
INDIAN STATISTICAL INSTITUTE

Placement Brochure



203, Barrackpore Trunk Road,

Kolkata – 700 108

West Bengal, India



PREFACE

This brochure provides relevant information about Indian Statistical Institute (ISI), Kolkata for prospective employers. It comprises of contacts of the Placement Committee members and representatives followed by messages from the Director and Dean, a brief introduction of the Institute, descriptions of various academic programmes, a summary of past recruitments, placement guidelines, etc.

The placement of ISI students is facilitated by the placement committee. On behalf of this committee, we would like to invite all prospective employers to visit the Kolkata campus to recruit students graduating in July 2015. Going by the latest trends in the placement of our students, it is indeed heartening to note that leading corporate giants have been visiting our Institute regularly with employment offers for outgoing students of our Masters-level academic programmes [M. Stat., M. Math., M.S. (QE), M. Tech. (CS) and M. Tech. (QROR)]. Our website (<http://www.isical.ac.in/~placement>) provides further details about course curriculum and other relevant information regarding placement opportunities.

Companies interested in campus recruitment are requested to send the ISI Campus Recruitment Form (preferably with relevant company literature), duly filled-in, by email/fax/courier/post to the Convener of the Placement Committee. Dates for campus interviews are fixed on a first-come, first-served basis. It may be mentioned here that the Institute does not charge any placement fee. We also do not permit placement consultants or third-party recruiters to conduct campus interviews. We look forward to formal feedbacks in the prescribed form, from companies after their campus recruitment, as inputs for review of our academic and placement policies.

We do hope that this placement brochure will be useful to employers visiting the Institute. Any suggestion for improving the brochure is most welcome.

Pinakpani Pal
Convener, Placement Committee

Pradita Bandyopadhyay
Dean of Studies

DIRECTOR'S MESSAGE



The Indian Statistical Institute has a long and proud tradition of excellence in training, teaching and research in a number of academic disciplines. The Institute completed its Platinum Jubilee Celebration in 2006 and has completed its one year Golden Jubilee Celebration of the degree courses in 2010. Its alumni have made outstanding contributions to academia, governance and industry, and it is my firm conviction that newer generations of alumni will continue to do so in years to come.

As in previous years, this brochure is being published to showcase our academic programs and provide relevant information to prospective employers. I am sure that the HRD people of leading Commercial and Industrial Organization will continue to conduct on-campus recruitment with greater vigor, making offers of bright, productive future (with them) to our outgoing students every year.

Bimal K. Roy
Director, ISI Kolkata.

MESSAGE FROM THE DEAN OF STUDIES



This is the institute that PCM built!

The Indian Statistical Institute (ISI) was founded in 1931 by Professor Prasanta Chandra Mahalanobis (fondly called PCM). From its humble beginning in a small Statistical Laboratory in the Presidency College, Kolkata, the Institute has undergone a phenomenal growth and is now widely regarded as one of the leading institutions in the world as a centre for research and training in Statistics and related sciences.

These are the courses that are taught in the institute that PCM built!

The Indian Statistical Institute Act of 1959, and its 1995 amendment, declared ISI as an Institution of National Importance and empowered ISI to grant degrees and diplomas in Statistics, Mathematics, Quantitative Economics, Computer Science and QR & OR.

The flagship programmes of ISI, the B Stat (Hons) and M Stat, started in 1960. The 50th B Stat batch is in the final year of M Stat this year. The M Tech (CS) started in 1981. And after 1995, the institute introduced several other degree programmes: MS(QE), B Math (Hons), M Math, M Tech (QR&OR) and MS(LIS). These are taught across our campuses in Kolkata as well as the four centres at Delhi, Bangalore, Chennai and Tezpur.

These are the students that pass out of the courses that are taught in the institute that PCM built!

A sizeable proportion of the students passing out of the Institute go on to building remarkably successful career in research and academics. But simultaneously, the students of the Institute who have gone into industry have also been extremely successful. A number of top and well-accomplished leaders in the industry are also ISI alumni.

These are the companies that recruit the students that pass out of the courses that are taught in the institute that PCM built!

And that means you! For many years now, the Institute has been running a very proactive on-campus placement programme. Under the supervision of a faculty member, this programme has been very successful in providing the aspiring final year students excellent placement opportunities in some of the leading organisations in various sectors of the industry. Now it's your turn!

Be there! If you have been here before, you know what to expect! And if this is your first time, come and see what ISI is all about. I assure you, you will not be disappointed!

~Pradipta Bandyopadhyay

Dean of Studies



CHAIRPERSON'S MESSAGE

It is my proud privilege to invite leading organizations in the corporate and industrial sectors of India to engage in discussions with the Placement Cell of the Indian Statistical Institute (ISI) for recruitment of graduating students of our Masters programmes in Statistics (M. Stat.), Mathematics (M. Math.), Quantitative Economics [M.S. (QE)], Computer Science [M. Tech. (CS)] and Quality, Reliability and Operations Research [M. Tech. (QROR)].

Excellence in teaching, training and research are the hallmarks of ISI. The level and modalities of teaching in ISI inculcate an analytical frame of mind and prepare them well with computational and other skills required for solving real world problems.

Organizations that have recruited our graduates in the past have been highly satisfied. I can assure that good quality is guaranteed! Please give our graduating students a chance.

Amita Majumder

Chairperson, Placement Committee

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INTRODUCTION

The Indian Statistical Institute (ISI), founded by late Professor P. C. Mahalanobis in 1931, owes its origin to the statistical studies and research initiated by him in the Statistical Laboratory set up in Presidency College, Kolkata. The Institute was registered as a learned society under the Societies Registration Act in 1932. Later in 1959, the Parliament of India enacted the Indian Statistical Institute Act, 1959, declaring the Institute to be an Institution of National Importance and empowering it to confer degrees and diplomas In Statistics. The Indian Statistical Institute Act was amended in 1995 empowering it to grant degrees and diplomas in Statistics, Mathematics, Quantitative Economics, Computer Science and such other subjects related to Statistics. ISI has made some noteworthy contributions towards development of the nation. Formation of NSSO on the basis of the proposal from P.C. Mahalanobis was an important contribution to that extent. Also the second 5 year plan was chalked out at ISI under the guidance of Prof. Mahalanobis.

The Institute has all along been playing a pioneering role in theoretical and applied research, teaching and training, in the fields of Statistics, Mathematics, Economics, Computer Science, Quality

Control, Reliability, Operations Research and other disciplines. It has made significant contributions to (a) statistical, social and economic planning of the government of India, (b) knowledge regarding statistical quality control and quantitative management techniques for industry, and (c) research and development in theoretical and applied Computer Science.

In keeping with its pursuit of excellence in research, the Institute has designed several courses of study to train selected students in appropriate fields. ISI has been recognized as one of the pioneering institutes of this country to introduce degree programmes in respective fields. These programmes have always attracted some of the best talents of the country who have proved their worth in various organizations and educational institutions both in India and abroad. ISI has its head office at Kolkata with centres at New Delhi and Bangalore, where regular degree courses and research work in various disciplines are conducted. In addition, there are several Statistical Quality Control and Operations Research (SQC & OR) Units situated in other cities of the country. ISI regularly takes up large projects funded by public sector undertakings, defence, private sector enterprises, MNCs, the UN and its specialized agencies, Overseas

Development Corporations (ODC), UK, Ford Foundation and other national and international bodies. Apart from these, software development assignments related to research problems from government bodies and industries are taken up regularly. The training environment at ISI is designed to impart an optimal combination of advanced theoretical knowledge and practical applications. The students actively participate in the ongoing projects and

are exposed to real-life problems. The curriculum includes project work which consists of either solving real-life problems or developing theoretical tools for a class of problems. Students undergo internship with reputed industries and research institutes. The institute is in constant touch with other leading institutions in the world through the exchange of visiting faculties. This contact helps maintain a high standard of the training programmes.

DURATIONS & VENUES OF VARIOUS PROGRAMMES

Program	Duration	Venue
Bachelor of Statistics (Hons.)	3 years	Kolkata
Bachelor of Mathematics (Hons.)	3 years	Bangalore
Master of Statistics	2 years	Kolkata, Delhi, Chennai
Master of Mathematics	2 years	Kolkata
Master of Quantitative Economics	2 years	Kolkata
M.Tech in Computer Science	2 years	Kolkata
M.Tech in Quality, Reliability and Operations Research	2 years	Kolkata
Post Graduate Diploma in Statistical Methods	1 year	Tezpur (Assam)
Doctor of Philosophy	-	

PLACEMENT COMMITTEE

Amita Majumder (Chairperson)

+91 (33) 2575-2610

Pinakpani Pal (Convener)

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Anup Dewanji

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CONTACT

Placement Committee

Indian Statistical Institute

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West Bengal, India

Email : plccom@isical.ac.in

Phone : +9133-2575-2503 (placement office)

Fax : +9133-2577-6037, +9133-2575-2914 (mark subject: Placement)

STUDENT REPRESENTATIVES

1. Master of Statistics (M.Stat.):

i) Sandipan Chattopadhyay

Contact: +91-9051504998

ii) Debarya Dutta

Contact: +91-8981623554

2. Master of Technology, Quality, Reliability & Operations Research (M.Tech – QROR):

i) Rahul Pandey

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ii) Mainak Roy

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iii) Arnab Jana

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3. Master of Technology, Computer Science (M.Tech – CS):

i) Chirag Gupta

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ii) Arkadeep Banerjee

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4. Master of Science, Quantitative Economics (MS – QE):

i) Aahita Paul

Contact: +91-9874915117

MASTER OF STATISTICS

Introduction

The M.Stat programme of ISI is viewed as arguably the best postgraduate degree programme in Statistics in the world. This view is justified by the fact that people with an M. Stat. background have been accredited with a large percentage of the sophistication that Statistics has seen in the past few decades. The factors contributing to this legacy are the quality of the students and teachers alike and the rigorous and in-depth course structure with its unique out-of-the-box flavour.

Programme Description

The M. Stat. programme is specifically designed to address both theoretical and practical issues and has the flexibility to evolve and change in response to new requirements.

Admission

The M. Stat. programme is run through two parallel streams viz. the B-stream and the NB- stream. Graduates of our B. Stat. course are offered direct admission to the B-stream while graduates in statistics and mathematics from all over India are enrolled into the NB-stream are selected after a rigorous entrance procedure - a two tier subjective and objective assessment examination and a viva-voce thereafter.

Our Strengths

The programme has a strong component of statistical computing and data analysis using R, MatLab, SPSS and SAS packages. The students are regularly given assignments where these packages need to be used.

Course Structure

Subjects covered in first two semesters of this course are –

- Regression Techniques
- Time Series Analysis and Forecasting
- Sample Surveys & Design of Experiments
- Multivariate Analysis
- Applied Stochastic Processes
- Optimization Techniques
- Decision Theory
- Measure Theoretic Probability
- Large Sample Statistical Methods.

The final year students are required to opt for specialization in one of several branches of statistics as per his/her domain of interest.

A detailed programme description is available at:

M.Stat:

<http://www.isical.ac.in/~deanweb/MSTATBROCHURE2009.pdf>

B.Stat:

<http://www.isical.ac.in/~deanweb/brochure/bs tat2010.pdf>

Students

The success rate in the ISI admission process is *1 out of 150, in comparison to 2% for the IITs and IIMs*, and an even lower success rate of B. Stat. (Hons.) admission test, where a meager number of around 50 are selected compared to thousands in case of IITs .

Even the selected students undergo rigorous training and course-work, under the best tutors in the field, and only those who keep to the standards survive the entire course.

Students being awarded the best national scholarships like KVPY, NBHM, NTSE, INSPIRE and having won reputed national

and international level Olympiads testify their highest levels of excellence.

Students of M. Stat. undergo a *special training for ISS personnel at C.S.O, New Delhi, followed by a project under various ministries of Govt. of India.*

Students of *Actuarial specialization* gets automatic exemptions in 6 of the first 9 actuarial CT papers.

Students are very conversant in using programming languages like C,C++, statistical packages like R, MATLAB, SPSS & SAS and database management systems like SQL.

Current Batch Strength

61 students (46 male/15 female)

MASTER OF SCIENCE IN QUANTITATIVE ECONOMICS

Introduction

The Indian Statistical Institute pioneered research, training and application of Quantitative Economics in India for a long time. The MS (QE) programme, from its very inception, came up as one of the very best of its kind in the country and compared favorably with that of any top ranking university in the world. The popularity of the programme is partially reflected by the fact that students getting admission offers to MS (QE) as well as to other premier economics departments in the country have almost always revealed their preferences for MS (QE) over the others.

Programme Description

The MS (QE) programme aims to give the students not only a thorough exposure to economics and econometrics, but equips them with rigorous mathematical and statistical techniques that can be used as tools in the industry. The course emphasizes theoretical as well as empirical aspects of the subjects. Classroom teachings and traditional methods of evaluation are supplemented by assignments and take home projects; for which the students learn to use statistical analysis software such as EViews, STATA, SPSS etc.

Course Structure:

The programme offers 20 courses - five per semester. A few courses are listed below:

- Econometrics
- Advanced Econometrics
- Time Series Analysis & Forecasting
- Mathematical Finance
- Game Theory
- Industrial Organization

- International Trade
- Macroeconomics & Microeconomics
- Development Economics
- Linear Algebra & Real Analysis

Our strengths:

- Adaptable & innovative
- Good background in practical problem solving
- Market knowledge
- Good communication skills

The course emphasizes theoretical as well as empirical aspects of the subjects. Classroom teachings and traditional methods of evaluation are supplemented by assignments and take home projects. Majority of the students opt for challenging corporate jobs in India and abroad. Some students after successfully completing the MS (QE) programme have joined the top economics departments of the world including Harvard, Princeton, Yale, Northwestern, Boston, Rochester and Cornell, to pursue their Ph.D. degrees.

A detailed programme description is available at

<http://www.isical.ac.in/~deanweb/msqebrochure2003.pdf>

Students:

- The best students in the country are chosen for this programme based on extremely rigorous entrance exam followed by personal interviews.
- The programme has gained immense popularity even among working

professionals from the industry who intend to take up higher course in economics.

- Students come from diverse backgrounds ranging from Economics, Mathematics, Statistics and Physics to even engineering graduates.
- Students also undergo internships in the corporate sector during their summer break.

Current batch strength:

- 9 students (4 male/5 female)

MASTER OF TECHNOLOGY IN COMPUTER SCIENCE

Introduction

The Indian Statistical Institute has a long history of the use of computers dating back to the early fifties. The first electronic computer in Asia, a HEC-2N, was installed in the institute in 1956. One of the foremost formal courses for Computer Science started in the institute in 1962. By 1981, the institute started offering an M. Tech. course in Computer Science. Today this course admits students through GATE along with the very competitive ISI entrance examination. This includes an eclectic mix of students from various backgrounds where few already have experience of working in the current industry for a period.

Over the years the institute has attained the reputation of being a centre for cutting edge research in the fields of Soft computing, Image Processing, Pattern Recognition, Machine Learning, Information Retrieval, Handwriting recognition, Cryptography, VLSI, Nano-computing, Algorithms and Computational Geometry. The institute has an enviable group of around forty outstanding faculty members in the field of Computer Science. Faculty members of the institute have won several laurels like Padma Shri, Shri Shanti Swarup Bhatnagar and fellowship of several international bodies like IEEE and national bodies like NASI, INAE, INSA, etc. No wonder the institute attracts some of the best students in the country.

Course Structure

The course admits students with B.E., B. Tech. and, M.Sc. in Mathematics and Statistics. This course is designed to provide a strong foundation in computer science and lend a deep insight into advanced topics, so that students, on completion of the course, may take up either a professional career in Software Engineering, Technology or an academic career for further study and research in the fundamental and applied aspects of Computer Science and related disciplines.

First year of the course focuses on fundamentals with research motivation and second year includes all advanced courses in various fields. In the second

year, students primarily focus on dissertation work generally leading to journal publications every year. This instructive curriculum develops research orientation in the students and motivates them for implementation of those in the real world applications. A list of some core and elective subjects as follows:

- Design & Analysis of Algorithms
- Automata Languages and Computation
- Probability & Stochastic Processes
- Computer Architecture
- Computer Networks
- Compiler Construction
- Software Design and Validation

- Advanced Operating Systems
- Advanced Cryptography
- Pattern Recognition & Image Processing
- Artificial Intelligence
- Computational Geometry
- Information Retrieval
- Mobile Computing
- Computational Finance
- VLSI Design and Algorithms
- VLSI Test and Fault Tolerance Computing
- Parallel Processing
- Distributed Computing Systems

A detailed program description is available at

<http://www.isical.ac.in/~deanweb/MTECHCSNEWSYLL2012.pdf>

Our Strength

- Strong foundation in Algorithms and Data Structures.
- Programming skills: Proficient in C, C++, Python, Java (on both UNIX/LINUX and

WINDOWS platforms), SQL and Shell Programming.

- Research oriented approach for Machine Learning, Pattern Recognition, Image Processing, Distributed Computing, Cryptography, Computational Geometry etc.

Summer Internship

In order to provide the students a good exposure to the current trends, they are sent to all leading R&D and Technology industries (like Xerox, IBM-RL, Microsoft, Synopsys, AMD, TRDDC, Infosys Lab) and Research Institutes for Summer Internship (of about 8 to 12 week's duration) just after the end of the first year. Quite often, the students getting trained in an Industry environment pursue their year-long dissertation work in the same direction, on a real-life problem.

Current Batch Strength

25 students (21 male/4 female)

MASTER OF TECHNOLOGY IN QUALITY RELIABILITY & OPERATIONS RESEARCH

Introduction

M.Tech in Quality, Reliability & Operations Research, a two year full time academic programme, the first of its kind in the country was introduced in Indian Statistical Institute in 1989. The program is intended to develop statistical analysts with adequate theoretical exposure in Statistical and Mathematical Modeling, Operations Research, Optimization, Business and Financial analysis, Database Management system, Statistical Quality Control & Reliability.

Students pursuing this course are either Masters in Statistics or Engineering graduates.

Course Structure

The course is divided into 4 semesters with following as major subjects:

- Probability Theory and Stochastic Processes
- Statistical Methods and Regression techniques
- Applied Multivariate Analysis
- Design of Experiments
- Statistical Quality Control
- Operation Research & Optimization
- Reliability theory and Life testing
- Programming, Data Structures & DBMS
- Quality Management Systems
- Industrial Engineering & Financial Management
- Industrial Engineering & Financial Management

A detailed program description is available at:

<http://www.isical.ac.in/~deanweb/brochure/qror2010.pdf>

Our Strengths

- Statistical/Quantitative Modeling & Data analytics
- Optimization/Simulation Techniques
- Quality Improvement Techniques like TQM, Six Sigma, ISO Standards.
- Statistical software packages.

Internships

In order to keep pace with the work in industries, the students undertake industrial projects and dissertation to solve real life problems in practice. With the intent to work in practical field based on latest statistical/optimization tools, the students undergo industrial/summer training to carry out real-life projects during the course, first one after the completion of second semester for a duration of two and a half months (May to July) and the last one during the fourth semester (March to July) along with dissertation subject

to innovation in various Industrial domain.

Scope

As the course is designed to implement the statistical theories to handle the real life problems, majority of the students wish to opt for challenging corporate jobs in India and abroad. The past trend of recruitment reflects that many of the students have joined in banking, insurance, analytics, manufacturing, software sectors and some of them are in Premier Indian and overseas institutions to pursue their research.

Current Batch Strength

· 17 students (16 male/1 female)

MASTER OF MATHEMATICS

Introduction

The Institute has a 3-year Bachelor of Mathematics programme, B. Math. (Hons.), offered at its Bangalore centre. The B. Math., analogous to its older counterpart the B.Stat. in Statistics, aims to give comprehensive and all-round education in Mathematics at the bachelor level and M.Math. is its follow up Master's programme which is given at Bangalore and in Kolkata in alternate years. Apart from the B.Math. graduates of the Institute, the M.Math. programme allows lateral entry of good Mathematics graduates who have special proficiency in several basic areas of Mathematics (especially in abstract and linear algebra, and real analysis) to match with the level of sophistication of the programme. The programme aims to provide students with a high level of preparation in modern Mathematics to take up research careers in Pure Mathematics, Application of Mathematics and Theoretical Computer Science etc. or to enter any professional field involving sophisticated mathematics.

Programme Description

The programme comprises coursework in the core areas of Analysis, Algebra, Topology and Geometry reaching a level of sophistication that permit the students to go into any area of Mathematics and Applied Mathematics. Apart from the core courses, there are a number of advanced topic courses which acquaint the students with contemporary developments in the subjects. Courses like Probability Theory, Stochastic Processes, Graph Theory and Combinatorics, Automata Theory familiarise students with diverse and most successful tools in modern day application of Mathematics. A strong background in Algebra and Analysis, helps them get a firm grasp on advanced courses like Measure Theory, Partial Differential

Equations and Differential Geometry etc. An M. Math. student acquires a strong and wide base in diverse branches of Mathematics at an early stage, and thereby equip himself/herself to make contributions in the frontiers of Mathematical research and applications.

Scope

A student who successfully completes the programme with his/her exposure to a wide variety of mathematical ideas and mastery of difficult concepts and techniques, will have an intellectual maturity and resourcefulness that should make him/her an asset in any profession that call for mathematical expertise.

Current batch strength

· 12 students (11 male/1 female)

POST GRADUATE DIPLOMA IN STATISTICAL METHODS AND ANALYSIS (ISI TEZPUR)

Introduction

The Indian Statistical Institute has introduced a new one-year full time Post Graduate Diploma programme at its North-East Centre, located at Tezpur, Assam. The curriculum is developed keeping in mind the requirements of analytical professionals.

Course Structure

The programme offers 10 courses in two semesters, including an one-course project in Semester II. Apart from the fundamental courses like Calculus, Linear Algebra and Probability, the major subjects covered are

- Computer Intensive Statistical Methods
- Regression Analysis
- Time Series Analysis
- Statistical Machine Learning
- Statistical Finance
- Actuarial Statistics
- Clinical Trials
- Optimization

A detailed programme description is available at

[http://www.isine.ac.in/admission13_14/
/ brochure13-14.pdf](http://www.isine.ac.in/admission13_14/brochure13-14.pdf)

Our Strengths:

The programme has a strong component of statistical computing and data analysis using R and SAS packages. The one-course project is on large data handling and extends through summer.

Our Scope:

The course focuses on the empirical aspects of Statistical Methods and is intended to provide students with a comprehensive training of tools and techniques required for a job in analytics. On successful completion, the students will be able to take up corporate and government jobs requiring applications of statistical methodologies.

Students

The students have Mathematics background with a minimum bachelor's degree in Mathematics/Statistics/Economics. The selection is based on a written test and personal interview.

The programme is exclusively for the domiciled students of the North-East states.

Current batch strength

· 10 students (6 male/4 female)

Contact Person:

S. M. Bendre

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Tezpur University, Assam 784028.

DOCTOR OF PHILOSOPHY

Introduction

The primary focus of this Institute is research. It has a Doctor of Philosophy programme, Ph.D., offered at its Bangalore, Delhi and Kolkata centres. This degree is awarded for original research contributions in any one of the following five disciplines: (i) Statistics, (ii) Mathematics, (iii) Quality Reliability & Operations Research (QROR), (iv) Computer Science, and (v) Quantitative Economics. For other disciplines like Biological Anthropology, Physics and Applied Mathematics, Agriculture & Ecology, Sociology, Human Genetics, Psychology, Demography and Library & Information Science, doctoral research is carried out in the institute but the degree is awarded from another reputed university. The programme aims to provide students with a high level of research acumen to take up research careers in either academics or industry and continue to contribute in any professional field involving analytical methodology.

Major Areas in Different Disciplines

The broad areas in each discipline are as follows:

Statistics:

- ☐ Biostatistics
- ☐ Design of Experiments
- ☐ Dependency Models
- ☐ Exploratory Data Analysis
- ☐ Multivariate Data Analysis
- ☐ Reliability Models, Survival Data Analysis
- ☐ Sample Surveys and Design
- ☐ Simulation and Study of Systems
- ☐ Statistical Inference - Classical and Bayesian
- ☐ Time Series and Forecasting

Mathematics:

- ☐ Algebra
- ☐ Algebraic Number Theory
- ☐ Geometry and Topology
- ☐ Mathematical Finance
- ☐ Mathematical Logic
- ☐ Probability Theory, Stochastic Processes

- ☐ Set Theory and Descriptive Set Theory

Quality, Reliability & Operations Research

- ☐ Business Analytics
- ☐ Game Theory and Strategy Development
- ☐ Measurement Systems for Product and Managerial Control
- ☐ Optimization
- ☐ Six Sigma, Lean Six Sigma
- ☐ Software Quality Measurement, Improvement and Control
- ☐ Statistical Process Control
- ☐ System and Product Reliability

Computer Science:

- ☐ Bioinformatics, Computational Biology
- ☐ Computational Geometry and Graph Algorithms
- ☐ Computer Networks, Sensor Networks, Mobile Computing

- ❑ Cryptology, Information and Coding Theory
- ❑ Data and Text Mining, Web Intelligence
- ❑ Digital Document Processing
- ❑ Image and Video Processing
- ❑ Information Retrieval
- ❑ Natural Language Processing
- ❑ Nanotechnology, Nano-biosystems, Biochips
- ❑ Parallel and Distributed Systems
- ❑ Pattern Recognition, Machine Learning and Soft Computing
- ❑ Simulation and Modeling in Neurosciences

- ❑ Speech and Signal Processing
- ❑ VLSI Design and Testing

Economics:

- ❑ Development and Welfare Economics
- ❑ Environmental Economics
- ❑ Financial Econometrics
- ❑ Game Theory
- ❑ Growth Theory
- ❑ International Trade
- ❑ Macroeconomics
- ❑ Poverty and Inequality
- ❑ Public Economics
- ❑ Time Series Econometrics

Scope

A student who successfully completes the programme with his/her exposure to state-of-the art in world-wide research in the concerned field, has an intellectual maturity and resourcefulness that should make him/her an asset in any profession that call for expertise in the relevant discipline.

Based on your requirements, get in touch with the Placement Convener who in turn will guide you to the concerned student and department.

PLACEMENT CALENDER

The various slots available for placements this year are as follows:

1. Slot I [Base Salary > 11 lpa] - August 1, 2014 – September 15, 2014
2. Slot II [Base Salary > 8 lpa] - October 6, 2014 – October 31, 2014
3. Slot III [Base Salary < 8 lpa] - November 24, 2014 - Feb 27, 2015.

* Base salary is referred as fixed component of the salary distribution. Please mention this component and take home pay clearly in Campus Recruitment Form (CRF) at the time of campus Recruiting.

Some of the important dates this year are:

1. Last date for Joining Confirmation: March 2, 2015.
2. Completion of End-semester Exams for Final Semester: 30th May 2015
3. Completion of Back paper Exams: 1st July 2015
4. Publication of Results: 15th July 2015
5. Joining Date: On or after July 2015.

For Masters First Year Students (eligible for Summer Internships), joining dates for internships:

- | | |
|-------------------|--------------|
| • M. Stat.: | May 11, 2015 |
| • M.S.Q.E.: | May 11, 2015 |
| • M. Tech. (CS): | May 11, 2015 |
| • M. Tech (QROR): | May 11, 2015 |

Please note that the above dates give an approximate idea, the exact schedule may change. However, we will know the exact dates by January 2015.

Kindly contact the placement representatives of the respective courses for detailed information regarding this.

PLACEMENT GUIDELINES

Placement of ISI students is facilitated by the Placement Committee.

All correspondences in this regard should be made with the Placement Committee. Please email us at **plccom@isical.ac.in** CC to **plcoffice@isical.ac.in**

Students of the M. Math., M.S.(QE), M. Stat., M. Tech.(CS) and M. Tech.(QROR) courses, passing out in July/August 2015, are eligible for placement. Regarding placement of Ph. D. students, contact the Placement Committee separately.

The placement session for 2014-15 begins from 1st August 2014.

ISI does not charge any Placement Fee.

Campus Recruitment Procedure:

- Companies interested in conducting campus recruitment need to send the duly filled-in Campus Recruitment Form (ISI-CRF), preferably with relevant company literature, by email/fax/courier/post to the Convener, Placement Committee. This provides the primary basis of communicating the details of the positions offered to the students.
- Based on the feedback of the students and other institute activities, a mutually convenient date (*single day*) for the company visit is finalized by the Convener, Placement Committee. This booking is done on a *first-come first-serve* basis.
- Any specific requirement of the company (especially for briefing company profile to the students) has to be communicated to the Convener, Placement Committee at least one week in advance to avoid any inconvenience during their campus visit.
- 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 on the same day. *No further interview/test should take place outside the campus.*

- Detailed offer letter may be sent to the Convener, Placement Committee for distribution among the selected students. The Convener will coordinate in sending back letters of acceptance to the employer from students.
- Students will join the companies only after the completion of their respective courses.
- The date of joining should preferably be within one month from the official date of completion of the respective course.

Campus recruitment by placement consultants or third-party recruiters is not permitted.

Company delegates requiring ISI Guest House accommodation need to send an email stating this fact, to the Placement Committee (plccom@isical.ac.in), with a cc to plcoffice@isical.ac.in.

To know more about the placements at ISI and to get various forms, visit our website

<http://www.isical.ac.in/~placement>

RECENT RECRUITERS

ACTUARIES

Deloitte Consulting
E&Y
HDFC Standard Life
ICICI Lombard
KPMG
PwC
Royal Sundaram
General Insurance
Swiss Re Shared Services

FINANCE

BNP Paribas India
Solutions
Credit Suisse
DE Shaw
Gridstone Research
Goldman Sachs Services
JP Morgan
JP Morgan Chase & Co.
Letse
Morgan Stanley
Nomura
UBS Service Centre (CTS)

BANKING/CREDIT SCORING

American Express
ANZ Bank
Axis Bank
BACS
Barclays Bank
Barclays Shared Services
Citigroup

Deutsche Bank
HDFC Bank
HSBC Bank
ICICI Bank
WNS Global Services

SOFTWARES AND TECH.

Adobe
Google
Xerox Research
IBM India
Loud Cloud Systems
Microsoft
NVIDIA Graphics
Opera Solutions
Oracle
Polycom
Synopsis
Xilinx
Amazon
Yahoo
ARW
AMD
Qualcomm
Odessa Technologies

ANALYTICS

Blue Ocean Marketing
Intelligence
BridgeI2I
Caterpillar Inc.
Crisil
Educational Initiatives

FICO
Fractal Analytics
Genpact
Hewlett-Packard
JD Analytics
Mckinsey Knowledge
Center
Mu Sigma Business
Solutions
Opera Solutions
Sabre Holdings
SP Algo
TCS Analytics
Wipro Technologies

MARKET RESEARCH

IMRB
Idea Cellular
Onprocess Technology
Neilson Company

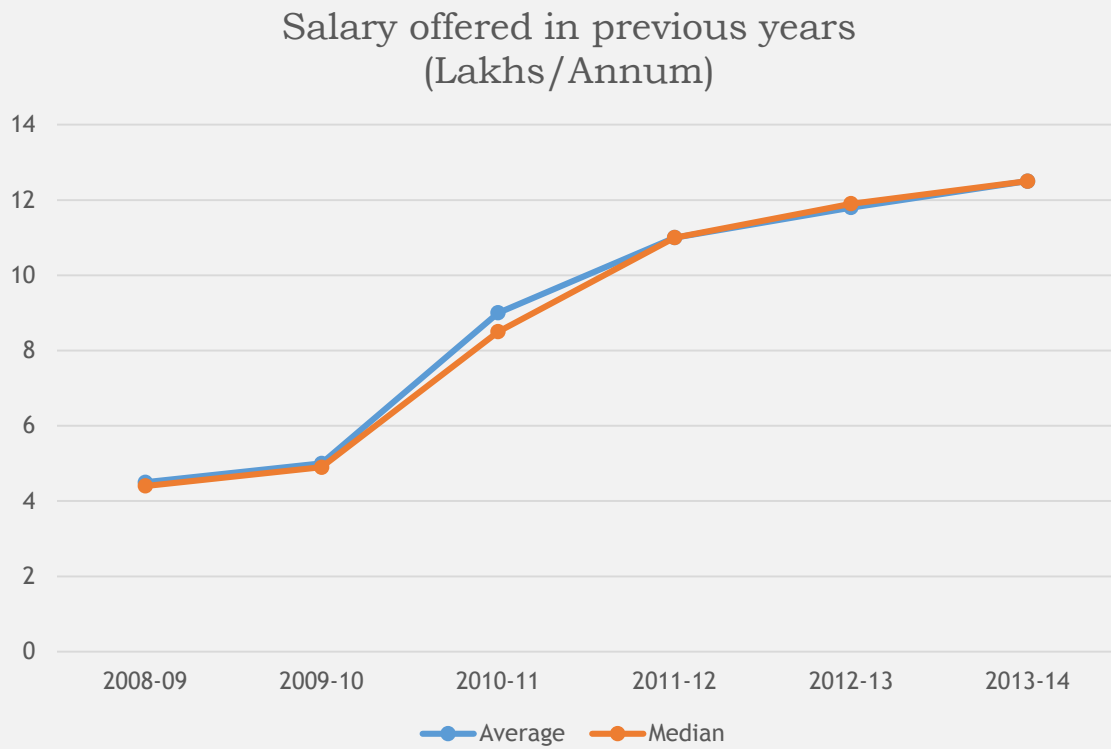
PHARMACEUTICALS

Novartis
Dr. Reddylabs

R&D

Ford
GE India
Indian School of Business
IBM IRL
Infosys Labs
TCS Innovations Labs

PAST STATISTICS



SUMMER INTERNSHIP

1st year students of different courses are available for internships during their summer break which generally starts (in mid-May) after completion of their 2nd semester examination and continues till their third semesters begins. The duration of the internship varies from course to course as follows.

Master of Science (Quantitative Economics)	:	7 weeks
Master of Statistics	:	7 weeks
Master of Technology (Computer Science)	:	12 weeks
Master of Technology (Quality Reliability & Operations Research)	:	12 weeks in 1 st Year & 20 weeks in 2 nd year.

NOTE: Please contact
Dr. Biswabrata Pradhan
Mobile No: +91-9748858984,
Email: bis@isical.ac.in
for intern recruitment in **M. Tech. QROR**.

Please note that we prefer telephonic interviews for summer training of ISI students.

For all courses except M. Tech (QROR) interested companies are requested to send the duly filled in [ISI-SIF](#) (available in doc & pdf format in the download section) by email / fax / courier to:

*Placement Committee
Indian Statistical Institute
203, Barrackpore Trunk Road,
Kolkata – 700108
West Bengal, India*

Email : plccom@isical.ac.in
Phone : 033-2575-2503 (placement office)
Fax : 033-2577-6037 (mark subject: Placement)

RECRUITERS WHO OFFERED INTERNSHIPS

Xerox
Microsoft
Goldman Sachs
Synopsis
IBM
AMD
TRDDC
Tata Innovation Lab
Hp

Deloitte
Infosys Lab
De shaw
Novartis
Innovacer
Acellere
Essex lake
Nuevora
Citi Bank

- Average pay offered to our students during their internship is ₹ 25,000-30,000 per month + Added benefits (Travel allowance, Accommodation and Food etc.).

INSTITUTES WHO OFFERED INTERNSHIPS

University at Buffalo, The State
University of New York

Rheinisch-Westfaelische Technische
Hochschule (RWTH), Aachen

Columbia University, New York.

Indian Institute of Sciences (IISc),
Banglore

Chennai Mathematical Institute,
Chennai.

Institute of Mathematical Sciences,
Chennai.

PLACEMENT AT OTHER CENTERS

ISI Chennai Centre

Dr. D. Sampangi Raman
Placement Convenor
Indian Statistical Institute
110 Nelson Manickam Road,
Aminjikarai
Chennai 600029
Phone: +91-9840107150
Email: dsampangi@hotmail.com



ISI Bangalore Centre

Dr. B. Sury,
Placment Committee,
Indian Statistical Institute,
8th Mile, Mysore Road
R.V. College Post
Bangalore 560059
Phone: (80) 2848-3002 | 3 | 4 Extn. 450
Email: plcconv@isibang.ac.in
URL: www.isibang.ac.in/~placement



ISI Delhi Centre

Prof. Debasis Mishra
(dmishra@isid.ac.in; +11-4149 3948)
Head, Placement Cell,
Indian Statistical Institute,
7, S.J.S. Sansanwal Marg,
New Delhi 110016
Any query related to placement,
can also be sent to:
placement@isid.ac.in

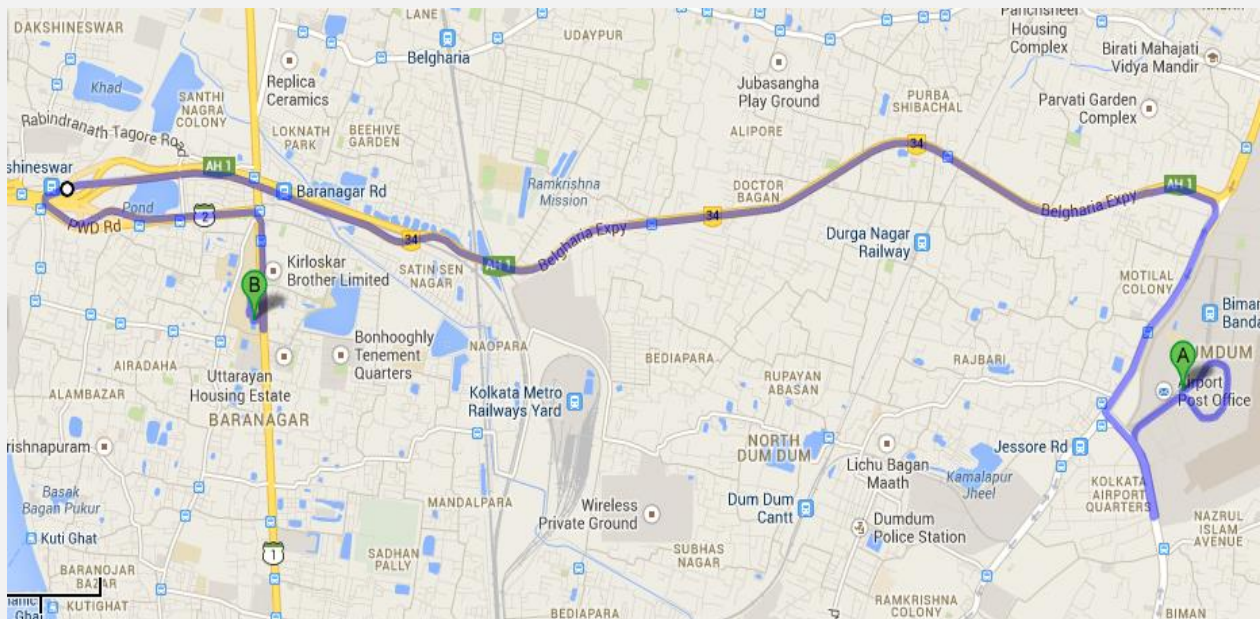


KNOW OUR CAMPUS



The Kolkata campus of the Indian Statistical Institute is located in a sprawling 30-acre estate on the Barrackpore Trunk Road (BT Road) in the Baranagar suburb of Greater Kolkata. It consists of two approximately equal parts - the office complex and the residential complex, separated by a public road. This road (Girish C. Ghosh Street) connects BT Road with Gopal Lal Tagore Road, a road that runs along the western boundary of the main campus. The office complex bears door number 203, and the residential complex, 205.

DIRECTIONS FROM THE AIRPORT



If you are coming from airport, take Belgharia Expressway from Jessore Road (approaching north) and take exit at Dakshineswar (before the Expressway merges to Nivedita Bridge over Ganges). As you take exit from Belgharia Expressway, take PWD Road towards Dunlop Bridge (Dunlop Bridge is in the East from Dakshineswar). Take right turn at the Dunlop Bridge at PWD Road - BT Road crossing and after about 500 meters on the BT Road, you can see the institute campus on your right.

Note: Our campus is not near Barrackpore, it is actually near Dunlop/Baranagar/Bonhooghly locality.

