

About NIT Karnataka

The National Institute of Technology Karnataka (NITK), Surathkal has established itself as one of the top technological institute in India and is recognized as an institute of National importance. The Institute is considered as a premier center engaged in imparting quality technological education and providing support to research and development activities. The Institute has a long tradition of research for several decades in both traditional and modern areas of engineering and science. The NITK campus is a breeding ground for effective interaction among the faculties, research scholars and students leading to germination of innovative ideas. The campus also fosters interaction with industry and other stakeholders.

School of Management

The School of Management which was established in the year 1989-90 has become a leading management school in the country. The School strives to offer state of the art management teaching and real world business exposures through its internship programs. With faculties having expertise in diverse fields of research and strong quantitative background, the School facilitates excellent placement opportunities.



Contact Information

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Continuing Education on

Computational Intelligence and Statistical Based Data Analytics

Application to Business Management,
Engineering and Medical Sciences

December 3-7 2018

Course Coordinator

Dr. Ritanjali Majhi

Associate Professor
School of Management

National Institute of Technology Karnataka,
Surathkal, Mangalore 575025,
Karnataka, India



**National Institute of Technology Karnataka,
Surathkal**

Overview

Data Science is an interdisciplinary field that focuses on the extraction of useful information from the unstructured raw dataset. Data science includes data cleansing, preparation and critical analysis to provide useful tips for decision making. Data analysis employs mathematics, statistics and computational intelligence techniques in various domains such as medicine, agriculture, atmospheric sciences, financial markets, e-commerce, and business operations. Data science acts as the major tool in the present day decision making. There is a huge data available in the digital era, it is necessary to make use of the data for the betterment of the society. In most of the instances the poor management and lack of knowledge on data science application will lead to improper decision.

Course Objectives

The course is designed to provide the required knowledge of the computational intelligence and statistical based data analytics in health care sector, Engineering Sciences, Management science and Social Sciences. The primary objectives of the course are:

1. To understand the importance of computational techniques and their application to various fields
2. The use of various data analysis tools and techniques in decision making process
3. To familiarize the statistical techniques for problem solving in various industries
4. To understand the various data driven techniques to effectively make use of the real life dataset
5. To effectively make use of the analytical tools in complex problems
6. To demonstrate few techniques through practical session using MATLAB and R software

Who can attend : B.Tech (Final year students), M.Tech and PhD Students (Business Management & Engineering Sciences), MBBS and MD students, Faculties from science, engineering and business schools and Industry participants.

SPEAKERS

Prof. Ganapati Panda,
Ex. Deputy Director, IIT Bhubaneswar
Digital Signal Processing, Soft and Evolutionary Computing
School of Electrical Sciences

Prof. Arnab Laha
Statistical and Quantitative Methods,
IIM, Ahmedabad

Prof. Anjan Kumar Swain
Information Technology & Systems
IIM, Kozhikode

Prof. Tapan K. Gandhi
Electrical Engineering (Biomedical Engineering)
IIT, Delhi

**and other invited speakers from
Central Universities & Industry**

Course Fee

For Undergraduate and Postgraduate	Rs. 1000 + 18% GST	Rs. 1180
For PhD Students	Rs. 1500 + 18% GST	Rs. 1770
For Faculty	Rs. 2500 + 18% GST	Rs. 2950
For Industry participants	Rs 5000 + 18% GST	Rs. 5900

First come first will be given opportunity as the number of participants are limited to 60.

How to Register : All prospective participants need to send their filled in registration form along with the DD to course coordinator. The payment should be made in the form of Demand Draft, in the favor of **DIRECTOR NITK SURATHKAL** payable at Surathkal. In case of any queries, you can email to the course coordinator. Limited accommodation can be provided inside the campus against a nominal charge.

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REGISTRATION FORM

1. Name: _____

2. Designation: _____

4. Institution: _____

6. Email address: _____

7. Phone: _____

8. Accommodation Required: YES/NO

9. Details of payment of course Registration fees:

DD No.: _____ Date: _____

Amount Rs : _____

Bank: _____

Place :

Date :

Signature of Applicant