PLACEMENT BROCHURE 2016–17
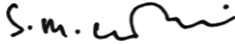**M.S. IN QUALITY MANAGEMENT SCIENCE**

CONTENTS

The jointly organized post graduate program in Quality Management Science by Indian Statistical Institute Bangalore and Hyderabad was initiated to impart the knowledge and skill required to become a successful quality analyst. All programs of the institute have been highly acclaimed both nationally and internationally due to the distinguished faculty and high caliber students that enter the program. This is a two year program in quality management and its applications with a special emphasis on Quantitative methods. It also includes Dissertation in third semester and a live project work in the fourth semester under the direct guidance of faculty. The course offers a flexible format for those who want to meet specific educational and career objectives.

Every organisation wants to predict customer behavior and strengthen the business focus with the help of accurate, reliable insight from data, by using data-driven analytical approach with extensive application of statistical and quantitative analysis, explanatory and predictive modelling. This course on quality management will aim to impart the skill of exploring and investigate past process performance to gain knowledge and drive business planning based on data and statistical methods. The training is of foremost importance to match the ever growing demand and dearth of quality analysts in organizations. As the head, SQC&OR Unit, ISI Bangalore, I sincerely believe that the ultimate test of success of the program and what a student learns has to be evaluated by the market. I, thereby encourage you to visit our campus and provide placement opportunities (for batch 2015-17) and summer internships for first year students(of 2016-18 batch) at an early date

Dr. Sanjit Ray
Head
SQC & OR Unit
Indian Statistical Institute, Bangalore

The second batch of the two year post graduate program, Master of Science in Quality Management Sciences (MS QMS) is being conducted by the Indian Statistical Institute, first year at Bangalore and second year at Hyderabad. The course is well-designed with a unique blend of subjects that will cater to the modern analytical requirements of the organizations. The students are imparted adequate theoretical inputs on analytical tools encompassing the topics such as Applied Multivariate Analysis, SPC, OR, Reliability, Industrial Experimentation, Six Sigma, Project Management, SDM, Quality Audit etc. The curriculum also includes assignments, presentation of case studies and pursuing project work. I'm sure that our students with comprehensive and rigorous training should have developed analytical mind-set to excel in their future endeavours.

S M Subhani
Head
SQC & OR Unit
Indian Statistical Institute, Hyderabad

The Indian Statistical Institute, Bangalore & Hyderabad are jointly imparting a rigorous post graduate program in Quality Management Science(Two year MS QMS). The main process emphasized at ISI is "thinking process". In tune with complex and a rapidly changing information rich world, we are imparting rigorous skills that are required for searching and collecting the right data, processing them, analyzing it and make a right decision at the right time.

The students are trained to apply contemporary analytical tools to practical problems, through various quality improvement project works. I sincerely believe that the ultimate test of the program is when the student coming through it, is evaluated by the market. I, thereby encourage you to visit our campus and provide placement opportunities (for the batch 2015–2017) and summer internships for the first year students (of 2016–2018 batch) at an early date.

Looking forward to hearing from you soon.

U H Acharya
Students–in–Charge MS (QMS)
Indian Statistical Institute, Bangalore

Indian Statistical Institute, an institution of national importance for higher learning with international acclaim has launched a new two–year full time academic programme namely Master of Science in Quality Management Sciences (MS QMS). The first year of the programme is being offered at Bangalore and second year is at Hyderabad campuses of the institute. The programme is designed in such a way that the participants are given sound theoretical knowledge with live project applications needed for quality improvement, business analytics, optimization and statistical modelling.

It is heartening to note that the Placement Brochure for the second batch is being released for the benefit of prospective organizations, to know the details of the programme and as well as the profile of the students in the programme, for contemplating on the placement.

I cordially invite various manufacturing, software, financial and analytics organizations, for mutual benefit to come forward, for placement of the second year participants and for offering the summer training/internship for the first year students.

My best wishes to all the participants of the programme for a bright career.

A L N Murthy
Students–in–Charge MS (QMS),
Indian Statistical Institute, Hyderabad

The Indian Statistical Institute (I.S.I), founded by a great visionary, 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 is empowered to grant degrees and diplomas. Primary activities of the institute are research and training of Statistics, development of theoretical Statistics and its applications in various natural and social sciences.

Key areas of expertise of the institute are Statistics, Mathematics, Computer science, Quantitative Economics, Operations Research and Information Science and it is one of the few research oriented Indian schools offering courses at both the undergraduate and graduate level. Institute has its headquarters at Kolkata. It has four other centres focused in academics at Delhi, Bangalore, Chennai and Tezpur, and a branch at Giridih.

In addition, the Institute has a network of units of Statistical Quality Control and Operations Research at Vadodara, Coimbatore, Hyderabad, Mumbai and Pune engaged in guiding the industries, within and outside India, in developing the most up-to-date quality management systems and solving critical problems of quality, reliability and productivity. The strengths of the institute lies in its broad & diverse client base, the result oriented approach and seasoned, multi-disciplinary faculty, research scholars and students.

The Institute pioneered the Quality Movement in India by inviting Dr. Walter Shewhart as early as November 1947 and establishing an exclusive division (SQC & OR Division) for assisting industry in 1957.

The institute was the architect of the second five year plan and the industrialization model for our independent India.

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ABOUT MS(QMS)

The MS(QMS) course is the latest addition to the list of some of the unique programs that ISI offers, with an exceptional blend of theory and practice. Course structure has been evolved based on future requirements in the industry and academia. The faculty brings experience from multiple disciplines and has hands on expertise in working with diverse range of industrial and scientific organizations. The program aims at providing the requisite knowledge and skills essential for data analytics and modelling together with a comprehensive understanding of tools available to systematically assess, analyze and evaluate organizational needs/problems. Students are trained in using tools like MATLAB, R, MINITAB, LINGO and SPSS in addition to contemporary Quality management methodologies like QMS(ISO, TS etc.), Six Sigma(DMAIC and DFSS) and Lean manufacturing. The students undertake dissertation to highlight their ability to work on challenging and innovative ideas concerning recent developments in the field. In the fourth semester, the students would be undertaking live projects addressing the concerns of industry under the guidance of faculty, which involves the application of theoretical knowledge gained.

Batch size(2015-17) : 11

Course structure: The program has 17 courses.

Basic compulsory courses:

Statistical Decision Making I
Statistical Process Control I
Reliability, Maintainability and safety I
Operations Research I
 Total Quality Management
Project Management
Statistical Decision Making II
Statistical Process Control II
Reliability, Maintainability and safety II
Operations Research II

Multivariate Analysis
Industrial Experimentation
Six Sigma for Business Excellence
Quality Audit
 Applied Regression Analysis
Non Linear programming

Elective courses:
Pattern recognition, Trouble shooting and Problem solving

STUDENTS' PROFILE(2015–17)

L to R(Standing): Vikram, Shreya, Himadri, Harish, Naresh, Ananthakrishna, Suhas
L to R(Sitting): Divya, Akanksha, Pragati, Neha

Ananthakrishnan S

Academic Qualification:
B.Tech. Mechanical Engineering, Mohandas College(Kerala University)
Internship Experience: Completed project titled "SPC Implementation in sewing line" at Aditya Birla Fashion and Retail ltd
Skills: MS-Excel, R Studio, MINITAB, SPSS, C, CAD Programming, ANSYS, Autodesk Inventor, Pro E

Divya

Academic Qualification:
B.Sc.(Hons) Mathematics, University of Delhi

Internship Experience: Completed project titled "Razor sight operations- Reprocessing Tickets analysis" at Xerox Business services, Bangalore

Skills: MS-Excel, MINITAB, R Studio, SPSS, MS-Visio

Himadri Giri

Academic Qualification:
B.Sc.(Hons) Mathematics, Calcutta University.
Internship Experience: Completed a literature review on the Process Capability Indices at ISI Kolkata under guidance of Asish Kumar Chakraborty(Faculty in ISI Kolkata; SQC and OR division).
Work Experience: 8 months of work experience at Cognizant as a manual tester.
Skills : MS-Excel, MS-PowerPoint, SQL, C++, R studio, Minitab, SPSS, LINGO, LATEX

Akanksha Singh

Academic Qualification:
B.Sc.(Hons) Mathematics, Banaras Hindu University

Project Work: Academic project on progressive censoring at Indian Statistical Institute, Bangalore Centre.

Skills: MS-Excel, R Studio, MINITAB, SAS, SPSS, C

Harish Mohan

Academic Qualification:
B.Math. (Hons.), Indian Statistical Institute, Bangalore.

Work Experience: 11 months of work experience in a start-up company applying statistical and mathematical techniques to solve Supply Chain Management Problems.

Skills: C, C++, HTML/CSS, Core Java, DOS, Windows, LINUX, R Studio, MATLAB, MINITAB, SPSS, Octave, SAS

Naresh Kumar

Academic Qualification:
B.Sc.(Hons) Mathematics, University of Delhi.

Internship Experience: Completed project titled "SPC Implementation in surface mount soldering process" at Centum Electronics Ltd.

Skills: MS-Excel, R studio, MINITAB, JMP, SPSS, LINGO, MS PowerPoint

Neha Khanna

Academic Qualification:
- B.Sc.(Hons) Statistics, University of Delhi
- Certification in Data Analytics, Ivy Pro School

Internship Experience: Completed project titled "Mission Happiness- Improving customer experience at stores for suits and blazers" at Aditya Birla Fashion and Retail Ltd
Skills: MS-Excel, MINITAB, R Studio, SAS, JMP, SPSS, SQL

Shreya Singhal

Academic Qualification:
B.Sc.(Hons) Mathematics, Banaras Hindu University

Internship Experience: Completed project titled " Demand forecasting for GMGP- Indirect purchasing" at Xerox Business services, Bangalore
Skills: MS-Excel, R Studio, SAS, SPSS, C, MINITAB, LINGO, MS PowerPoint

Vikram Vimal

Academic Qualification:
B.Sc. Mathematics(Hons), Banaras Hindu University

Internship Experience: Completed project titled "Predictive modelling to find Tax non compliance from commercial data" and "Reliability model for churn data" at Ducen.IT
Project Work: Time series forecasting for call center data for ACCENTURE under the guidance of Dr. Sanjit Ray

Skills: R Studio, SAS, MATLAB, MINITAB, SPSS, MS-Excel, LINGO.

Pragati Parikh

Academic Qualification:
B.Sc.(Hons) Mathematics, Banaras Hindu University

Internship Experience: Completed project titled "Effort optimization of the back-office team" at WIPRO Ltd, Bangalore.

Skills: MS- Excel, R Studio, MINITAB, SPSS, C, LINGO, MS PowerPoint

Venkata Suhas Boggavarapu

Academic Qualification:
B.Tech National Institute of Technology, Goa

Internship Experience: Developed a model to 'Determine optimal number of clusters for k-means clustering at Ducen.IT.

Skills: R Studio, MINITAB, SQL, MS-Excel

Placement Process

Placement process for MS(QMS) students will start from Mid November 2016.

Pre-placement discussions and campus interviews can be organized on a mutually convenient time slot on first-come-first-served basis.

The company is expected to visit the campus on the decided date and conduct its selection process. Kindly communicate specific requirement of the company (especially for briefing company profile to the students) to the Placement Coordinators (Members-Placement Committee) at least one week in advance to avoid any inconvenience during the campus visit.

The company should inform about the selected candidates, preferably within a day. Detailed offer letter, duly signed by the company official may be sent to the Placement Coordinator(s) for distribution among the selected students, who will arrange to send back letters of acceptance to the employer from students.

Students will join the companies only after the completion of their course. The date of joining should preferably be within one month from the official date of completion of the course.

No further interview/test should take place outside the campus.

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

Company delegates requiring ISI Guest House accommodation need to send an email requesting booking of ISI Guest House, to the Placement Coordinator(s) (placements@isihyd.ac.in). Companies are requested to express their desire for Campus Placement by mailing the filled in MS(QMS) Campus Placement Form to placements@isihyd.ac.in

Form is also available at http://isihyd.ac.in/placement.html

BATCH OF 2016–18

There are 11 students in the MS(QMS) batch of 2016–18 hailing from various academic streams like Engineering, Mathematics and Statistics. The academic rigor of the program makes the students valuable assets for any organisation.

These students will be available for internship during the summer of 2016 for 4–8 weeks. The organizations are requested to provide an opportunity for these students to put their theoretical knowledge to practical use.

CONTACT US

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Deutsche Bank
HDFC Bank
HSBC Bank
ICICI Bank
WNS Global Services
Synopsys
Amazon
Yahoo
AMD
Axis Bank
BACS
Qualcomm
Odessa Technologies
American express
ANZ Bank

SOFTWARES AND TECH.

Adobe
Google
Xerox Research
IBM India
Loud Cloud Systems
Microsoft
NVIDIA Graphics
Opera Solutions
Oracle

R&D

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

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Blue Ocean Marketing Intelligence
BridgeI2I
Caterpillar Inc.
Crisil
Educational Initiatives
FICO
Fractal Analytics
Genpact
Hewlett–Packard
JD Analytics
Mckinsey Knowledge Center
Mu Sigma
Opera Solutions
Sabre Holdings
SP Algo
TCS Analytics
Wipro Technologies

MARKET RESEARCH

IMRB
Idea Cellular
On process Technology
Nielsen

PHARMACEUTICALS

Novartis
Dr. Reddys' Laboratories

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

ACTUARIES

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

The average annual salary received by the students of Indian Statistical Institute is ₹ 14.5 lakhs during 2015–16.

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