



GUJARAT UNIVERSITY

Department of Statistics

University School of Sciences
Gujarat University
Ahmedabad, Gujarat

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Introduction

Brief History

The P.G. department of statistics was established in the year 1955 as a part of school of social sciences and was merged with school of sciences in the year 1963. Statistics was offered as a subject in option to Electricity and magnetism at UG level in the faculties of Arts and Science until 1961. Teaching of statistics as a main subject was introduced at UG & PG level in 1962 in its affiliated colleges. PG courses in statistics for M.Com. are offered by the School of Commerce.

In addition to PG courses the PG department offers courses leading to M. Phil. and Ph.D. degrees. The major thrust areas in which research is carried out are multivariate analysis, statistical inference, O.R, SQC, Econometrics, Quantitative Methods, Distribution Theory, Life testing and reliability and Robustness. The large number of research papers have been published in reputed journals in India and abroad. The department is identified by the UGC under Departmental Research Support and COSIST programs. The department was selected as centre by the UGC for curriculum Development with late- professor C. G. Khatri as its co-ordinator in 1980 for modernizing and updating syllabus in statistics at different levels in order to cater to the needs of other disciplines.

Present Scenario

The students offering for M.Sc. Ph.D program are generally career oriented. Statistics is useful in Government offices, Industries, Research Institutions, Business houses, Bank etc. There is a wide spectrum of application at many places. The topic like sampling methods for survey are useful in quality management for Industries. Due to the recent development for ISO 9000 series and the progress of Taguchie Techniques, applications of statistics have become very relevant. Moreover, econometric methods, design of experiment, time series analysis have ample scope for their practical use. With the

growth of BBA, BCA, MBA, CA, MCA, CS, the usefulness of subject is increased tremendously. Hence, the programs are career oriented. Statistical tools and techniques have their own importance in day to day life and various disciplines. It has wider horizons for its applications and the progress achieved in the theoretical development of the subject increases the responsibilities of the practitioners. The relevant practical problems on the other hand generate more creative ideas for a research-worker. This has an advantage over all the applications concerned in different fields and thus the growth of the subject goes on increasing day by day. The faculty of the department has produced a steady output of research papers which would be too many to be listed. Faculty members here authored and co-authored several text-books in statistics and published by well known publishers including the Gujarat Granth Nirman Board and Gujarat Text-book Production Board

Infrastructure and Facilities :

- 25 Computers
- Printers
- LCD Projector
- OHP
- SCANNER
- Multimedia Projector
- Xerox Machine

Library Facilities :

Departmental Library has moderate collection of books on varieties of topics. Central Library has vast collection of books having more than 5000 books in the library.

Highlights :

- The department is identified by the UGC under Developmental Research Support and COSIST programs.
- UGC established curriculum development center (CDC) in the department and a CDC report was prepared for restructuring the curriculum at U.G., P.G. and M.Phil levels in the subject.
- UGC selected the department as one of the Centers in the country to organize Refresher courses in Statistics. The department has organized 10 Orientation courses and 18 Refresher Courses in Statistics for teachers of Western, Central and Northern regions and Several Innovation Methods were devised to improve teaching at college & university levels.
- Faculty members were associated as authors in writing textbooks of Gujarat State Book Production Board. Faculty members have also worked as co-authors for writing text books on behalf of Granth Nirman Board, Gujarat Granth Ratna Prakashan, Ambedkar Open University etc.
- Department is very actively involved in the publication of two research journals published on behalf of Gujarat Statistical Association.
 - 1 Gujarat Statistical Review (GSR)
 - 2 Sankhya Vignan
- The department has organized one summer institute in 1972, one national level seminar on Linear Models in 1987, national level seminar on Inventory Control and management in March 2000, one national level Seminar on "Recent Trends in Bio-Medical Statistics " in FEB. 2007 and one International conference on "APPLIED MATHEMATICS & STATISTICS" in DEC. 2011

- Department has the activity named as 'SANKHYADEEP'. It is a short of academic, social and cultural forum run by the students under the guidance of faculty for the benefit of the students.
- On the occasion of the completion of fifty years, GOLDEN JUBLIEE CELEBRATION PROGRAMME and Seminar was organized by the department in January 2006.
- The Department was actively involved in formation of GUJARAT STATISTICAL ASSOCIATION in 1969. Uptill now 26 ANNUAL Conferences are being organized in different parts of Gujarat State.
- Since 2007 department is organizing seminars and workshops on 29th June in the remembrance of Late Prof. P.C. Mahalanobis with the support of Directorate of Economics and Statistics, Govt. of Gujarat & NSSO, Govt. of India.
- With the support of Directorate of Economics and Statistics, Govt. of Gujarat, Training Centre for **Indian Statistical Services (ISS)** examination was established at the Department of Statistics, Gujarat University for the benefit of students having M.Sc. degree in Statistics and who desire to participate in Examination at all India level. One month training programme was conducted by the department in 2008.

The Department of Statistics, Gujarat University has the honour to be the first and the only academic body to commence such a training programme in Gujarat.

Course Offered :

Course Name : M. Sc. , M. Phil , Ph. D.
 Intake : **M. Sc. Sem - I** : 65 seats on regular bases + 10 seats on regular basis. Total: 75 seats
M. Phil : 15 seats

Eligibility and Duration

Programme	Level of study	cutoff marks in %
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M. Sc. (2 years)	B. Sc.	50
M. Phil	M. Sc.	55
P. hD	M. Sc.	55

Course Commencement : JUNE

Admission Process :

- M. Sc. - by merit
- M. Phil - open test
- Ph. D - open test

Current Fees Structure :

Class	Boys	Girls
M. Sc.	3690	2190
M. Phil	4590	3090
Ph. D.	5590	4090

Courses offered at :

Department of statistics
 University School of Sciences,
 Gujarat University,
 Ahmedabad 380 009

Future Career Opportunity

Science is developing at an explosive rate and Statistics as key technology of the modern science has become more important and relevant as a discipline applicable to several other branches of knowledge. Statistical theory and methodology have applications in almost all areas of sciences, It therefore goes without saying that the impact of recent growth of statistics has been widely felt in all fields of natural, physical & behavioral sciences. Statistics has thus become

a vital tool without which it is perhaps not possible to appreciate, understand and apply much of the work done in any field. The Past Students of the Department have excelled in academics, Government and Semi-government organisation, Pharma companies, life insurance companies as well as business.

Faculty :

Name : Dr. R. G. Bhatt
Designation : Professor & Head
Areas of Specialization : Operations Research, Design of Experiments, Bio - Statistics, Sampling theory, Demography
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Name : Dr. M.N. Patel
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