Department of Statistics

Panjab University, Chandigarh

Campus

Recruitment Programme

2024-26

CONTENTS

MESSAGE FROM CHAIRPERSON

Dear Recruiter,

It gives me immense pleasure to express my appreciation for the manner in which the Department of Statistics has been conducting its activities. The Department of Statistics has recorded consistent improvement in its academic, research and placement performance. It offers an innovatively designed M.Sc. (Statistics) program whose curriculum is constantly updated to meet the changing requirement of the industry and to meet the needs of major stakeholders. Distinguished faculty combining academic excellence and real-world experience with dedication and commitment teaches the curriculum. Needless to say, this program has stood the test of time and has been accorded its due place in the corporate and the academic world.

Through this brochure we attempt to present a sketch of the Department and its activities.

I would also like to welcome the recruiters who are planning to recruit the students. My team and I are committed to ensure a seamless and delightful recruiting experience to our esteemed guests and help them find their right fit from a large talent pool. We understand and believe that manpower resources are one of the most critical resources for an organization's success. Hence the importance of selecting the right candidate as a precious resource for the organization increases manifold.

Our students can be the right option for your firm regardless of your growth phase, industry and geography, size of the organization or hiring outlook. I extend a warm invitation to you to visit the campus and take part in our Placement process. Please feel free to get in touch with me for sharing your thoughts or exploring other forums of engagement.

Prof. Narinder Kumar
Chairperson/Head
Department of Statistics
Panjab University
Chandigarh

MESSAGE FROM PLACEMENT COORDINATOR

The Department of Statistics, Panjab University, Chandigarh, stands as a distinguished hub of talented, motivated, and industry-ready students, equipped to meet contemporary industry and research demands. The Department emphasizes academic excellence, practical exposure, and holistic development to prepare students for real-world challenges.

Advancements in Statistics have significantly contributed to the rapid growth of Artificial Intelligence (AI) and Machine Learning (ML). During two year masters program, students are trained for soft-skills, communication skills, time management, personality development, presentation skills and group projects. The students gain extensive practical exposure through hands-on training with 'C' programming, R language as part of their curriculum and Python, Excel, SPSS through various workshops and training programs being organized in the Department.

The students are trained with a strong foundation in technical knowledge, problem-solving skills, adaptability, and professional ethics. Through a structured curriculum, industry interaction, and continuous skill development initiatives, we strive to bridge the gap between academia and industry.

The Placement Cell works diligently to bridge the gap between academia and industry by facilitating meaningful collaborations with organizations across diverse sectors. We take pride in offering recruiters access to a dynamic pool of students from the Department, who possess not only technical proficiency but also essential soft skills such as communication, teamwork, leadership, and problem-solving abilities.

The Department sincerely thank you for your time, trust, and interest in Statistics students. We welcome recruiters to collaborate with us in our campus recruitment program and provide our students with opportunities to begin successful professional careers.

The Department look forward to building long-term, mutually beneficial partnerships with your esteemed organization.

Harminder Singh Deosi
Placement Coordinator

CONSPECTUS OF PANJAB UNIVERSITY

Panjab University is one of the oldest Universities in India, established in 1882 as the University of Punjab at Lahore (now in Pakistan). Panjab University has a Long tradition of pursuing Excellence in the field of Science and Technology, Business Management, Humanities, Social Sciences, Performing Arts, Research and sports, guided by the motto 'Tamso Ma Jyotyrgamaya'. University campus is spread over an area of 550 acres (2.2 Km2) in Sector 14 and 25 of the city beautiful, Chandigarh University have 78 teaching and research departments and 15 Centres/ Chairs for teaching and research at the main campus located at Chandigarh. The University has, for the past 50 years, continued to create beacons of Light that have set benchmarks of performance and efficiency for others to follow. By virtue of its focus on quality education, credibility, achievements and philosophy, the Panjab

University has achieved the status of University of International Recognition. It has, for over a century, been delivering the promise of providing the Nation with efficient and educated youth to bear the responsibilities of the future. Revered alumni of the University include internationally renowned personalities like Kalpana Chawla, the US Astronaut; Former Prime Minister of India, Dr. Manmohan Singh; Sushma Swaraj, Former Union Minister for External Ministers being a few examples.

STATISTICS DEPARTMENT PROFILE

VISION OF THE DEPARTMENT
To excel by providing quality education in Statistics and inculcating innovative thinking among students to contribute fruitfully in their respective spheres.

MISSION OF THE DEPARTMENT
To develop the Department as a Centre of Excellence to impart best knowledge of Theoretical and Applied Statistics.

ABOUT THE DEPARTMENT
The Department of Statistics was established in 1964 as a part of Mathematics Department, and since 1974 it is an independent Department.

The Department offers Master's and Ph.D. Courses in Statistics. The courses are designed to develop analytic and inferential aptitude of the students through theory and rigorous practical assignments along with exposure to practical training during the course of their study.

The Department has received financial support for its academic growth under COSIST, FIST and SAP scheme of UGC and DST of the Government of India. The Department has also been awarded the status of DSA (Department under Special Assistance) by UGC based on its excellence in Teaching and Research.

It is among one of the active departments in the country carrying out research in fields of Multiple Comparison Procedures, Reliability and Survival Analysis, Statistical Inference and Applied Statistics (Actuarial Statistics, Bio-Statistics, Econometrics and Income Distributions).

The Department has well equipped Computer laboratory with access to softwares like MINITAB, SPSS, SYSTAT, R, S-PLUS, PYTHON and STATGRAPHICS. The students are given training for usage of R and SPSS for solving their practical assignments.

Eminent Statisticians from India and other countries keep visiting the Department frequently for delivering lectures and research collaboration. The faculty members attend National and International conferences. Interaction with neighbouring industries in the field of process control and with institutes like PGIMER, GMCH, NIPER, IMTECH, CRRID, Census and NITTTR etc. for providing research consultancy to doctors and researchers is another highlight of the Department of Statistics. The faculty members also collaborate with sister departments for research and data analysis.

The Department of Statistics has an independent Library which has on shelf more than 5000 books and access (offline & online) to about 20 journals.

THRUST AREAS OF THE DEPARTMENT INCLUDE
Multiple Comparison Procedures
Reliability and Survival Analysis
Statistical Inference
Applied Statistics: Actuarial Statistics, Bio-Statistics, Econometrics and Income Distributions

ADVANTAGES AND FACILITIES

The Department makes the best use of its location in the educational hub of Chandigarh, India. The computer lab of the Department is well equipped with high-end software and hardware, enabling students to carry out practical assignments using various statistical software packages. As part of the academic curriculum, students are trained in programming languages such as C and R, while additional tools including Python, SPSS, and Advanced Excel are imparted through specialized workshops. The students of the Department also undergo one month of rigorous training/internship in reputed industries and organizations to gain practical exposure. Furthermore, faculty members actively train students in various data analysis techniques used in research and industrial applications.

INTERACTION WITH INDUSTRY AND OTHER INSTITUTES

The Department is making a continuous effort to establish rapport with more neighboring industries and institutes to have close interaction particularly in process control and optimization techniques. The Department is also providing consultation to Medical Doctors specifically in the area related to Medical Statistics and use of advanced techniques like MANOVA, ANCOVA, Survival Analysis, Structural Equation Models, Actuarial, Categorical Data Analysis using Graphics and time series analysis techniques using Generalized Additive Models (GAM). The researchers from neighbouring institutes and reputed industries also approach the Department for solutions to their problems related to "Optimization techniques" and "process control."

FACILITIES

COMPUTER LAB

To give a meaningful thrust to the amalgamation of various fundamentals learnt and knowledge gained in theory classes, the Department has an independent well-equipped air-conditioned computer lab. It has latest computer systems and peripheral devices. The computer lab is linked to the main computer centre of the University and digitally connected to the University library. The students have facility to access the internet as well as the journals/books that are available in the University library.

LIBRARY

A.C Joshi Library of Panjab University – one among the best libraries in India, with about million volumes including a fine collection of reference books and a subscription to over 1500 journals and periodicals.

In addition to having access to University Library, the department has its own library where various issues of 29 Journals and around 4500 books are available on open shelves.

FACULTY PROFILE

The Department of Statistics at Panjab University is distinguished by a deeply committed and proficient faculty body, whose dedication ensures that academic endeavors extend far beyond standard teaching requirements. This team of educators combines exceptional scholarly expertise with a wide and diverse spectrum of course offerings, creating an immensely rich resource for students. The environment fostered is one of academic excellence and intellectual vitality, providing a robust foundation for both undergraduate and postgraduate studies.

Our faculty's expertise spans a comprehensive array of cutting-edge and fundamental statistical disciplines. Their collective research proficiency covers areas including Statistical Inference, Linear Models, Econometrics, and advanced Multiple Comparison Procedures. Further specialization within the department encompasses Order Restricted Inference, Regression Analysis, Simulation, Biostatistics, and the burgeoning field of Bioinformatics. This vast intellectual capital ensures that students are exposed to both theoretical depth and modern applied methodologies.

The scholarly impact of our faculty is demonstrated through active and respected research engagement. Members are consistently recognized as prime invitees to prestigious national and international seminars, reflecting their standing in the global statistical community. Beyond academia, they proactively bridge the gap between theory and practice by conducting specialized training programs for professionals from various industries, equipping them with the latest statistical techniques and computational tools, including programming in C ,R , python and SPSS.

Ultimately, the strength of the department lies in this synergy of high-caliber research, extensive teaching proficiency, and a commitment to knowledge dissemination. From Statistical Modeling and Distribution Theory to Computational Statistics and Mathematical Programming, the faculty provides unparalleled guidance. This powerful combination of dedicated mentorship and academic rigor prepares students not only for academic success but also for leadership roles in research, industry, and data-driven professions worldwide.

FACULTY MEMBERS

Professor

PROF. NARINDER KUMAR

Statistical Inference and Multiple Comparison Procedures

Professor

DR. SURESH KUMAR SHARMA

Statistical Modelling, Biostatisics, Ranking and Selection, Statistical Inference, distribution theory and Bioinformatics

Assistant Professor

DR. MANOJ KUMAR TIWARI

Linear Models, Econometrics

Associate Professor

DR. ANJU GOYAL

Multiple Comparison Procedures, Order Restricted Inference Procedure, Regression, Simulation

System Administrator

HARMINDER SINGH DEOSI

Patter Recognition, Machine learning, Statistical & Mathematical Programming in C, Computational Techniques using R

STUDENT PLACEMENT COORDINATORS

Chandrima (M.Sc. II)

Hardik (M.Sc. II)

Meghna (M.Sc. II)

Abhavya (M.Sc. I)

Sourav (M.Sc. I)

Distinguished Invited Speakers

Name	Designation and Affiliation
Prof. Neeraj Misra	Department of Mathematics and Statistics, IIT Kanpur
Prof. Jitendra Kumar	Professor & Head, Department of Mathematics, IIT Ropar
Prof. T.V.Ramanathan	Professor & Head , Department of Statistics, Savitribai Phule Pune University
Prof. Omer Ozturk	Department of Statistics, The Ohio State University, USA
Mr. Ramesh Kumar Gupta	Retired Director, Labour Bureau, Ministry of Labour and Employment, Government of India
Prof. Ashis SenGupta	Distinguished Professor, Department of Statistics, Middle East Technical University , Ankara, Turkey
Mr. Gurdeep Kalra	Principal Consultant, Infosys,USA
Prof. Tumulesh Solanky	Chair and Professor of Mathematics at University of New Orleans
Prof. Frank P. Coolen.	The Ohio State University, USA
Dr. Ramesh C. Nayyar	Retd. I.A.S . Office and Retd. Punjab Cadre
Dr. Amreek Singh	Scientist, Defence Geoinformatics Research Establishment (DRDO)

ACTIVITIES

PG students of the Department provide statistical consultancy in the projects handled by various organizations/industries and University Departments. Many students from the department are involved one to two months of training with Labour Bureau, Department of Economics & Statistics, PGIMER and NSSO.

Past Recruiters

1. Xenon Stack
2. Xceedance
3. Crossml
4. Geninvo
5. RebusCode
6. Mercer
7. Binary Semantics
8. EnerCross
9. Chegg India
10. Paisabazaar Marketing and Consulting Pvt. Ltd.
11. Tata Consultancy Services (TCS)
12. Bridgei2i
13. Accenture
14. Hash brown Systems Pvt. Ltd.
15. Genpact
16. Parexel
17. GE Money
18. Biosoft
19. Ranbaxy
20. Panacea biotech

COURSE CURRICULUM

The course offered during the Master's program covers an array of subjects relevant to the theoretical base as well as practical orientation.

The first year introduces the students to a basic understanding of statistical methods, computer packages, inferential statistics and its applications in various fields. This helps the students to make informed choices about their career, research interests and elective subject in second year. A glimpse of the wide range of subjects offered is given below.

M.SC. (2-YEAR COURSE) (SEMESTER SYSTEM)

FIRST SEMESTER	SECOND SEMESTER	THIRD SEMESTER	FOURTH SEMESTER
• Linera Algebra* • Distribution Theory* • Statistical Method with packages* • Operational Research* • Real Analysis	• Numerical Techniques Using C* • Estimation and Testing of Hypothesis* • Sampling Theory and Official Statistics* • Measure and Probability Theory • Complex Analysis	• Non-parametric Inference* • Statistical Process and Quality Control* • Linear Inference* • Statistical Simulation and Computation using R*	• Multivariate Analysis* • Design and Analysis of Experiment* • Econometrics* • Stochastic Processes

* Indicates course with practical using packages according to the need of the subject.

Skill Enhancement Course

An additional Skill Enhancement Course on Machine Learning using Python and Mastering Basic to Advanced Excel is being run by the Department for students, and this helps them to be technically sound in handling various problems related to industry and other areas of research.

PROJECT WORK

The students of M.Sc. 3rd & 4th Semester undertake project work under the supervision of faculty members and make presentation at the end of the 4th Semester.

BATCH PROFILE
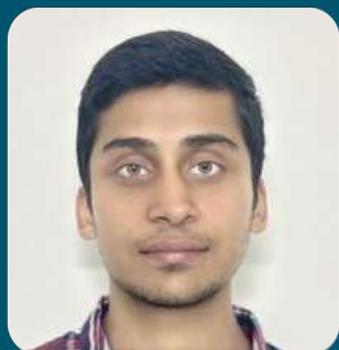
ABHINAV KUMAR

QUALIFICATION:
- B.Sc. Non - medical
- M.Sc. Statistics

ADDITIONAL CERTIFICATION:
- MS Excel
- C
- C++
- R and SPSS
- Python

TECHNICAL SKILLS

- C
- R
- Python
- Excel
- PowerBI
- Jamovi
- Basic SQL

PROJECTS UNDERTAKEN:
- Conducted comprehensive time series analysis on economic indicators like CPI and crude oil prices, utilizing statistical techniques to identify trends, seasonality, and stationarity.
- Developed and optimized ARIMA and GARCH models for accurate forecasting, enhancing predictive insights into economic data fluctuations.
- Automated data processing and visualization using Python libraries (pandas, matplotlib, seaborn), streamlining analysis workflows and improving data interpretation efficiency.
- Google capstone projects
- Free Code Camp course exercises
- Datacamp course projects
- R projects done during Udemy course Calculator in C and R

ABHISHEK KUMAR

QUALIFICATION:
- BSc (Non medical)
- MSc statistics

TECHNICAL SKILLS
- R programming
- C programming

PROJECTS UNDERTAKEN:
- R calculator
- C calculator

AKANKSHA

QUALIFICATIONS
- Bachelor's in Sciences
- Masters in Statistics

ADDITIONAL CERTIFICATION:
- Basic & intermediate excel
- Data analysis using excel
- Read for success 6-days workshop
- R programming course

TECHNICAL SKILLS

- MS excel
- C
- Python
- C++
- R

ADDITIONAL SKILLS

- Communication
- Management
- Active Listening
- Teamwork
- Adaptability
- Leadership

PROJECTS UNDERTAKEN:

- C-calculator project

- R-calculator project

BATCH PROFILE

AKSHAY

QUALIFICATION:
- B.Sc. (Mathematics & Computer Science)
- Masters in Statistics

ADDITIONAL CERTIFICATION:
- Internship Certificate in Survival Analysis Using SPSS

TECHNICAL SKILLS
- MS EXCEL
- SQL
- PYTHON
- C Programming
- R Programming

ADDITIONAL SKILLS
- Analytical & Problem-solving Ability
- Teamwork & Adaptability
- Attention To Detail & Critical Thinking
- Presentation
- Time Management

WORK EXPERIENCE:

- Intern – Survival Analysis using SPSS International Institute for Population Sciences, Mumbai

PROJECTS UNDERTAKEN:
- Survival Time of Cancer Patients Based on Stage at Diagnosis
- Analyzed survival data of 100 cancer patients using Kaplan–Meier, Life Table, and Cox regression in SPSS.
- Estimated median survival (~1330 days) and observed declining survival probabilities over time.
- Identified cancer stage as a significant predictor of survival (p = 0.033; HR = 0.41), highlighting benefits of early diagnosis.
- Developed statistical reports and survival visualizations for healthcare interpretation.

BATCH PROFILE

AKSHITA

QUALIFICATION:
- B.Sc. (Computer Science, Statistics & Mathematics)
- M.Sc.(Statistics)

ADDITIONAL CERTIFICATION:
- Certification in Power BI from Skill Course | 2025
- TATA Consultancy Services ESG | 2023
- Training in Data Science with Python | 2022
- The Ultimate MySQL Bootcamp | 2022 | Udemy

TECHNICAL SKILLS
- Structured Query Language (SQL)
- Python
- R Studio
- Data visualization - Power BI
- Jamovi
- LaTex
- Development environment: Jupyter notebook
- Microsoft Excel
- C, C++ Programming
- Anaconda and Google Collab
- SPSS

ADDITIONAL SKILLS
- Strong communication skills
- public speaking
- Interpersonal skills
- teamwork

WORK EXPERIENCE:
- Internship at Labour Bureau, Shram Bhawan, Chandigarh
  2 June, 2025 – 11 July,2025

- Management Trainee at Overseas Healthcare Pvt. Ltd.
  December 2023 – March 2024.

- Subject Matter Expert at HaZZten Edutech, Kolkata
  August 2022 – March 2023

PROJECTS UNDERTAKEN:
- Mathematical, Statistical, Simulation & Numerical Methods Calculator using C programming (completed) and R programming (Ongoing).
- Mobile Sales Data Dashboard, where I explored the power of data visualization and business intelligence using power BI.
- India is a Crucial Balancing Force Against China. Comparison of India's and China's technological and economic using python.
- Mood-based food recommendation system Based on dataset of different countries provided by Zomato, identifying mood-based food restaurants using python

BATCH PROFILE

ANKAJ KUMAR

QUALIFICATION:
• Bsc in mathematics & computer science
• Msc in statistics

ADDITIONAL CERTIFICATION:
• Data analysis using python course certificate

TECHNICAL SKILLS
• Python for data analysis
• R
• SQL
• C
• SPSS
• Power bi

ADDITIONAL SKILLS:
• Team work
• Communication and problem solving skills

WORK EXPERIENCE:
• One month internship at CRRID

PROJECTS UNDERTAKEN:
• Quest for increasing farmers income : A study of agri-business potential and prospects in Punjab and Haryana
• Presented an insurance analytics project at a national-level science conference, interpreting model results for insurance risk assessment and policy evaluation in CHASCON 2025

ARPITA JAIN

QUALIFICATION:
• Bachelors in Arts Economics Honours (Statistics, Mathematics & Economics)
• Masters in Statistics

TECHNICAL SKILLS:
• R Programming
• C Programming
• Microsoft Excel
• Microsoft PowerPoint

WORK EXPERIENCE:
• National Internship in Official Statistics(NIOS)-2025 with the National Statistical Office (NSO), Field Operations Division (FOD), Regional Office (RO) Chandigarh under the Ministry of Statistics and Programme Implementation, Government of India.

PROJECTS UNDERTAKEN
• Suicide: An Indian Perspective, applied multiple linear regression along with statistical analysis; presented at 17th CHASCON – 2024 (2nd Prize)
• Ripple Effects of U.S. Tariffs on Indian Economy: Data-driven economic analysis through SVAR model on EViews
• R and C programming Calculators

BATCH PROFILE

BHARAT BHUSHAN

QUALIFICATION:
- Bsc mathematics
- Msc statistics

ADDITIONAL CERTIFICATION:
- Data Science course by CodeWithHarry

TECHNICAL SKILLS
- C program
- R language
- HTML and python at intermediate level

ADDITIONAL SKILLS:
- Graphics designing
- Video editing and Drawing

PROJECTS UNDERTAKEN:
- R Calculator
- C Calculator

BHUMIKA SHARMA

QUALIFICATION:
- Bsc mathematics Honors
- Msc statistics

ADDITIONAL CERTIFICATION:
- Four-day workshop on Mathematical Foundations for Data Analytics
- One-week workshop on Mastering Basic to Advanced Excel
- One-week workshop on Machine Learning Using Python

TECHNICAL SKILLS
- R
- C
- Mathematica
- LaTex
- MS Excel
- MS PowerPoint

BATCH PROFILE

CHANDRIMA SEAL

QUALIFICATION:
- B.Sc. (Hons.) Statistics
- M.Sc. Statistics

ADDITIONAL CERTIFICATION:
- ACET (Sept 2025 attempt) from Institute of acturies of India
- Job Simulation program in Risk Analyst from Goldman Sachs
- Search Engine Optimization Basics (SEOs) from Lear Tube.ai

TECHNICAL SKILLS
- C
- R
- Python
- SPSS
- MS Excel

ADDITIONAL SKILLS:
- Communication
- Data Analysis
- Quantitative Finance

WORK EXPERIENCE
- Secondary Data Analysis Intern at the Ministry of Panchayti Raj Government of India.
- Financial Research intern at Gravitas Masters

PROJECTS UNDERTAKEN:
- Portfolio Optimization using Modern Portfolio Theory and Simulation in python ,
- Basic R calculator
- Basic calculator using C
- Income Generation Trends with Changes in Education Policies using Regression Analysis in SPSS

GAJENDRA KUMAR SAINI

QUALIFICATION:
- BSc Non medical
- MSc statistics

ADDITIONAL CERTIFICATION:
- Computer Science Diploma (RCIT)

TECHNICAL SKILLS:
- R programming
- C programming

PROJECTS UNDERTAKEN :
- C calculator
- R calculator

BATCH PROFILE

GURLEEN KAUR

QUALIFICATION:
- B.Sc. hons Statistics
- M.Sc. Statistics

ADDITIONAL CERTIFICATION:
- Cleared ACET
- Computer application diploma
- Advance Excel

TECHNICAL SKILLS
- R
- C
- Mathematica
- MS Office

WORK EXPERIENCE:
- Research Intern Triedge.in
- Worked as a intern at ICCIN Chemical Pvt.Ltd.
- Interned at KPMG India where I assisted in data cleaning and reporting activities using excel and power bi

PROJECTS UNDERTAKEN:
- Developed a logistic regression model to predict insurance claim probability insurance claim probability using 19 variables
- Built a R shiny app to estimate risk based insurance premiums

BATCH PROFILE

HARDIK

QUALIFICATION:
- Bachelor of Science (Honours Course) Mathematics
- M.Sc. Statistics

ADDITIONAL CERTIFICATION:
- Completed certification in Artificial Intelligence and Data Science Upskilling Program Level 2, 3 by IIT Ropar, Punjab.

TECHNICAL SKILLS

- R
- C
- Mathematica
- LaTex
- MS Office
- Jamovi

WORK EXPERIENCE:
- Summer Internship at Reserve Bank of India (RBI) Chandigarh RO
- Worked on the project titled: "Adoption of Digital Payments in Punjab/Haryana/UT Chandigarh - Progress and Challenges

PROJECTS UNDERTAKEN:
- Worked on the project titled: "Adoption of digital payments in Panjab/Haryana and UT Chandigarh- Progress and Challenges.
- Submitted Research Paper for publishing on "Abundant analytical soliton solutions, distinct solitary waves, and other diverse interaction
phenomena to the nonlinear (2+1)-dimensional and (3+1)-dimensional generalized Camassa-Holm-Kadomtsev- Petviashvili (g-CHKP) equations" completed under the mentorship of Dr. Ruchi Kaur, professor at Sri Guru
Tegh Bahadur Khalsa College, University of Delhi.
- Created R Calculator and C calculator projects.

BATCH PROFILE

HARMANJOT KAUR

QUALIFICATION:
- Bachelor in Arts (Maths, Economics, English and Hindi)
- M.Sc. Statistics

ADDITIONAL CERTIFICATION:
- Beginner to advanced Excel and Vedic Maths

TECHNICAL SKILLS
- Excel
- C programming
- Python
- C programming
- Power B

ADDITIONAL SKILLS:
- Fluency in English, Hindi and Punjabi, good in time Management
- communication Skills
- Logical Thinking & Team Work

WORK EXPERIENCE:
- Online 14 days intership under institute younity.in
- Winter Internship from Ministry of Statistics and Programme implementation

PROJECTS UNDERTAKEN:
- Designed Predictive models to predict water potability using Machine Learning
- Calculator on C

HIMANI SHARMA

QUALIFICATION:
- Bachelor in Science (Non medical)
- Masters in Statistics

TECHNICAL SKILLS:
- Python
- C
- R
- SQL (Oracle)
- PowerBI

ADDITIONAL SKILLS:
- Communication Skills
- Teaching Skills

WORK EXPERIENCE:
- Summer Intern at Ministry of Statistics and Programme implementation

PROJECTS UNDERTAKEN:
- Analysis of cyber crimes
- R calculator
- C calculator

ISHTY SETHI

QUALIFICATION:
- B.Sc. Hons. Mathematics
- Msc Statistics

ADDITIONAL CERTIFICATION:
- Completed an add on course on Vedic Maths
- Ethical hacking
- Android app development
- Data Analysis

TECHNICAL SKILLS:

- Python
- MySQL
- C++
- C
- Latex
- HTML
- R
- Wolfram Mathematica

WORK EXPERIENCE:
- Completed an internship at Sanmati Forensic Lab as a digital Forensics intern under Sanmati Virtual Internship program
- Completed an internship at Centre for Research in Rural and Industrialdevelopment (CRRID)
- Winter Intern at Ministry of Statistics and Programme implementation

Projects Undertaken:
- Involved in the study "Quest for Increasing Farmers' Income", with responsibilities including secondary data collection, data entry, and statistical analysis.
- Conducted primary data collection, surveying 9,000+ people for national surveys (ASI, ASUSE, etc.) supporting India's economic analysis.

KASHISH

QUALIFICATION:
- Bachelor's of arts
- M.Sc. Statistics

ADDITIONAL CERTIFICATION:
- c and c++
- Python with My SQL
- Django,mongodb and flask

TECHNICAL SKILLS:
- C
- R
- Python
- HTML
- Tableau
- SQL
- Excel

ADDITIONAL SKILLS
- Team management
- Quick learner

PROJECTS UNDERTAKEN:
- Stock Market Prediction:
Analyzed historical stock market data using statistical techniques, performed data cleaning, preprocessing, and EDA, applied basic predictive models to forecast price movements, visualized trends using charts and graphs, and gained hands-on experience in data analysis, feature selection, and result interpretation.
- ATM project
- Calculator in R and C

BATCH PROFILE

KASHISH MALHOTRA

QUALIFICATION:
- BSc. (Mathematics Hons)
- M.Sc. Statistics

ADDITIONAL CERTIFICATION:
- Programming with Python,
- Microeconomics principles from Coursera,
- Digital marketing from Post digital.

TECHNICAL SKILLS
- Python
- R programming
- SQL
- Microsoft Excel
- Power BI

ADDITIONAL SKILLS:
- Graphic Designing

WORK EXPERIENCE:
- Summer Internship at Labour bureau

PROJECTS UNDERTAKEN:
- Multi-functional R calculator
- Comparative analysis of CPI-IW using Power BI.
- AQI forecasting

MANASVI MAGGU

QUALIFICATION:
- B.Sc. CSM (Computer Science, Statistics, Mathematics)
- M.Sc. Statistics

TECHNICAL SKILLS:
- C
- C++
- R
- SQL
- Basic Python
- Microsoft Excel
- Power BI

ADDITIONAL SKILLS:
- Canva
- Event Management

PROJECTS UNDERTAKEN:
- Calculator including Arithmetic , statistics , numerical using C
- Calculator including Arithmetic , statistics , numerical and simulation using R
- Online 14 days intership under institute younity.in titled "Business Development Specialist"

BATCH PROFILE

MANGIBA MONGA

QUALIFICATION:
- B. Sc.(hons.) Mathematics
- Msc Statistics

TECHNICAL SKILLS:
- R
- C
- python
- MATLAB
- Data analysis using excel

ADDITIONAL SKILLS:
- Communication
- Problem Solving
- Teamwork

WORK EXPERIENCE:
- Winter Intern at Ministry of Statistics and Programme implementation

PROJECTS UNDERTAKEN:
- R calculator,
- C calculator,
- Publication of 'SH waves propagation in a layered coupled plate under non local theory'

MANIK KUMAR BADHWAR

QUALIFICATION:
- B.Sc computer science
- Statistics
- Mathematics
- M.Sc Statistics

WORK EXPERIENCE:
- Internship on Official Statistics at National Statistics Office under MoSPI

BATCH PROFILE

MANVEER SINGH

QUALIFICATION:
- B.Sc (H) Mathematics & Computing
- Msc Statistics

ADDITIONAL CERTIFICATION:
- Attended Personality Development Workshops

TECHNICAL SKILLS
- MS OFFICE,
- R PROGRAMMING,
- C PROGRAMMING,
- SPSS

ADDITIONAL SKILLS:
- Content Writer • Analytical Thinker • Chess player

WORK EXPERIENCE:
- Internship at Centre for Research in Rural and Industrial Development (CRRID).

PROJECTS UNDERTAKEN:
- Impact Of Health Care Practices On The Earning Of The Daily Wage Earners In Chandigarh

MEGHNA SINGH

QUALIFICATION:
- B.Stat
- M.Sc Statistics

TECHNICAL SKILLS:
- C
- C++
- STATA
- R
- SAS
- SQL
- Advance Excel
- MS office

ADDITIONAL SKILLS:
- German A1 certified
- Canva
- Very basic knowledge of japanese
- Typing speed of 70wpm

WORK EXPERIENCE:
- 2 month internship from Ihat which is a non profit organization
- 7 month internship from State Institute of health and family welfare from lucknow

PROJECTS UNDERTAKEN:
- Facility readiness of DH and CHC/FRU
- Prevalence and Factors associated with anemia among women in Uttar Pradesh
- Calculator including Arithmetic , statistics , numerical using C
- Calculator including Arithmetic , statistics , numerical and simulation using R

BATCH PROFILE

NAVEEN PATYAL

QUALIFICATION:
• Bachelors in science(non medical)
• Master's in statistics

TECHNICAL SKILLS:
• C programming
• R programming
• Jamovi

PROJECTS UNDERTAKEN:
• C Calculator
• R Calculator

NIHARIKA

QUALIFICATION:
• B.sc.(H) Mathematics • M.Sc. Statistics

ADDITIONAL CERTIFICATION:
• Cleared ACET, has German A1 certification

TECHNICAL SKILLS:
• Excel • C • R • SPSS

WORK EXPERIENCE:
• Worked at CRRID

PROJECTS UNDERTAKEN:
• Impact in the income of daily wagers because of health
• Calculator project using R and C

NISHITA VIRMANI

QUALIFICATION:
• BSc Statistics hons
• MSc Statistics

ADDITIONAL CERTIFICATION:
• ACET Qualified (March 2025)

TECHNICAL SKILLS:
• R • Advance • Excel • SQL

WORK EXPERIENCE:
• 9 months full time internship in Pramerica Life Insurance

PROJECTS UNDERTAKEN:
• Statistical Analysis of Make in India, C & R Calculator

BATCH PROFILE

NITASHA

QUALIFICATION:
- CSM (Computer, Statistics and Mathematics)
- Master's in Statistics

PRATIBHA BEHL

QUALIFICATION:
- B.Sc. Mathematics (Honors)
- M.Sc. Statistics

ADDITIONAL SKILLS:
- Python for beginners
- Word Press
- Shopify
- 2day Genitive AI workshop by the company Outskill

TECHNICAL SKILLS:
- Python • R Programming • C Language • Microsoft Word
'• Microsoft Power Point • Microsoft Excel

ADDITIONAL SKILLS:
- Communication Skills • Punctuality • Knowledge of AI Tools and Techniques
- Adaptability • Quick Learning • Team Collaboration

PROJECTS UNDERTAKEN:
- Calculator project in R programming and C language.

REEVA MITTAL

QUALIFICATION:
- B.Sc. General (Subjects: Mathematics, Statistics, I.T.)
- M.Sc. Statistics

TECHNICAL SKILLS:
- C
- C++
- SQL
- R
- LINUX

RIYA

QUALIFICATION:
- BSc (Physical Science) With Electronics
- Master's in Statistics

RIYA

QUALIFICATION:
- Bachelor of Arts
- MSc Statistics

ADDITIONAL CERTIFICATION:
- Python Using AI Workshop (AI For Techies, June 2025) covering AI-assisted coding,debugging, and interactive visualization.

TECHNICAL SKILLS:
- R • Python • C • Microsoft Office

ADDITIONAL SKILLS:
- Communication skills • adaptability and flexibility • critical thinking
- team work • problem solving • time management

PROJECTS UNDERTAKEN:
- Made a calculator using R language
- C language and a snake game using python

BATCH PROFILE

SAMRIDDHI JAIN

QUALIFICATION:
- BSc Statistics Honours
- MSc Statistics

TECHNICAL SKILLS:
- SQL • C++ • Excel • R • Python

ADDITIONAL SKILLS:
- Computer Skills • Typing Skills • Presentation Skills • Team Collaboration
- Time Management And Problem Solving.

WORK EXPERIENCE:
- Population council (Worked on Data Analysis and research and scientific writing)
- 1 year work experience as an Associate- Data Analyst in Atulya Foundation.
- 3 months internship in RICREATE as a Data-analyst intern.

PROJECTS UNDERTAKEN:
- Analysis on Road Accidents
- Suicide: An Indian Perspective

SHIVANI

QUALIFICATION:
- B.Sc. Non Medical
- M.Sc. Statistics

TECHNICAL SKILLS:
- Programming languages: R and C

ADDITIONAL SKILLS:
- Public Speaking

WORK EXPERIENCE:
- Provided tuitions in Mathematics and Science to school students

PROJECTS UNDERTAKEN:
- Calculator using C and R language

BATCH PROFILE

SHIVNANDAN RIKHEE

QUALIFICATION:
• BSc. (Hons) Mathematics
• M.Sc. Statistics

TECHNICAL SKILLS:
• SPSS

WORK EXPERIENCE:
• 1 month internship programme at CRRID

PROJECTS UNDERTAKEN:
• Quest for Increasing Farmer's income: A study of Agri-Business Potential and Prospects in Punjab and Haryana

SIMRAN

QUALIFICATION:
• B.Sc Mathematics Hons
• M.sc Statistics

ADDITIONAL CERTIFICATION:
• Introduction and Applications of Python
• MATLAB programming Techniques

ADDITIONAL CERTIFICATION:
• R • SQL • C • Python

PROJECTS UNDERTAKEN:
• Basic calculator using C and R ,
• Business Analytics, A Comparative Review of Mean Estimator in Simple Random Sampling

SIMRANPREET KAUR

QUALIFICATION:
• Bsc(hons) mathematics
• MSc Statistics

TECHNICAL SKILLS:
• R • C and python language

ADDITIONAL SKILLS:
• Machine learning using python

PROJECTS UNDERTAKEN:
• Calculator in C and R language and multimodel stock prediction

BATCH PROFILE

TUSHAR MALGOTRA

QUALIFICATION:
- B.Sc.(hons.) Mathematics
- MSc Statistics

TECHNICAL SKILLS:
- R • C • Python Language

PROJECTS UNDERTAKEN:
- Calculator in C and R language, Multimodel stock prediction

VANSHIKA

QUALIFICATION:
- Bsc(honos.) Mathematics
- M.Sc. Statistics

TECHNICAL SKILLS:
- Python
- R
- SQL
- Power BI

ADDITIONAL SKILLS:
- Communication skills and problem solving skills

PROJECTS UNDERTAKEN:
- R calculator
- C calculator
- Excel Dashboard

YASH KUMAR

QUALIFICATION:
- B.Sc.(hons) Mathematics and computing
- M.Sc. Statistics

ADDITIONAL CERTIFICATION:
- Python: Beginner to Advanced For Data Professionals
- IBM Data Science Professional Certificate.

TECHNICAL SKILLS:
- C-programming
- R
- Python
- SPSS

WORK EXPERIENCE:
- Internship at Centre for Research in Rural and Industrial Development (CRRID)

PROJECTS UNDERTAKEN:
- Impact Of Health Care Practices On The Earning Of The Daily Wage Earners In Chandigarh
- Predicting the Future of Air :A Machine Learning approach to AQI forecasting in Delhi and Chandigarh. (CHASCON)
- Calculator project on C
- Calculator project on R

Department of Statistics

Panjab University, Chandigarh

How to Reach

Department of Statistics
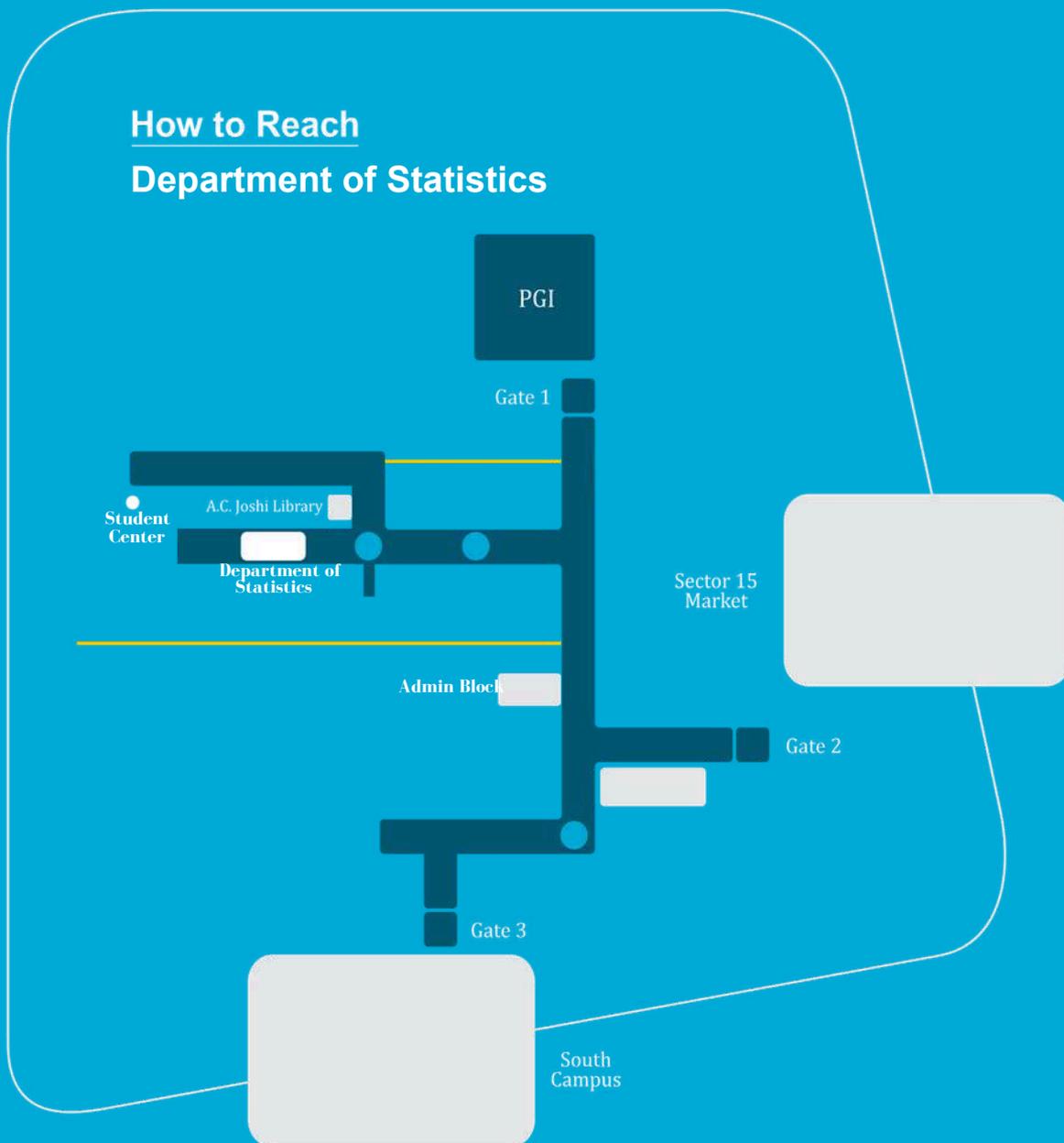
PGI

Gate 1

A.C. Joshi Library

Student Center

Department of Statistics

Sector 15 Market

Admin Block

Gate 2

Gate 3

South Campus

MATHEMATICS · STATISTICS · PSYCHOLOGY

Department of Statistics

Panjab University Chandigarh

For further information please contact:
Harminder Singh Deosi: 9872214877
Department of Statistics
Panjab Universtiy, Chandigarh- 160014
Tel:0172-2541776,2534534
Email: stats_placement@pu.ac.in