PLACEMENT BROCHURE

2016-2017

Department of Statistics and Centre for Advanced Studies

Savitribai Phule Pune University

(Formerly University of Pune)

http://unipune.ac.in/dept/science/statistics/index.html

Preface

This brochure aims at providing the prospective employers a brief introduction of the Department of Statistics and Centre for Advanced Studies, Savitribai Phule Pune University (formerly University of Pune) followed by information about the academic programs, recruitment procedure and past recruiters.

Our website *(*http://unipune.ac.in/dept/science/statistics/index.html*)* provides further details about the course curriculum.

The Departmental placements are organized by the Student Placement Committee. On behalf of the Committee, we would like to invite all prospective employers for placement sessions for students graduating in December 2016 and June 2017. We have been fortunate to have as our past recruiters, eminent companies from diverse fields including Finance, Pharmaceuticals, Market Research and Consultancies.

Companies interested in campus recruitments are requested to fill the Form: **STATS_UNIPUNE_CRF,** the link of which will be mailed to the companies by the Placement Committee.

Dates for campus interviews will be based on the academic calendar, placement schedule and the company's convenience.

We hope that this placement brochure will be useful to employers visiting the Department and are open to any suggestions.

Akanksha Kashikar   *Prof. David D. Hanagal*

Convener, Placement Committee   *Head of the Department*

Placement Committee

Head of the Department: Prof. David Hanagal

Convener: Dr. Akanksha Kashikar

Contact: Dr. Akanksha Kashikar

      Convener, Placement Committee

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      Ganeshkhind, Pune 411 007, India

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Student Representatives:

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Neha Oberoi	+91-9673321356

Introduction

Savitribai Phule Pune University (formerly University of Pune) started the M.Sc. (Statistics) program in the academic year 1953-54, with Professor V. S. Huzurbazar as the Head of the Department.

The Department has been an alma mater to distinguished Statisticians such as Dr. K. Joag-Dev, Dr. G. P. Patil, Dr. S. Sukhatme (Chivate), B. Chandorkar, Janardan Deshpande, S. W. Dharmadhikari, K. S. R. Rao and J. V. Tatke.

The Department has also been graced by visits from eminent Statisticians and other scientists like **R. A. Fisher, J. Neyman, Harold and Bertha Jeffreys, Frank Yates, S. N. Roy, C. R. Rao, P. V. Sukhatme, C. V. Raman, Jayant Narlikar, D. R. Cox, V. P. Godambe, K. B. Athreya, Abhay Bang, Madhav Gadgil** and others.

Alumni of this Department have been performing well, both in the academic field and industry, with their work being noticed and accredited all over the world. The success can be attributed to the quality of the students and teachers alike and the rigorous and in-depth curriculum which gets updated to keep in pace with the latest developments in the field.

M.Sc. Statistics

The M.Sc. program of the Department is viewed as one of the best postgraduate degree programs in Statistics in the country. It is specifically designed to address both theoretical and practical issues and has the flexibility to evolve and change in response to new requirements. The M.Sc. program has an intake of 50 each year. The Department conducts a national level entrance test each year and admits students based on the performance in the entrance test and the scores in B.Sc. / B.A.

Course Structure

<u>Compulsory Courses:</u>

Mathematical Analysis	Linear Algebra
Probability Distributions	Elements of Statistical Computing
Multi-dimensional Calculus	Probability Theory
Multivariate Analysis	Statistical Inference
Regression Analysis	Stochastic Processes
Asymptotic Inference	Design of Experiments
Sampling Methods	Bayesian Inference

The final year students are required to opt for optional courses as per their domain of interest.

<u>Optional Courses</u>

Statistical Analysis of Microarray Data	Time Series Analysis
Actuarial Statistics	Statistical Methods for Quality Control
Data Mining	Optimization Techniques
Financial Econometrics	Multiple Decrement Models in Insurance
Stochastic Models in Finance	Survival Analysis
Statistical Methods for Bio-computing	Statistical analysis of Clinical Trials

Some of the above optional courses may not be conducted due to faculty crunch.

Detailed syllabus is available at the website:

http://unipune.ac.in/dept/science/statistics/index.html

Salient features

Academic Autonomy

Academic autonomy was granted to this Department in 1983. All the faculty members have the authority to set their own basis of assessment for students. This may include different methods like assignments, seminars, viva voci, or the traditional written examination.

System of Pre-requisite Courses

A system of pre-requisite courses requires that on failing a course, students repeat the course (attend classes, write internal examinations etc.), if it is pre-requisite for other courses in the following semesters. The system is found to be useful for students in the long run, even though it tends to extend the time taken to complete the M.Sc. program. This system which is unique in this University is now well established.

Computing Facilities

The M.Sc. program ensures a thorough knowledge and practice of Statistical Computing methods. Students are conversant with statistical software like R, MINITAB, MATLAB and SYSTAT. Interested students also use SPLUS, SPSS, GAUSS, Mathematica, Maple, etc. for their projects and research purposes.

Library Facility

The Department has an excellent library funded by the UGC, NBHM, FIST and the alumni as well. Right now the Department has around 9000 books and has subscribed to 35 journals from all over the world. The Department also receives around 20 more journals in exchange of Journal of Indian Statistical Association (JISA), a journal published by Indian Statistical Association with headquarters at the Department.

Inter-disciplinary Involvement

Students are frequently exposed to lectures from statisticians of national/international stature. There is a regular interaction between the Department and various other renowned institutions, Wildlife Institute of India, National Institute of Virology, ISI, IITs to name a few, for projects, workshops and internships.

Students have also been excelling in national level competitions organised by Indian Society for Probability and Statistics (ISPS) and International Indian Statistical Association

(IISA)project competitions, statistical essay writing competitions organised by Ministry of Statistics and Programming Implementation (MOSPI), Government of India(GOI), etc.

Research

An illustrative list of the areas in which research is pursued:

- Probability Theory & Stochastic Processes

- Statistical Inference

- Industrial Statistics: Reliability, Survival Analysis

- Biostatistics: Ecology, Bio-computing

Detailed information on the major research work in the Department is available on our website: http://unipune.ac.in/dept/science/statistics/index.html

Recognition

Savitribai Phule Pune University has been among the top universities of the country constantly for a long period of time. The Department has always been a centre of excellent academic achievements and it has not gone unnoticed by the various bodies of the Government and other university rating agencies as well. It has been receiving the UGC Special Assistance Grant since 1972. It was recognized as the Centre for Advanced Studies by UGC in 1998. It is the first and only Centre for Advanced Studies in Statistics in India. UGC has extended this recognition for the third phase from 2012 to 2017. The pharmaceutical giant PFIZER has given an endowment to the Department to provide scholarships for M.Sc. students on the basis of their academic performance.

The DST-FIST has also sponsored the Department for up-to-date computing facilities to the students and the faculty.

Placement Guidelines

Departmental placements are wholly facilitated by the Student Placement Committee. Correspondence regarding placement activities should be done with the Placement Committee e-mail address: placement_stats@unipune.ac.in

Students of the M.Sc. Statistics course, graduating in December 2016and June 2017, are eligible for placements. There are around 50 students in the current batch.

The placement session for 2016-17 begins in December, 2016.

Campus Recruitment Procedure:

- Companies interested in campus recruitment should send the duly filled-in Campus Recruitment Form (Stats_Unipune_CRF), preferably with relevant company literature, by email/courier/post to the Convener of the Placement Committee.

- Based on the feedback of the students and other Departmental activities, a mutually convenient date for the company visit is finalized by the Convener.

- Any specific requirements of the company (especially for briefing company profile or conducting online tests) should be conveyed to the Convener at least 3 working days prior to the campus visit to avoid any inconvenience.

- At the end of the selection process, the final list of selected students, duly signed by the company official, is to be handed over to the Placement Committee. No further interview/test should take place.

- Date of distribution of offer letters should be conveyed to the Convener at the end of the selection process. Detailed offer letter may be sent to the Convener for distribution among the selected students. The Convener will coordinate the activity of sending letters of acceptance to the employer from students.

- Students will join the companies only after the completion of their respective courses, preferably on/after 15th January (for students completing the course in December 2016) or on/after 15th June (for students completing the course in May 2017).

- The date of joining should preferably be within four months from the official date of completion of the respective course.
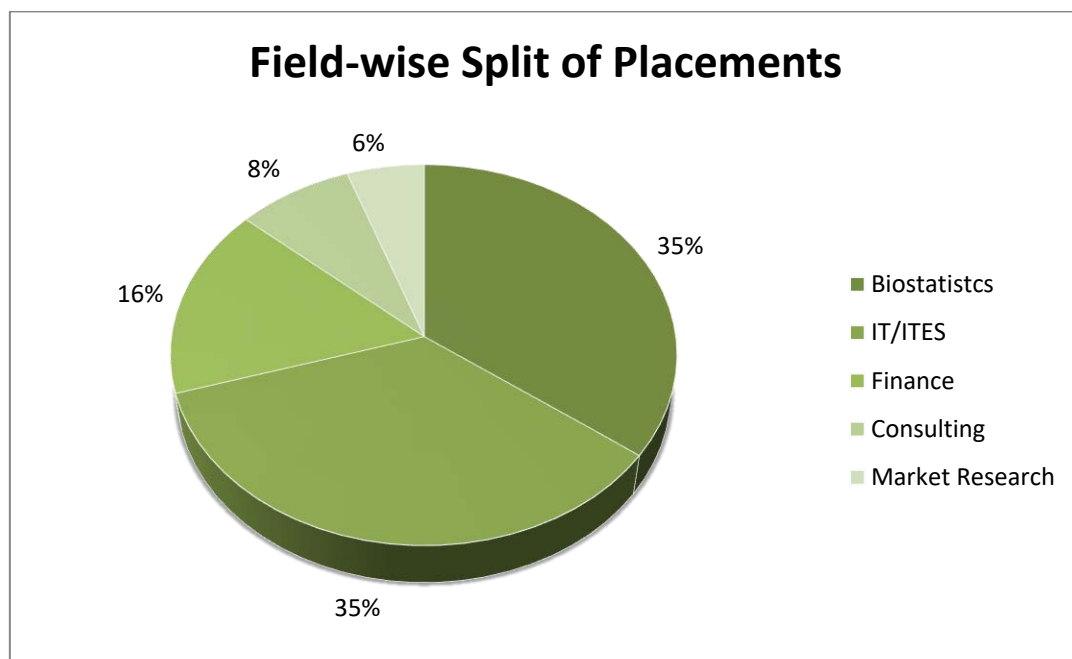
- The date of joining should be conveyed to the Convener and the selected candidates at least two weeks before the joining.

To know more about the placements at our Department and to access the recruitment form, visit our website: http://unipune.ac.in/dept/science/statistics/index.html.

Placement Report 2015-16

The figures for the placement session held for the academic year 2015-16 are as follows:

Number of Companies Participated	14
Number of Students opting for Placement	47
Number of Offers made	37
Average CTC of Total Offers	4.67 LPA
Highest CTC	10 LPA
Average CTC of Top 50%	6.15 LPA

Field-wise Split of Placements

- Biostatistcs 35%
- IT/ITES 35%
- Finance 16%
- Consulting 8%
- Market Research 6%

Past Recruiters

PHARMA/ BIO

Sciformix

Cytel

GSK

Novartis

Strand Life Sciences

Tata Consultancy Services

FINANCE/INSURANCE

ICICI Prudential

Bajaj Allianz

Deloitte

GE CAPITAL

Multi-Act

Hansa Customer Equity

Algo Analytics

HDFC

National Payments Corporation of India

Bajaj Finserv

JPMorgan Chase

Kotak Mahindra Bank

ENGINEERING

TATA Motors

Eaton Technologies Pvt. Ltd

Tavant Technologies

MARKET RESEARCH

METRIC GLOBAL

IDeaS

Nielsen BASES

Cartesian Consulting

Reliance

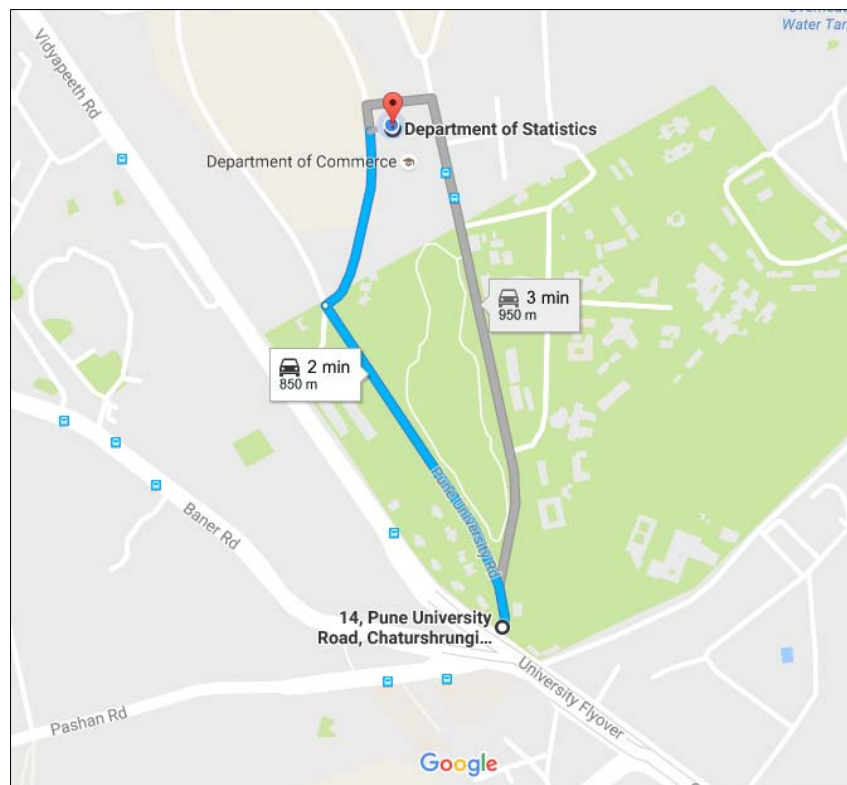**SOFTWARE/IT**

SYSTAT

SAS

SPSS

Cognizant

How to Reach?

View the location of the Department in Google Maps: http://goo.gl/maps/sV9MP

Pune city can be reached by means of air, railway or road. Distance from Pune airport to the University is approximately 12 Km.

Prepaid taxi service is available from Airport to reach the University.

Public Transports from railway/bus stations are also readily available.

Directions to the Department from the University Main Gate

After you enter the University, take the left lane.

Proceed and take the first right.

The Statistics Department is third on the right, adjacent to the Geology Department.

Alternatively, if you take the right lane, proceed till you reach the Mathematics Department.

Then take a left.

For any further queries, you may contact the placement committee.