva Athreya , ISI Bengaluru, Prof. M. Sreehari, M.S. University, Baroda, Dr. Sagnik Sen, Visiting Scientist, ACMU, ISI Kolkata, Prof. M. B. Rajarshi, University of Poona, Pune, and Dr. Antar Bandyopadhyay, ISI, Delhi.

> Three Day Workshop cum Seminar Commemorating 75 Years of Teaching M.Sc Statistics Course was conducted during February 08-10, 2018.

> Two Day Workshop /Seminar on Recent advances in Statistical Sciences during March 06-07, 2020 at the Department of Studies in Statistics.

Faculty Profile



Dr. S. Ravi, Ph.D.,
Professor
Specialization: Extreme value theory, Reliability theory, Asymptotics, Order Statistics, Stochastic Processes.



Dr. B S Biradar, M.Phil., Ph.D.,
Professor
Specialization: Parametric and Nonparametric Inference, Ranked set sampling, Reliability Analysis, Information Theory.



Dr. Gooty Divanji, Ph.D.
Professor
Specialization: Law of the Iterated Logarithm, Stochastic Processes.



Dr. A S Praveena, Ph.D.,
UGC Faculty Recharge Program Assistant Professor
Specialization: Extreme value theory, Subexponential Distributions, R.



Dr. Vidyalakshmi, Ph.D.,
Assistant Professor
Specialization: Law of the Iterated Logarithm, Stochastic Processes



Mr. M. Yashvanth, KSET
Assistant Professor
Specialization: Data Science, Statistical Inference.

Endowments

M L Vardhamanaih Maharaj's College Centenary Gold medal

Prof. N.R.Mohan Madhyastha Gold Medal

Smt. Padmabai Katey Endowment Cash Prize

Prof. Panchapakesan Cash Prize

Prof. B.G.Raghavendra Memorial Cash Prize

Contact:

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