

POST GRADUATE DIPLOMA IN BUSINESS ANALYTICS (PGDBA)



Statistics | Computer Science | Business

ABOUT THE PROGRAMME

Post Graduate Diploma in Business Analytics is a full time residential program jointly offered by ISI Kolkata, IIT Kharagpur and IIM Calcutta.

The course is designed to create Data Scientists with exceptional skills in Statistics, Computer Science and Management - the 3 pillars of Analytics and Data Science. Students are taught by leading academicians in India on Statistics, Computer Science and Management and tutored by practitioners by practitioners with significant experience in Industry.

The program kicked off from Industry conclave where major Indian corporate and pure-play analytics firms contributed with their inputs. The curriculum was developed in close interaction with Academia and Industry.

Since the inception of analytics, numerous organizations have embraced Data Science for Data-Driven-Decision making, achieving competitive edge and disruptive innovation. Many more are poised to join the pantheon. Armed with a unique set of skills required to attain excellence in the field of analytics, students of PGDBA hope to help industries unleash the dormant power of their data.

Fee for the 2-year program is fixed at 16.2 lakhs

PARTICIPATING INSTITUTES

Indian Statistical Institute Kolkata

The institute grew out of Statistical Laboratory set up by Prasanta Chandra Mahalanobis in 1931. Recognized as an institute of national importance, it is devoted to the research, teaching and applications of statistics, natural sciences and social sciences. Researchers and scientists from the institute have made fundamental contributions to the field of statistics

Indian Institute of Technology Kharagpur

Established in 1951, the institute has a history of creating leaders in the field of technology. Bagged the National IP award 2016 for Top Indian Academic institution for Patents. IIT Kharagpur at No 2 among top research institutions in India

Indian Institute of Management Calcutta

First management institute in India to be credited by AACSB, AMBA and EQUIS. Over the years, the institute has gained a reputation of blending quantitative into management disciplines. The state-of-the-art Financial Research and Trading lab enables student to carry out real time analysis on financial data

CURRICULUM AND TIMELINE

- Statistical Inference
- Multivariate Statistics
- Probability & Stochastic Processes
- Regression & Time Series Modeling
- Machine Learning
- Hadoop & Map Reduce
- Networking & Security
- Information Retrieval
- Natural Language Processing
- Data Structures

- Algorithm Analysis & Design
- Cloud Computing
- Complex Networks
- Computational Finance
- High Frequency Finance & News Analytics
- Financial Risk Management
- Advanced Predictive Modeling
- Software Project Management
- Database Management Systems

- Optimization & Decision Analytics
- Modeling in Operations Management
- Analytics in Banking
- Analytics in Marketing
- Business Economics
- Pricing & Revenue Optimization
- Strategic Management
- Organizational Behavior
- Human Resource Management

A mix of seasoned professionals and fresh graduates lends a unique flavor to the first batch of PGDBA

Compulsory 6-month industry internship as part of curriculum (starting Nov 2016-Apr 2017)

Collaboration of industrial partners with faculty for class room training for some courses



Orientation &
Pre Semester Module
June 2015



Indian Statistical
Institute Kolkata
Semester 1



Indian Institute of Technology
Kharagpur
Semester 2



Indian Institute of Management
Calcutta
Semester 3



Internship
(6 Months)
Semester 4



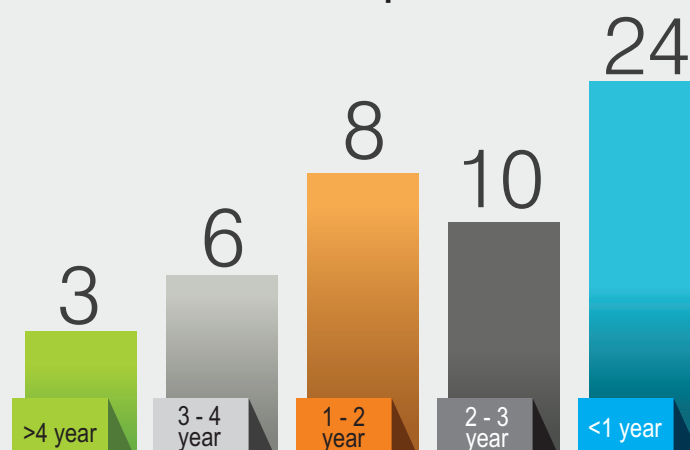
Graduation
May 2016

STUDENTS

Distribution of work experience of students

Of the current batch of 51 students, over 50% come from premier engineering institutes of the country like IITs and NITs

Rigorous selection procedure to the program involves standardized selection exams like GMAT, GRE, CAT, GATE and master level entrance exams to ISI. This is followed by test on Mathematics and personal interviews.



Work Experience by Industry

Industry	Students*
Software, IT, Product & Services	16
Engineering, Manufacturing	7
Consulting & BFSI	5
Energy, Power, Petrochemicals	3
FMCG & Retail	1

*Numbers excluding Freshers (16)

Contact Us

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