

Evaluative Report of the Department of Statistics

1. Name of the Department : **Statistics**
2. Year of establishment: **The Department of Statistics was established in 1964 as a part of Mathematics Department, and since 1974 it is an independent Department.**
3. Is the Department part of a School/Faculty of the university?
Part of a faculty of Science.
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., B.Sc., D.Litt. etc.)

M.Sc. Statistics (PG)
M.Phil Statistics
Ph.D in Statistics
5. Interdisciplinary programmes and departments involved
 - i. **Bio-Statistics (B.Sc. (H.S.) for Microbiology, Bio-physics)**
 - ii. **Applied Statistics (B.Sc. H.S. for Maths & B.Sc. H.S. for Maths & Computing)**
 - iii. **Probability & Statistical Methods-II (B.Sc. H.S. for Maths & B.Sc. H.S. for Maths & Computing)**
6. Courses in collaboration with other universities, industries, foreign institutions, etc.
NIL
7. Details of programmes discontinued, if any, with reasons: **NIL**
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
Semester system.
9. Participation of the department in the courses offered by other departments

The faculty of Deptt. of Statistics is engaged in teaching Statistics courses to the following Departments:

- i. **University Institute of Emerging Areas in Social Sciences.**
- ii. **Department of Environment Studies**
- iii. **University Institute of Engineering & Technology**
- iv. **University Institute of Pharmaceutical Sciences**

- v. **Department of Biotechnology**
- vi. **Centre for Stem Cell and Tissue Engineering**
- vii. **University Business School.**
- viii. **Deptt. of Biophysics**
- ix. **Deptt. of Mathematics**
- x. **Deptt. of Bio-Chemistry**
- xi. **Diploma in Statistics in USOL**
- xii. **Institute of Forensic and Criminology M.Sc. Sem-I**
- xiii. **Deptt. Of Environment Science**
- xiv. **Deptt. Solid Waste Management**
- xv. **Masters in Public Health**
- xvi. **National Centre for Human Genome Studies and Research**
- xvii. **University Institute of Emerging Areas in Science and Technology**
- xviii. **Department of Economics**

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including (CAS & MPS)
Professor	2+6	6	6
Associate Professors	1		
Asst. Professors	6	2	2
Others	1	1	1

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	qualification	designation	specialization	no. of years of experience	no. of Ph.D /M.phil students guided for the last 4 years
Prof. Kalpana K. Mahajan	M.Sc., M.Phil., Ph.D	Professor	Statistical Inference, Applied Statistics, Income Inequality & Lorenz Dominance, Environmental Statistics.	37 years	2 (Ph.D awarded) 5 (Pursuing Ph.D) 2 (M.Phil)
Prof. Amar Nath Gill	M.Sc., M.Phil., Ph.D	Professor	Multiple Comparison Procedures, Statistical Inference, Applied Statistics.	29 years	2 (Ph.D awarded) 2 (Pursuing Ph.D) 2 (M.Phil)
Prof. Kanchan K. Jain	M.Sc., M.Phil., Ph.D	Professor	Reliability, Survival Analysis, Actuarial Statistics, Measurement Error Models, Bio-Statistics, Income Inequality	34 years	2 (Ph.D awarded) 7 (Pursuing Ph.D) 2 (M.Phil)

Prof. Sangeeta Chopra	M.Sc., M.Phil., Ph.D	Professor	Applied Statistics, Income Inequality & Lorenz Dominance, Environmental Statistics, Statistical Inference	31 years	2 (Ph.D awarded) 5 (Pursuing Ph.D) 2 (M.Phil
Prof. Narinder Kumar	M.Sc., M.Phil., Ph.D	Professor	Statistical Inference, Multiple Comparison Procedures	25 years	1 (Ph.D awarded) 2 (Pursuing Ph.D) 2 (M.Phil
Prof. Suresh K. Sharma	M.Sc., M.Phil., Ph.D	Professor	Biostatistics, Statistical Modeling, Ranking and selection and related estimation problems, Statistical Inference, Applied Statistics, Measurement Error Models	20 years	1 (Ph.D awarded) 7 (Pursuing Ph.D) 2 (M.Phil
Dr. Manoj Kumar	M.A., Ph.D	Assistant Professor	Linear Models and Econometrics	9 years	2 (Pursuing Ph.D) 1 (M.Phil
Dr. Anju Goyal	M.Sc., M.Phil., Ph.D	Assistant Professor	Ranking and Selection Methodology, Multiple	1 year	-

			Comparison Procedures, Statistical Inference.		
Mr. Harminder Singh Deosi	M.Sc., M.Phil.,	Programmer	Statistical Programming, Patron recognition	8 years	-

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

The Department has been inviting distinguished Statisticians out of the grants sanctioned for this purpose. They have delivered seminars on the areas of their research interest and also interacted in research with the faculty members/researchers of the Department. The list of the visiting fellows during July 2009 to June 2013 is as follows:

1.	Prof. Hira Lal Kaul	Department of Statistics & Probability, Michigan State University, USA	12.12.2012 to 16.12.2012
2.	Prof. Ashok K. Bansal	CE164 GOLF LINK. I Greater Noida New Delhi	23.7.2012 to 30.7.2012
3.	Prof. J.V. Deshpande	Department of Mathematics IIT Mumbai	18.2.2012 to 25.2.2012
4.	Prof. S.P. Mukherjee	University of Calcutta, Kolkata	30.11.2011 to 8.12.2011
5.	Prof. Subhash Kochar	Deptt. of Mathematics and Statistics, Portland State University, USA	22.11.2011 to 24.11.2011

6.	Prof. C.C. Gujarathi	Sardar Patel University, Vallabh Vidyanagar (Gujrat)	7.3.2011 to 17.3.2011
7.	Professor Debashis Bhattacharya	Visva Bharti University, West Bangal	2.10.2011 to 13.10.2011
8.	Prof. R.D. Gupta	University of New Brunswick Saint John, Canada	1.12.2010 to 7.12.2010
9.	Prof. S.P. Mukherjee	University of Calcutta, Kolkata	31.10.2010 to 5.11.2010
10.	Prof. Subhash Kochar	Deptt. of Mathematics and Statistics, Portland State University, USA	December 2009
11.	Prof. S.P. Mukherjee	University of Calcutta, Kolkata	December 2009

13. Percentage of classes taken by temporary faculty – programme-wise information

M.Sc. Statistics Semester-I: 25% (2009-13)

M.Sc. Statistics Semester-II: 25% (2009-13)

M.Sc. Statistics Semester-IV: 25% (2012-13)

B.Sc. Maths & Computing Semester- I-IV: 25% (2009-13)

14. Programme-wise Student Teacher Ratio

M.Sc. Statistics : 9:1

M.Phil/Pre-Ph.D: 1:1

Ph.D: 2:1

B.Sc. Maths: 12:1

B.Sc. Biosciences: 10:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Technical staff - sanctioned: 6 filled: 4 actual: 4
 Administrative staff- sanctioned: 6 filled: 4 +1(Temp.) actual: 4

16. Research thrust areas as recognized by major funding agencies

The identified thrust areas of the Department under UGC (SAP) DSA-II are:

- i. Multiple Comparison Procedures
- ii. Reliability and Survival Analysis
- iii. Statistical Inference
- iv. Applied Statistics (Bio-Statistics, Econometrics).

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

One: (Prof. Suresh Kumar Sharma)
 Projects Undertaken

Sr. No.	project title	names of the funding agencies,	grants received project-wise
1	Oral Health Study & Treatment requirements in the Elderly people of Chandigarh-A Hospital Based Study	Dental Dept. GMCH, Chandigarh, Sec 32 Funding: Chandigarh Administration	2012-2015 Amount: Rs 2 Lacs
2	The Relationship of Oral Health & Systemic Disease in the Elderly people	Dental Dept. GMCH, Chandigarh, Sec 32 Funding: Chandigarh Administration	2012-2015 Amount: Rs 5 Lacs

3	Extent and Determinant of Cost of Acute Poisoning in Tri-city of Chandigarh-An Exploratory Study	Funding: Indian Council of Medical Research (ICMR)	2011-2014 Amount: Rs 12.5 Lacs
4	First Trimester PAPP-A levels and its association with obstetrical complications and adverse pregnancy outcomes	Genetic Centre, GMCH, Sector 32 Funding: Indian Council of Medical Research (ICMR)	2011-2015 Amount: Rs 29 Lacs

18. Inter-institutional collaborative projects and associated grants received
a) National collaboration b) International collaboration

NIL

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

**Departmental project funded by UGC-SAP-DSA-II (for the period 2010- 2015):
Total grant received are Rs. 69 lakhs (Rs. 40 lakh non-recurring and Rs. 29 lakhs recurring)**

20. Research facility / centre with

- state recognition
- national recognition
- international recognition

national recognition

21. Special research laboratories sponsored by / created by industry or corporate bodies

NIL

22. Publications:

- Number of papers published in peer reviewed journals (national / international)
- **80 (for the period 2009-2013)**

- Monographs
- Chapters in books

- Edited Books
- Books with ISBN with details of publishers

- **Two (2) (Tata McGraw Hill, ISBN 9780070151536) - published as adaptation authors.**

- Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
 - **NIL**

- Citation Index – range / average
 - **Total no. of Citations: 247**

- SNIP
- SJR
- Impact Factor – range / average

- h-index - **10**

23. Details of patents and income generated: **NIL**

24. Areas of consultancy and income generated

The Department organized eight workshops on SPSS for faculty members/research scholars/college teachers of Panjab University and neighboring Universities and generated Rs. 3,08,500 out of which 40% was deposited in the University.

- 1. 26-30 November 2007,**
- 2. 10-14 December 2007,**
- 3. 21-25 January 2008,**
- 4. 18-22 May 2009,**

5. **25-29 May 2009,**
6. **23-27 May 2011,**
7. **30 May to 3 June 2011,**
8. **22 July to 5 August 2013).**

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad: **NIL**

26. Faculty serving in

- a) National committees
- b) International committees
- c) Editorial Boards
- d) any other (please specify)

All the senior faculty members are members of various national committees and editorial boards.

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

As a part of these strategies, during the last five years (2009-13), the Deptt. of Statistics has organised:

1. **two conferences, one international Conference and one national conference**
2. **one UGC sponsored Refresher Course, apart from seven workshops on SPSS,, including one `National Workshop on Bio-statistics and Official Statistics`.**
3. **The department has been actively engaged in organising `Mathematical Sciences Section` of the Chandigarh Science Congress (CHASCON 2009-13).**

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects
- percentage of students doing projects in collaboration with other universities industry / institute

With National Sample Survey Organisation (NSSO) Chandigarh - 50% of the out going batch of M.Sc.2nd year (Statistics).

With Labour Bureau, Chandigarh - 50% of the outgoing batch of M.Sc.2nd year (Statistics).

29. Awards / recognitions received at the national and international level by
- Faculty

Prof. Kalpana K. Mahajan

- 1. Appointed as Coordinator DSA (SAP) in Statistics**
- 2. Appointed as Dean Student Welfare (Women)**
- 3. Appointed Mathematical Reviewer for the American Mathematical Society USA.**
- 4. Appointed Reviewer and a member of the Technical Program Committee of 5th Annual International conference on Operation Research and Statistics (ORS 2012) held on 7-8 May 2012 in Bali Dynasty Resort Indonesia.**

Prof. Narinder Kumar

- 1. Appointed as a Mathematical Reviewer for the prestigious American Mathematical Society (AMS), USA.**
- 2. Selected for Shiksha Rattan Purskar along with Certificate of Excellence by India International Friendship Society, New Delhi in February 2010.**
- 3. A part of Ph.D Student work has been awarded the Professor R.S. Verma memorial best paper presentation award during 18th International conference of Forum for Interdisciplinary Mathematics organized at Jaypee University of Information Technology, Wagnaghat, Himachal Pradesh, India (jointly with University of South Alabama, USA) in August 2009.**

Prof. Suresh K. Sharma

- 1. Appointed as Coordinator: System Biology and Bioinformatics, Centre with Potential for Excellence in Biomedical Sciences.**
- 2. Appointed as Additional Advisory member of “Annals of Neurosciences, Journal of Indian Academy of Neurosciences,” India.**

- 3. Awarded S.D. Gaur Award for Best Paper in Environmental Sciences” during Indian Public Health Association National Conference Feb., 2010 held at Visakhapatnam.**
- Doctoral / post doctoral fellows
 - Students
30. Seminars/ Conferences/Workshops organized and the source of funding (national / International) with details of outstanding participants, if any.

The Department of Statistics organized following Conferences/workshops during 1.4.2010 to 15.02.2014.

- i. A workshop on Statistical Product and Service Solutions (SPSS) for faculty/research scholars of Panjab University and for the researchers from other institutes from July 22 to August 5 2013.**
- ii. Organised Mathematical Sciences section of 7th Chandigarh Science Congress CHASCON 2013 from 1-3 March 2013.**
- iii. Twenty-first International conference of Forum for Interdisciplinary Mathematics (FIM) on Interdisciplinary Mathematics, Statistics and Computational Techniques, at Department of Statistics, Panjab University during December 15-17, 2012, funded by DST, NBHM, CSIR, DSA-II (UGC), P.U.Chd.**
- iv. Organised Mathematical Sciences section of 6th Chandigarh Science Congress CHASCON 2012 from 26-28 February 2012.**
- v. A National Conference on Advances & Applications in Statistics from February 20-21, 2012 funded by DSA-II (UGC), P.U.Chd.**
- vi. A workshop on Applied Statistics using SPSS for faculty/research scholars of Panjab University and for the researchers from other institutes from Nov. 14-20, 2011 funded by DSA-II (UGC).**
- vii. A workshop on Statistical Product and Service Solutions (SPSS) for faculty/research scholars of Panjab University and for the researchers from other institutes from May 30 to June 3, 2011. (2nd Batch).**
- viii. A workshop on Statistical Product and Service Solutions (SPSS) for faculty/research scholars of Panjab University and for the researchers from other institutes from May 23-27, 2011 (1st Batch).**

- ix. Organised (Mathematical Sciences) section of 5th Chandigarh Science Congress (CHASCON) 2011 from 26-28th FEBRUARY 2011.
 - x. A Workshop on “Bio-Statistics” and “Official Statistics” in collaboration with National Academy of Statistical Administration (NASA) from 21-22 December 2010 funded by P.U. Chd.
 - xi. A Faculty Development Programme (FDP) on Research and Data Analysis using SPSS from 16-17 December 2010 funded by PURSE Grant.
 - xii. U.G.C sponsored refresher course on Mathematics and Statistics during Oct-November, 2010 funded by P.U. Chd.
 - xiii. A workshop on Statistical Product and Service Solutions (SPSS) for faculty members/research scholars and for researchers from other institutes from 25th May to 28th May, 2009.
 - xiv. A workshop on Statistical Product and Service Solutions (SPSS) for faculty members/research scholars and for researchers from other institutes from 18th May to 22nd May, 2009.
31. Code of ethics for research followed by the departments
The Department uses anti-plagiarism software.
32. Student profile programme-wise:

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	female	male	female
M.Sc. Statistics 1 st year (2009)	56	14	15	71%	100%
M.Sc. Statistics 2 nd year (2009)		4	19	100%	100%
M.Phil	NIL				
Ph.D.		1	4		
M.Sc. Statistics 1 st year (2010)	76	11	22	45%	95%

M.Sc. Statistics 2nd year (2010)		8	13	75%	85%
M.Phil	23	1	7	100%	100%
M.Sc. Statistics 1st year (2011)	81	13	21	42%	76%
M.Sc. Statistics 2nd year (2011)		11	20	82%	100%
M.Phil	15	1	6	100%	100%
Ph.D.		2	1		
M.Sc. Statistics 1st year (2012)	73	14	17	86%	94%
M.Sc. Statistics 2nd year (2012)		11	21	82%	71%
M.Phil		NIL			
Ph.D.		1	2		
M.Sc. Statistics 1st year (2013)	70	7	25	86%	100%
M.Sc. Statistics 2nd year (2013)		10	17	90%	88%
M.Phil	1	Nil			
Ph.D.	Nil				

33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities outside the state	% of students from other universities outside the state	% of students from other countries
M.Sc. Statistics 2009	26%	---	74%	-
M.Sc. Statistics 2010	37%	---	61%	2%
M.Phil	38%	----	62%	--
M.Sc. Statistics 2011	22%	---	76%	2%
M.Sc. Statistics 2012	24%	---	76%	---
M.Sc. Statistics 2013	19%	--	81%	-

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

NET- 2

GATE- 1

RBI- 2

ISS- 1

35. Student progression

Student progression	Percentage against enrolled
UG to PG	
PG to M.Phil.	25% (approx.)
PG to Ph.D.	10% (approx.)
Ph.D. to Post-Doctoral	
Employed	
Campus selection	10-15%
Other than campus recruitment	
Entrepreneurs	

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	25%
from other universities within the State	
from universities from other States from	75%
universities outside the country	

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period - **NIL**

38. Present details of departmental infrastructural facilities with regard to

- a) Library: **The Department has approximately 4400 books/ journals. E-catalogue has been prepared and is used by the students and the faculty. The**

faculty and the students of the department have access to the computerized central library of the University through computers available in the departmental computer laboratory. The teachers/researchers/students have the facility to search books/journals either call Number-wise or Title-wise or Author-wise or Partial Title-wise or Partial Author-wise.

b) Internet facilities for staff and students:

Internet/ Wi-Fi facility is provided to all the faculty members/students.

c) Total number of class rooms : **4**

d) Class rooms with ICT facility : **Computer lab and Seminar hall.**

e) Students' laboratories : **same as classrooms.**

f) Research laboratories : ----

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university

List of Ph.D. awarded students (2009-13)

- 1. Mr.Gulfam**
- 2. Ms.Anju Goyal**
- 3. Mr.Sukhbir Singh**
- 4. Mr.Vishal Maurya**
- 5. Ms.Pooja Bansal**
- 6. Mr.Anil**
- 7. Ms. Monika Rani**

List of students enrolled for Ph.D (2009-13)

- 1. Harman Preet Singh Kapoor**
- 2. Neetu Singla**
- 3. Ruby Rani**
- 4. PoojaSoni**
- 5. Preety Rattan**
- 6. Maninder Kumar**
- 7. Kamaljit Kaur**
- 8. Dil Preet Kaur**
- 9. Abha**
- 10. Ravinder Kumar**

- 11. Savita Jain**
- 12. Sukhmani Sidhu**
- 13. Priyanka Vasishta**
- 14. Prerna Godura**
- 15. Aarti Goyal**

b) from other institutions/universities: **NIL**

40. Number of post graduate students getting financial assistance from the university. **NIL**

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. **NIL**

42. Does the department obtain feedback from

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Though no formal feedback is taken, but informally the faculty gets it during interacting with the students to mould and develop accordingly.

b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Though no formal feedback is taken, but informally the faculty gets it during interacting with the students.

c. alumni and employers on the programmes offered and how does the department utilize the feedback?

Though no formal feedback is taken, but informally the faculty gets it during interacting with the potential employers/alumni.

43. List the distinguished alumni of the department (maximum 10)

- 1. Prof. S.C. Kochar, Portland State University, Portland, USA.**
- 2. Manvesh Sidhu (IAS): Chief Administrator, PUDA, Mohali.**
- 3. Charu Bali (IPS).**
- 4. Mahavir Alahavat (Haryana Judiciary Services).**
- 5. Harvinder Singh (ISS): Deputy Director General, MOSPI.**

6. **Sunil Chaudhary (Indian Statistical Services(ISS)): Deputy Director, MOSPI.**
 7. **Virendar K. Tomar (Himachal Police Service): SP.**
 8. **Rambir Singh (Indian Forest Service).**
 9. **Sandeep Dhuria, Sitting Fellow, P.U.**
 10. **Amarjot Kaur, Merk Pharmaceutical, USA.**
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.
- i. **A workshop on Statistical Product and Service Solutions (SPSS) for faculty/research scholars of Panjab University and for the researchers from other institutes from July 22 to August 5, 2013.**
 - ii. **Organised Mathematical Sciences section of 7th Chandigarh Science Congress CHASCON 2013 from 1-3 March 2013.**
 - iii. **Organised Mathematical Sciences section of 6th Chandigarh Science Congress CHASCON 2012 from 26-28 February 2012.**
 - iv. **A workshop on Applied Statistics using SPSS for faculty/research scholars of Panjab University and for the researchers from other institutes from Nov. 14-20, 2011 funded by DSA-II (UGC).**
 - v. **A Workshop on “Bio-Statistics” and “Official Statistics” in collaboration with National Academy of Statistical Administration (NASA) from 21-22 December 2010 funded by P.U. Chd.**
 - vi. **Organised Mathematical Sciences section of 5th Chandigarh Science Congress CHASCON 2011 from 26-28 February 2011.**
 - vii. **Organised Mathematical Sciences section of 4th Chandigarh Science Congress CHASCON 2010 from 19-20 March 2010.**
45. List the teaching methods adopted by the faculty for different programmes.

Audio-visual techniques are used by the faculty for teaching and seminars.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

Regular faculty meetings and meeting of different committees are held to monitor and assess the various academic activities.

47. Highlight the participation of students and faculty in extension activities.

All the faculty members are regularly participating in various international/national conferences. The various workshops are organised by the department and are attended by the students/researchers of own department and neighbouring departments/institutes.

48. Give details of “beyond syllabus scholarly activities” of the department.

For the benefit of students of the department:

- i. various training programmes for the usage of different statistical softwares are organised.**
- ii. statistical quizzes are organised every year.**
- iii. internships for the final year M.Sc. Statistics students at Statistical Organizations like National Sample Survey Organization (NSSO) and Labour Bureau, Chandigarh are arranged.**

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

Yes, the department is upgraded from DSA-I to DSA-II level under SAP of UGC in 2010 for a period of five years.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Currently the Department is under DSA Level-II of UGC SAP after successful completion of three phases of UGC DRS (DRS first phase sanctioned in 1989). Apart from the SAP of UGC, the Department had FIST Programme of DST and COSIST programme of UGC. The Department has made significant contributions in generating new basic and applied knowledge by publishing 80 Research papers during 2009-13, in international and national journals of repute, in the identified thrust areas.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

The biggest strength of the department is its pro-active faculty and the infrastructure and weakness is on account of vacant positions, while the challenge is attaining CAS Status from the existing UGC (SAP) DSA –II.

52. Future plans of the department.

The department has been guided with the major objectives of strengthening the research and teaching in the areas of Multiple Comparison Procedures, Reliability and Survival Analysis, Statistical Inference, Applied Statistics (Bio-statistics, Econometrics and related areas).

The faculty members and research students of the Department have achieved the original objectives to a larger extent as the high level research in the thrust areas have been carried out. The Department can now be rated as one of the best departments in the country for carrying out research work in thfdrust areas..

The Future plans are to continue with its research in thrust areas and work for attaining CAS in 2015. The Deptt also plans to organize a series of workshops on Bayesian Inference, SPSS, SAS and MATLAB during the current year. The Department is planning to organize a Refresher Course on “Statistical Methodology in Social sciences”.

The Department is also in the process of exploring the feasibility of signing MoU with some industries of the region to explore the solution of their real life problems and statistical data analysis problems. The Department is also planning to introduce some industry oriented courses/projects as a part of M.Sc. program in order to give them exposure of industry related statistical methodology.

Department is planning to start a formal consultancy cell as soon as the faculty strength improves through fresh recruitment. This will not only help the Department to generate resources but also give the faculty/researchers more exposure to real-life problems, which will consequently result into the development of new statistical methodology.