

DEPARTMENT OF STATISTICS AND O.R.K.U.K.

Profile of the Department

The department of Statistics and Operational Research is 20 years old, although Statistics has been taught at this University for about three decades. The seed of the department was sown in 1962 when Statistics was introduced as a special paper at the post graduate level in the Department of Mathematics . Realizing its widespread application and importance, Statistics was given full status in 1973 and M.Sc. Mathematical Statistics was offered as a two-year –degree course. Research work which was already being done became brisk and several new fellows were registered.

Growing number of students and research fellows necessitated the creation of independent department . Hence in 1985 the department of Mathematics was bifurcated and the department of Statistics and O.R. became a full-fledged department and in 1986 M.Phil in Statistics was started which, however, discontinued due to non availability of teaching positions. Syllabi for the M.Sc. degree had been restructured on the UGC Pattern a number of times and at present we have a training programme also wherein the students have an interaction with the industries and institutions and have use of statistical methods and techniques. The Practicals in the subjects has also been made computer oriented and we have a well maintained computer lab with 17 computers , some of which are with latest configurations. With the efforts of the department , Statistics has been introduced as a subject at the under-graduate level, in some colleges affiliated to the University. It is hope that the department will have a better feedback in future.

Ever since, the introduction of Statistics in 1962 , students have been carrying out research work. More than 175 research papers have been published in various national and international journals of repute. Thirty five people have completed their Ph.D. So far as many as 11 scholars are still engagement in research work at the department .

Chairperson : **Dr.N.K.Jain**

Faculty Information

		Joining Date	Specialization	Qualification	Contact information
Chairman	Dr. N.K.Jain	1.12.81	(i)Applications of queues (ii) optimization of resources utilization (iii) Reliability	M.Sc. Ph.D	2511 (o) 01744- 291301 (R)
Sr. Lecturer	Dr.(Ms) Indra Rani	14.1.97	O.R.	M.Sc. M.Phil Ph.D	01744- 238082 (R)
Lecturer	Dr.M.S.Kadayan	15.1.07	Reliability	M.Sc. M.Phil	09815315812

				Ph.D.	
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Course offered

Courses	System of Examination
M.Sc. Statistics	Annual

Profile of different courses offered

Degree Type	Course duration	No of Sanctioned seat	Scheme of exam Annual/ Semester
M.Sc. Statistics	2 years	40	Annual
Ph.D course is offered.			

Semester wise / year details

Course Name M.Sc (Statistics)

Course Type Post Graduate

Exam Schedule Annual Exam

Duration 2 years.

M.Sc. (P) Statistics

Paper code	Paper Name	Paper Type	Paper Remarks	Max. Marks	Int. Marks	Ext. Marks
I	Real Analysis & Probability	Compulsory		100		
II	Linear Algebra, Statistical Methods & Distribution	Compulsory		100		
III	Theory Inference	Compulsory		100		
IV	Computer Programming Stochastic Processes & Operational Res.	Compulsory		100		
V	Paper-V Practical	Compulsory		100	20	80
M.Sc. (Final) Statistics.						

I	1.Multivariate & Linear Model	Compulsory		100		
II	2.Sample Survey & Design of Experiments	Compulsory		100		
III & IV	(i)C++ & Java Programming (ii)Queues & Reliab (iii)Math.Programming	Optional Optional Optional		100 100		
V	Paper - V PracticaL	Compulsory		100	20	80

Facilities

Library : **Central One**
Teaching Lab : **2 + 1 (Calculator based + Computer)**

Other facilities:

Placement Cell **NIL**
Information on Seminar and Conference **NIL**
Information on Research Activities (Projects) **NIL**
Information on Achievement **Research Facilities.**

(N.K.Jain)
Chairman