



IIPS Internship Brochure

MBD 2022-2024

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About the Institute

The International Institute for Population Sciences (IIPS), Mumbai, formerly known as the Demographic Training and Research Centre (DTRC) till 1970, was established in July 1956 under the joint sponsorship of Sir Dorabji Tata Trust, the Government of India and the United Nations. It serves as a regional center for Training and Research in Population Studies for the ESCAP region.

IIPS holds a unique position among all the regional population centers. It was the first such center started, and it serves a much larger population than any of the other regional centers. The Institute is under the administrative control of the Ministry of Health and Family Welfare, Government of India.

Institute had conducted many prime surveys like National Family Health Survey (NFHS), District Level Household Survey (DLHS), Assessment of National Rural Health Mission (NRHM), YOUTH in India Project, Global Adult Tobacco Survey (GATS India Project), Research Intervention on Sexual Health Theory to Action (RISHTA Project), and Nutrition Surveys and Longitudinal Aging Study in India (LASI).

DIRECTOR DESK



Prof. K.S. James

*Director,
International Institute for Population Sciences.*

It is my great pleasure to introduce International Institute for Population Sciences (IIPS), Mumbai whose history goes way back to 1956. IIPS has been recognized as Deemed University considering its wide contribution to the field of demographic and health research, teaching and training. The Institute is able to successfully blend cutting edge research with teaching, with the help of a set of accomplished members of faculty having a multidisciplinary background. The students are equipped in dealing with large datasets, use advanced quantitative and qualitative techniques and learn how to interpret the results for better policy and program interventions. Our students excel in the fields of Population Sciences and Biostatistics. Our collaborations with international organizations such as UNICEF, UNFPA, WHO etc. as well as with world's leading universities help us to groom and expose our students in the emerging areas of population studies and health research. I warmly invite you to the campus to interact with our students who are not only enriched with skills, knowledge, temperament and diverse field experience but have imbibed the values and morals of our institution. These will guide them to be valuable assets for your esteemed organizations where the work might range from minuscule to colossal, working in villages to becoming international citizens, working with people, working towards building a better environment, economy, education and a vast array of field while being humane.

Course Details

This two years (full-time) Master degree course is designed to provide high level of understanding in Bio-statistics and Demography including an in-depth knowledge of the linkages between statistics and various socio-economic, health and environmental factors. This course provides foundation to graduate students and prepare them to apply the concept of bio-statistics in various aspects related to population. Students are given knowledge on various aspects of Demography, Socio-Economics and Health for better knowledge on governance and policy making. The students of this course are provided with rigorous hands-on training on various statistical and analytical software such as STATA, R programming, SPSS, GIS, GeoDa, MORTPAK, Spectrum, and NVIVO. This Program requires successful completion of 21 main papers in the area of Biostatistics, Population Studies and Demography, optional papers and a dissertation. Students are also trained in Research Methodology, which involves the successful completion of a project involving fieldwork.

Course Structure

Core Subjects

- ✓ Introduction to Demography
- ✓ Demographic Methods I
- ✓ Introduction to Bio statistics & Epidemiology
- ✓ Demographic Methods II
- ✓ Epidemiological Methods
- ✓ Research Methodology
- ✓ Sampling Techniques in Health & Demographic Surveys
- ✓ Applied Multivariate Analysis
- ✓ Application of Statistical and Demographic Packages II
- ✓ Demographic Models and Indirect Methods of Estimation
- ✓ Survival Analysis
- ✓ Methods in Clinical Trials

Electives

- ✓ Healthcare System and Policies
- ✓ Basic concepts of Sociology, Psychology and Anthropology
- ✓ Historical Demography
- ✓ Spatial Demography
- ✓ Urbanization, Space and Planning
- ✓ Large-scale Sample Surveys
- ✓ Concepts and Measures of Global Health
- ✓ Population Ageing and Health Transition

- ✓ Gender, Health and Development
- ✓ Population and Sustainable Development
- ✓ Health Economics and Financing
- ✓ Operation Research
- ✓ Monitoring and Evaluation

Foundation

- ✓ Basics of Human Biology
- ✓ Application of Statistical and Demographic Packages I

WHY US?

✓ **DEMOGRAPHICAL SKILLS** The course structure and teaching methodology is mainly focused on modern Demographical and Population Sciences and Techniques. Students are well equipped with theoretical knowledge and empirical training. The emphasis on quantitative analysis enables students to develop better techniques for statistical analysis, inferential analysis, and other tools essential for effective decision making. The students are also equipped with qualitative research techniques and are enabled to monitor and evaluate policies and programs.

✓ **ANALYTICAL SKILLS** Students are competent to handle large scale datasets like Census, NFHS, NSSO, analyse them and deduce conclusive results. All students are trained to work in groups and deliver presentations within stipulated time.

✓ **STATISTICAL SOFTWARES** The profiles of the students are supplemented with professional training in software skills like R, STATA, SPSS, MORTPAK, GIS, and others.

Students' Profile

Name: Samriddhi Jain

E-mail: samriddhijain99@gmail.com

Contact no: 7409686561

Education: B.Sc.Statistics(Honours), CALCUTTA UNIVERSITY

Key skills: MS Office, STATA, SPSS, PYTHON, R,, Spectrum,, QGIS, GeoDa, Management, Large Data Handling.

Area of Interest: Research based Internship involving quantitative analysis of data in the fields of biostatistics and epidemiology, Health and Development, Research, Demography, public health and policies.

Name: Nikhil Sagar Kalbhor

E-mail: nkalbhor87@gmail.com

Contact no.: (+91) 9511738285

Education: B.Sc.(Statistics), SPPU, Pune.

Key skills: Statistics, Data Analytics, Big Data Handling, MySQL, MS-Office, R-Programming, Python, SPSS, STATA, POWER-BI, SPECTRUM.

Area of Interest: Pharmaceutical Data Analysis, Bio-statistics, Epidemiology, Clinical trials, Statistical Analysis, Survival and Risk Analysis.

Name: Tanishq Jitendra Jagtap

E-mail: jagtaptanishq76@gmail.com

Contact no.: (+91) 8421187688

Education: B.Sc.(Statistics), SPPU, Pune.

Key skills: Statistics, Data Analytics, Big Data Handling, MySQL, MS-Office, R-Programming, Python, STATA, POWER-BI, SPECTRUM.

Area of Interest: Data Analytics, Bio-statistics, Epidemiology, Clinical trials, Statistical Analysis

Name: Mohammad Shoaib

E-mail: shoaibwarsi730@gmail.com

Contact no.: 8081049508

Education: BSc Statistics, AMU

Key skills: R , Python Programming, Communication skills

Area of Interest: Data Analyst, Data Science, Statistics.

Name: Prasad Asaram Pandhare

E-mail: rutikpandhare2000@gmail.com

Contact no.: (+91) 8149121475

Education: B.Sc.(Statistics), SPPU, Pune.

Key skills: Data Analytics, R-Programming, Python, Ms-Office, SPSS, STATA, SQL, POWER-BI, SPECTRUM, Big Data Handling.

Area of Interest: Pharmaceutical Data Analysis, Bio-statistics, Epidemiology, Statistical Analysis, Clinical trials, Survival & Risk Analysis.

Name: Nizatoli Tsuqu

E-mail: nizatolikihoswu@gmail.com

Contact no.: 6009238785

Education: Bsc. Statistics

Key skills: Keen observation, statistical packages: STATA, SPSS, Spreadsheet, Programming languages: C++, SQL, Slide presentation, writing and communication skills

Area of Interest: Data interpretation and analysis in Public health and Epidemiological research study : NCDs, ageing, RCH.

Name: Arundhathy K

E-mail: arundhathy179@gmail.com

Contact no.: 8078462359

Education: Bsc Mathematics

Key skills: Stata / spss / c programming/ Excel /spectrum/ms office/ QGIS/ GeoDA.

Area of Interest: Public Health/ Epidemiology/Demography/Child health/Reproductive health/ageing.

Name: Himanshu Jaiswal

E-mail: himanshuiips369@gmail.com

Contact no.: 8873707175

Education: B.Sc. Statistics

Key skills: MS-Excel, MS Office, Stata, SPSS, R, QGIS, GeoDa.

Area of Interest: Pharmaceutical, Population Development, Private sector, Public health, Survey Analytics, Gender Issue.

Name: Kaustav Chakraborty

E-mail: chakrabortykaustav07@gmail.com

Contact no.: 6295999184

Education: B.Sc. Statistics Hons

Key skills: SPSS, STATA, R, Spectrum, Microsoft Office (MS-Excel)

Area of Interest: Data analytics, Bio-statistics, Epidemiology, Demography, Gender studies, Public health.

Name: Sarbani Thakur

E-mail: sarbanithakur2019@gmail.com

Contact no.: 8637348694

Education: BSc. Statistics(Hons.)

Key skills: MS-Excel, STATA, SPSS, R, SQL, SPECTRUM, MS-Office, TORA software, Data Analysis

Area of Interest: Research based Internship involving quantitative analysis of data in the fields of biostatistics and epidemiology, development, public health and policies.

Name: Nikunj kumar
E-mail: nikunj कुमार258@gmail.com
Contact no.: 7055651874
Education: B.Sc Honors Statistical
Key skills: R STATA SPSS Spectrum Excel Word
Area of Interest: Biostatistics, Epidemiology, Public Health.

Name: Shambhavi Pandey
E-mail: pandeys1919@gmail.com
Contact no.: 6387507013
Education: B. Sc. Statistics
Key skills: SPSS, STATA, SPECTRUM, Python, MS-Excel, MS-Office, QGIS, GeoDa.
Area of Interest: Biostatistics, Data analysis, Public health, Epidemiology, Child health

Name: Alisha
E-mail: gupta.alisha8877@gmail.com
Contact no.: 9608053778
Education: BSc. Statistics(Hons.)
Key skills: STATA, SPSS, R, Python, MS-Excel, MS-Office, SPECTRUM, QGIS, GeoDa, C, C++, SQL
Area of Interest: Population and Sustainable Development, Public health, Gender issues, Child and Reproductive Health, Aging of population, Epidemiology, Survey and Data Analytics.

Name: Rayhan Rahman
E-mail: rayhanrahman7719@gmail.com
Contact no.: 7719111077, 8265911947
Education: Bsc Hons statistics and operations research
Key skills: Python ,R , advance excel ,STATA, SPSS , GeoDa, QGIS
Area of Interest: Population Development, Public Health, Data science ,Data analyst.

Name: Kavi Bharathi. P
E-mail: kavibharathi149@gmail.com
Contact no.: 9500841439
Education: Statistics
Key skills: Good Communication Skill in English; Technical Skills in handling Software packages like SPSS, STATA, EXCEL
Area of Interest: Statistical Analysis in Demography and Epidemiology.

Name: Gokul Satish
E-mail: gokulsatish1111@gmail.com
Contact no.: 9140714936
Education: Statistics
Key skills: Proefecient in Statistical analysis using R, SPSS, STATA. decent command in Mortpak, Spectrum, ArcGIS, LaTeX.

Area of Interest: Population ageing, Child marriage and Domestic violence.

Name: Nasir Mamoon

E-mail: nasirmamoon123@gmail.com

Contact no.: 9528461330

Education: BSc Statistics (hons)

Key skills: STATA, SPSS, Python, MS Excel, MS Office, QGIS, GoeDa, R, Python, SQL

Area of Interest: Population and Sustainable Development, Data Analysis, Statistics, Epidemiology, Public health, Biostatistics.

Name: Ankush Basumatary

E-mail: ankushbasumatary123@gmail.com

Contact no.: 7637975210

Education: Statistics

Key skills: SPSS, STATA, MS Excel, MS Office, QGIS, GeoDa.

Area of Interest: Epidemiology.

Name: Shruti Mishra

E-mail: shrutimishra244@gmail.com

Contact no.: 8840605333

Education: BSc- Mathematics, Statistics

Key skills: Leadership Experience Public Speaking- Debates, Extempores Content Writing Communication Teamwork Microsoft Office Data Analysis Statistical Softwares: SPSS, Stata, Spectrum Programming languages: C, C++, R

Area of Interest: Gender issues Public Health Biostatistics Data Analysis.

Name: Rahul Yadav

E-mail: rahulyadavbu05@gmail.com

Contact no.: 9599266860

Education: BA (Hons) statistics

Key skills: SPSS, STATA ,Statistics, Big data handling

Area of Interest: Pharmaceutical data analytics, Epidemiology, Biostatistics.

Name: Ipsita Mali

E-mail: ipsitadew103@gmail.com

Contact no.: 9836353234

Education: B.Sc. (Hons.) Statistics

Key skills: Programming languages (R, C), Softwares (RStudio, Dev-C++, SPSS, STATA, Minitab, Spectrum, MS Excel, MS PowerPoint, MS Word), Problem solving

Area of Interest: Quantitative analysis, Public Health, Biostatistics, Epidemiology.

Name: Goutham K Pradeep

E-mail: goutham238@gmail.com

Contact no.: 9562590893

Education: BSc Mathematics

Key skills: Analytical and technical skill
Area of Interest: Epidemiology, Demography.

Name: Rohit Yadav
E-mail: rohityadavbu05@gmail.com
Contact no.: 8800968747
Education: BA(HONS) STATISTICS
Key skills: Statistics, Data Analytics, SPSS, STATA, MS OFFICE
Area of Interest: Biostatistics, Epidemiology, Clinical trials, Statistical Analysis.

Name: Srijan Banerjee
E-mail: srijanb007@gmail.com
Contact no.: 9836225048
Education: B.Sc Statistics Hons
Key skills: Data analysis using R, Stata, SPSS, basics of linux
Area of Interest: Data analytics, Pharmaceutical analysis.

Name: senapati pratik
E-mail: dorapratik@gmail.com
Contact no.: 8895838430
Education: Bsc in statistics, Ravenshaw University
Key skills: statistics, SPSS, STATA, C++, R
Area of Interest: Data analysis, biostatistics, epidemiology , demography.

Name: Prodipta Mandal
E-mail: prmn778@gmail.com
Contact no.: 9088803778
Education: BSc Statistics Hons
Key skills: Data analysis with excel, R, SPSS, STATA
Area of Interest: Data analysis and problem solving, biostatistics and epidemiology.

Name: Shiv Raj Meghwal
E-mail: shivrajmeghwal1303@gmail.com
Contact no.: 7728935597
Education: Bsc Statistics from central university of Rajasthan
Key skills: MS Office, C, C++, SQL, STATA, SPSS
Area of Interest: Statistics, Data analysis, Sampling.

How to Reach us

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