

**PLACEMENT**

**BROCHURE**

**2017 - 2018**



**INDIAN  
INSTITUTE OF  
SCIENCE**  
Bangalore

**DEPARTMENT OF MANAGEMENT STUDIES**

## About the Indian Institute of Science, Bangalore

The Indian Institute of Science (IISc) was conceived by Jamsetji Nusserwanji Tata in the final years of the 19th century, and started functioning from May 27, 1909. The evolution of the Institute over the past 108 years has mirrored the development of India in all spheres. A long history, a strong tradition of academic excellence and an ambience that favors scholarly activity have been the important elements in making the Institute the most attractive place for students and faculty.

Many of India's most distinguished scientists have been associated with the Institute as students or as faculty. Notable among them are Sir C V Raman, Homi Bhabha, Vikram Sarabhai, Satish Dhawan, G.N. Ramachandran, Harish Chandra, S. Ramaseshan, A. Ramachandran, C.N.R. Rao, and R. Narasimha.

## About the Department of Management Studies

The origin of the Department of Management Studies can be traced back to 1947, when the Section of Economics and Social Sciences was setup in the institute because of the long-term vision of J.N. Tata, thereby sowing the seeds of management education and research in the country. The department initiated a formal management education program in 1954-55 and a research program in the early 1960s. Notwithstanding the glorious and productive existence of more than 6 decades, the department has constantly strived to achieve new frontiers of excellence in management education by offering innovative program from time to time.

# From the Chairman's Desk

Prof. Parthasarathy Ramachandran  
Chairman

Department of Management Studies  
Indian Institute of Science



It is with great pride that I introduce the 2016-18 batch of students from our Master of Management program. The growth of high-technology R&D intensive industries in India has created a need for management talent in these areas and the program has been designed to cater to this need. We launched this new program in 2011 that gives students the option to specialize in Business Analytics or Technology Management. The Indian Institute of Science is the most prestigious educational and research institution in the country having been ranked No. 1. in MHRD NIRF ranking. The high technology research intensive culture of the institute gives a very unique edge to our graduates that is hard to find elsewhere in the country.

All of our students have been admitted through a rigorous screening process comprising of a standardized test (GATE/CAT/GMAT) followed by personal interview and group discussion. These students are the best out there with only 3% of the total applicants gaining admission in our program. This brochure provides you information on our department, faculty, course structure, and the new talent who will graduate from our department in July 2018. It is my pleasure in inviting you to visit our department to recruit our graduates. Hope to establish a long-term relationship for mutual benefit and growth.



# Master of Management Program

The 2 year (4 terms) Master of Management (M.Mgt) program is a first of its kind in the country with two specializations: Business Analytics and Technology Management.

Objectives of the program:

- To enable graduate engineers to grow into competent and creative managers of technology intensive and data driven organizations.

Admission Procedure:

- The admission procedure for the program is carried out through the following highly competitive examinations, thereby ensuring that only the very best students qualify:

CAT/GATE/GMAT with I class in B.E./B.Tech/Equivalent

## Specializations

### Business Analytics



With the era of gut based decision making past us, it is time to usher in the era of data driven decision making with the help of analytical frameworks hinged on statistical techniques and data mining algorithms. Students specializing in BA imbibe the nuances of these analytical techniques along with the acumen of managerial decision making, making them an invaluable asset in any organization. The quantitative inclination of the program supplements the domain knowledge in various facets of management to give the students a head-start in their managerial career.

### Technology Management



Technology Management is the integrated planning, design, optimization, operation and control of technological products, processes, and services. The TM course creates specialized managers for technology intensive firms with skills attuned to solving problems which requires technological inclination along with application of management concepts. Students specializing in TM understand value of technology and analyze its impact in a multitude of disciplines like Marketing, Finance, Project Management, New Product Development, R&D Management, Intellectual Property, and Innovation Management

# Course Structure

## Hard Core Courses

- Applied Statistics
- Operations Management
- Economics
- Finance and Accounts
- Human Resource Management
- Behavioral Science
- Marketing Management
- Principles of Management

## Stream Core Courses

### Business Analytics

- Applied Operations Research
- Decision Models
- Time Series Analysis and Forecasting
- Data Mining

### Technology Management

- Technology Management
- Management of Innovation and Intellectual Property
- Management of Technology for sustainability
- Entrepreneurship for Technology Startups

## Elective Courses

- Macroeconomics
- Industrial Policy & Development
- Organizational Behavior
- Strategic Management
- Knowledge Management for Innovation
- Marketing Research
- Services Marketing
- Stochastic Models and Applications
- Methodology of Management Research

- Project Management
- Product Planning & Marketing
- Data Analysis & Visualization
- R&D Management
- Linear and Non-linear Optimization
- Energy Policy
- Game Theory
- Pattern Recognition
- Modelling and Simulation

- Advanced Analytics
- Corporate Strategy
- International Marketing
- Design Management
- Technology and Society
- Product Strategy & Management
- Probability Models



# Our Distinguished Faculty

## Regular Faculty

M.H. Bala Subrahmanya, Ph.D.(ISEC, Bangalore), Professor  
Industrial Economics, Innovation Management & Policy Studies

K.B.Akhilesh, Ph.D. (IISc), Professor  
Human Resource Management, Organizational Behavior, Knowledge  
Management, R&D Management and Technology Management

R. Srinivasan, Fellow (IIM, Bangalore) , Professor  
Strategic Management, Marketing, Services Marketing and International  
Marketing, Transport & Energy

C. Mukhopadhyay, Ph.D. (Missouri, USA), Professor  
Finance & Applied Statistics, SQC & Reliability

M.Mathirajan, Ph.D. (IISc), Chief Research Scientist  
Applied Operations Research, Heuristic Optimization, Operations Management,  
Supply Chain Management, Decision Support Systems & Methodology of  
Management Research

Anjula Gurtoo, Fellow (IIM, Ahmedabad), Associate Professor  
Policy Studies & Behavioral Science

Parthasarathy Ramachandran, Ph.D. (Oklahoma), Associate Professor & Chairman  
Operations Management, Discrete optimization, Revenue Management &  
Dynamic Pricing, Web data Mining

Parameshwar P Iyer, Ph.D. (California), Principal Research Scientist  
Knowledge Management, Entrepreneurship,

Energy Modeling, Infrastructure, & Project Management

Yadnyvalkya, M.A. Russian(CIEFL), Principal Research Scientist  
Russian language & literature, Motivation factors & their impact on language  
learning, Scientific & Technical Translation, Russian classic literature, Lexicology,  
Methodology

P. Balachandra, PhD.(IISc), Principal Research Scientist  
Energy & Environmental Policy & Management, Operations Research, Policy  
Studies & Technology Management

## Adjunct Faculty

Vivek Kulkarni, MBA (University of Pennsylvania), IAS officer (Retd.), Chairman &  
CEO - Brickwork India

Prahalada, Ph.D. (Jawaharlal Tech Institute), Adjunct Professor, Vice Chancellor of  
D.I.A.T | DS & CC R&D, DRDO

Narendar Pani, Ph.D. (ISEC, Bangalore), Adjunct Professor, Professor, NIAS

Abhinanada Sarkar, Ph.D. (Stanford University), Independent Consultant

Roland Haas, Ph.D. (Clausthal), Founder QSO Technologies

P. Gopalakrishnan, Ph.D. (University of Maryland College Park), Vice President  
Corporate Technology, IBM

Raghuram Devarakonda, Ph.D. (University of California, Berkeley), Managing  
Partner, Accenture

# Placement Process

The placement office at DoMS at IISc follows the following procedure to support the placement process:

1. The Department Placement office sends invitations to companies/ organizations along with relevant information
2. Company/ Organization fills a Job Announcement Form (JAF) containing details of the offer and mails it to the Placement office
3. If the company/ organization is interested in conducting a Pre-Placement Talk (PPT), before the interviews, they can send a request along with the preferred dates
4. The CVs of all the interested and eligible (as per the criteria specified by the organizations) students is made available to the organization
5. Placement office allots dates for recruitment process by considering factors like preferred date communicated by the organization, slot availability, etc. Organizations visit the campus on the allotted date(s) and conduct interviews according to their recruitment process
6. The company/ organization is required to furnish the final list of selected students after the end of the interview process. The organizations are also requested to maintain a waitlist of students (if possible)





**STUDENT PROFILES:**

**FINAL PLACEMENTS**

CLASS OF 2018



Abhaya Kumar Jaiswal

**Education** : B.Tech. (Electrical and Electronics)

**Institute** : National Institute of Technology, Delhi

**Work Exp.** : 14 Months | Emirates Technical Associates - Power Projects

**Role** : Management Engineer

**Summer Internship** : The D. E. Shaw Group (Financial Services)

**Role** : Statistical Analyst Intern

1. Assisting Futures/Derivatives Trading on Energy Commodities by forecasting supply/demand using Regression & Multivariate Time Series Analysis
2. Building models to predict location and quantity of crude oil off-loaded at sea-ports by applying Supervised Machine Learning algorithms on ports' logistic data
3. Learning structures in the data collected on flow of Natural Gas in the Storage Pipelines using unsupervised learning methods

**Email** : abhayak@iisc.ac.in



Akshay Acholkar

**Education** : B.E. (Mechanical)

**Institute** : Fr. Conceicao Rodrigues Institute of Technology, Mumbai University

**Work Exp.** : 11 Months | ThyssenKrupp Industrial Solutions

**Role** : Graduate Engineer Trainee

**Summer Internship** : Siemens Technology and Services Pvt. Ltd.

**Role** : Technology Development Intern

1. Market research on next generation technologies
2. Assessing the potential business impact of these technologies on Siemens

**Email** : akshayv@iisc.ac.in



Amitabh Gunjan

**Education** : B.Tech. (Power)

**Institute** : National Power Training Institute, West Bengal University of Technology

**Work Exp.** : Fresher

**Summer Internship** : Brickwork Ratings India Pvt. Ltd.

**Role** : Summer Intern

1. Market study of the Indian power sector
2. Credit risk modelling using statistical techniques

**Email** : amitabhg@iisc.ac.in



Anurag Gupta

**Education** : B.E. (Electronics and Telecommunication)

**Institute** : Thakur College of Engineering and Technology, Mumbai University

**Work Exp.** : 3 Months | Swastik Automotives Pvt. Ltd.

**Role** : Business Developer

**Summer Internship** : Indo - Korea Science and Technology Centre

**Role** : Statistical Analyst Intern

1. Creating prediction models based on statistics and Neural networks (univariate/ multivariate)
2. Creating regression models for imputation of missing data
3. Creating various data visualizations

**Email** : guptaa@iisc.ac.in



Apoorvaa Singh

**Education** : B.Tech. (Computer Science and Engineering)

**Institute** : Inderprastha Engineering College, Dr. APJ Abdul Kalam Technical University

**Work Exp.** : 4 Months | Gauge Data Solutions Pvt. Ltd

**Role** : Junior Java Developer

**Summer Internship** : GE Digital

**Role** : Data Science Intern

1. Route and cost optimization for equipment transportation to GE energy customers in North and South America, using supervised learning techniques (mathematical programming, regression)
2. Predictive statistical modelling to forecast machinery outage times and reliability probabilities – using survival analysis and cumulative damage models
3. Business insight generation and decision streamlining on the basis of the analysis of current GE vendors' data.

**Email** : apoorvaas@iisc.ac.in



Arijit Poddar

**Education** : B.Tech. (Mechanical)

**Institute** : Kalyani Government Engineering College, West Bengal University of Technology

**Work Exp.** : Fresher

**Summer Internship** : KPMG India

**Role** : Intern – IGS, Strategy & Operations

1. Pilot project for implementing common power exchange among SAARC countries
2. Modelling and predicting Market Clearing Price(MCP) of power traded in the Exchange using various Machine Learning techniques and Time Series Analysis in R

**Email** : arijitp@iisc.ac.in



Chandana Priya Nivarthi

**Education** : B.Tech. (Electrical and Electronics)

**Institute** : Jawaharlal Nehru Technological University  
College of Engineering

**Work Exp.** : 20 Months | Tata Consultancy Services Ltd

**Role** : Associate Software Engineer

**Summer Internship** : GE Digital

**Role** : Data Science Intern

1. Developed statistical machine learning solutions for GE parts price prediction
2. Improved forecast accuracy and reduced supply chain inefficiencies using predictive models
3. Geo-tagged pictures, as a part of image processing using python and SQL

**Email** : nivarthic@iisc.ac.in



Dhiraj Gangaraju

**Education** : B.E. (Industrial and Production)

**Institute** : Chaitanya Bharathi Institute of Technology,  
Osmania University

**Work Exp.** : 41 Months | Cognizant Technology  
Solutions Pvt. Ltd

**Role** : Test Analyst

**Summer Internship** : Ericsson Global India

**Role** : Intern – Data Science

1. IT Usage analysis and survey analysis using text mining, topic modelling and decision trees in R
2. Web scraping Ericsson customers and competitors' newsletters, to find patterns, using python
3. Yammer analysis using linear regression and creating dashboards using R shiny

**Email** : gangarajud@iisc.ac.in



Karthik Gaddipati

**Education** : B.E. (Mechanical) + M.E. (Machine Design),  
Integrated Dual Degree

**Institute** : Andhra University College of Engineering,  
Andhra University

**Work Exp.** : Fresher

**Summer  
Internship** : D.E. Shaw India

**Role** : Financial Analyst Intern

1. Construction of multiple econometric models to calculate and forecast term premiums of G10 countries, and analyse effects of market and macro factors.
2. Text analytics and sentiment analysis of broker reports and twitter news feeds

**Email** : gaddipatik@iisc.ac.in



Manoj Reddy L

**Education** : B.Tech. (Civil)

**Institute** : Indian Institute of Technology Guwahati

**Work Exp.** : 16 Months | Flexisphere Pvt. Ltd.; 21  
Months | IBM India Pvt. Ltd.

**Role** : Systems Administrator; Test Specialist

**Summer  
Internship** : Department of Science & Technology

**Role** : Summer Intern

1. Analysing Research and Development data collection methodology for various countries and the way ahead for India

**Email** : manojr@iisc.ac.in





Mohit Bajaj

**Education** : B.E. (Chemical)

**Institute** : University Institute of Chemical Engineering and Technology, Panjab

**Work Exp.** : 44 Months | Evalueserve (SEZ) Pvt. Ltd

**Role** : Senior Business Analyst

**Summer Internship** : GE Digital

**Role** : Data Science Intern

Worked with data science team for GE Power business and built predictive models by applying machine learning algorithms to solve business problems such as resource optimization and failure control

1. Flow Forecast: Built a predictive model to anticipate the purchase needs in the manufacturing sites in case of outages.
2. Capacitor Failure Detection: Worked on sensor data to build a model suggesting working environments to reduce failure rate.

**Email** : mohitb@iisc.ac.in



Parag Kulkarni

**Education** : B.E. (Electronics and Instrumentation)

**Institute** : Shri G.S. Institute of Technology and Science (SGSITS), Indore, RGPV Bhopal

**Work Exp.** : Fresher

**Summer Internship** : KPMG India

**Role** : Intern- IGS, Strategy & Operations

1. Impact Assessment of the pooled South Asian Regional Power Exchange (SARPEX) proposed for the SAARC countries
2. Developing Price forecasting models for the Day Ahead Energy Market using various Time series analysis and Machine learning techniques

**Email** : paragk@iisc.ac.in



Preetam P Bendapudi

**Education** : B.E. (Mechanical)

**Institute** : MVSR Engineering College, Osmania University

**Work Exp.** : 21 Months | Cognizant Technology Solutions Pvt. Ltd.

**Role** : Programmer Analyst

**Summer Internship** : WalmartLabs

**Role** : Statistical Analyst Intern

1. Applying Variable Selection and regularization methods for improving the efficiency of statistical models
2. Building Regression Models using the selected variables for the Real Estate Domain

**Email** : preetamp@iisc.ac.in



Rahul Kumar

**Education** : B.Tech. (Production and Industrial)

**Institute** : National Institute of Technology, Jamshedpur

**Work Exp.** : 26 Months | BANGUR CEMENT Ltd (A unit of Shree Cement Ltd.)

**Role** : Senior Mechanical Engineer

**Summer Internship** : WalmartLabs

**Role** : Statistical Analyst Intern

1. Generating models on supervised machine learning algorithms for predicting the product line
2. Generating models on unsupervised machine learning algorithms for grouping of products

**Email** : rahulk@iisc.ac.in



Shilpi Dey

**Education** : B.E. (Electrical and Electronics)

**Institute** : Birla Institute of Technology, Mesra, Ranchi

**Work Exp.** : 15 Months | Mu Sigma Pvt. Ltd.; 04 Months | MECON Ltd

**Role** : Trainee Decision Scientist; Engineer Trainee

**Summer Internship** : WalmartLabs

**Role** : Statistical Analyst Intern

1. Predicting customer demographics from customer transaction data

**Email** : shilpid@iisc.ac.in



Souvik Maji

**Education** : B.Tech. (Electronics and Communication)

**Institute** : Asansol Engineering College, West Bengal University of Technology

**Work Exp.** : 18 Months | Ericsson Global Pvt. Ltd.; 19 Months | Huawei Telecom Pvt. Ltd ; 15 Months | ZTE Telecom India Pvt. Ltd.

**Role** : Engineer; GNOC Engineer; Engineer

**Summer Internship** : Brickwork Ratings India Pvt. Ltd.

**Role** : Summer Intern

1. Market study of the Real Estate sector  
2. Building and conducting customer perception survey. Analysed the data using statistical techniques to solve business problems

**Email** : souvikm@iisc.ac.in

# OUR PAST RECRUITERS



**2016-17 Placement Statistics:** Highest Salary: 29.77 LPA Average salary: 16.1 LPA

# CONTACT US

## M.Mgt (2016-18) Students Placement Committee Heads

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## Faculty Advisors

Prof. M H Bala Subrahmanya

Prof. Parthasarathy Ramachandran

Dr M Mathirajan

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Prof. Parthasarathy Ramachandran

Chairman

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