

Instructions for Participants

- The fee will be refunded only at the end of the workshop
- Guest house Accommodation is on First Come First Served Basis at a Nominal Charge
- Reimbursement of Bus Fare / Train Fare will be made only against proof as per NITT Norms

Eligibility and Pre-requisites

Following Persons are Eligible for the Workshop:

- Faculty Members
- Research Scholars
- Industry Professionals

Pre-requisite:

Participants should have fundamental working knowledge of Python Programming Language

To download the registration form and for latest updates, please refer

www.nitt.edu

For any clarifications please contact

Dr. U. Srinivasulu Reddy,

Assistant Professor/Computer Applications, NITT

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Registration:

For Registration, kindly visit the following url:

<https://goo.gl/forms/IRBTT0q6CMoRg3fM2>

Registration Fee Details:

Rs. 1000 (Refundable)

The participants will be provided with programme kit, refreshments and working lunch. Registration fee is to be paid by Demand Draft drawn in favour of "The Director, NIT, Trichy", payable at Tiruchirappalli.

Accommodation for the participants will be arranged in the institute guest house at a nominal fee for the outstation participants. Normally it will be a twin shared accommodation.

Important Dates

Last date for receiving the duly filled in registration forms is 17th October, 2016.

Address for Communication

Kindly send registration forms to the following address:

Dr. S. Nickolas,

Associate Professor,

Department of Computer Applications,

National Institute of Technology, Tiruchirappalli-620015

Email: nickolas@nitt.edu

**National Institute of Technology
Tiruchirappalli-620015**



**DST Sponsored 3 days Workshop
on
Data Science Research**

3rd November - 5th November, 2016

Organized By

Department of Computer Applications
and
Department of Computer Science &
Engineering

www.nitt.edu

DST Sponsored 3 days Workshop on Data Science Research

3rd November - 5th November, 2016

Workshop Coordinators:

Dr. S. Nickolas, Associate Professor,
Department of Computer Applications, NITT

Dr. S. Mary Saira Bhanu, Associate Professor,
Department of Computer Science & Engineering, NITT

Dr. S. Sangeetha, Assistant Professor,
Department of Computer Applications, NITT

Dr. U. Srinivasulu Reddy, Assistant Professor,
Department of Computer Applications, NITT

NIT - TRICHY : OVERVIEW

National Institute of Technology, Tiruchirappalli, (NITT) formerly known as Regional Engineering College, Tiruchirappalli (RECT) is one of the finest universities started by the Government of India. RECT was started in the academic year 1964 - 65 and has been imparting quality education ever since. In 2003, the institution was granted Deemed to be University status with the approval of UGC / AICTE. With the cream of engineering and management talent, encompassing both students and faculty, coupled with state-of-the-art infrastructure facilities, NIT - Trichy today stands out as one amidst the elite institutions in the country.

ABOUT COMPUTER APPLICATIONS

The Department of Computer Applications is one of the pioneering departments of the institution that offers Information Technology courses such as MCA and M.Sc (CS) and one among the top five offering MCA courses in the country. It is committed to impart quality education in the subfields of IT, a field growing in leaps and bounds. The curriculum is so made that the course provides a good theoretical foundation through high quality teaching complemented by extensive practical training. It is dedicated to the mission of inculcating value-based, socially committed professionalism to the cause of overall development of students and society.

ABOUT COMPUTER SCIENCE & ENGINEERING

The Department of Computer Science & Engineering, with its cohesive team of faculty members, offers a sound program at the UG and the PG levels. The curriculum is a blend of the conventional and the radical which is updated regularly to keep up with the growing demands and the changing trends of the software industry and research laboratories. Core courses include Programming Languages, Computer Architecture, System Software, Networking, and Artificial Intelligence.

ABOUT THE WORKSHOP

The goal of Data Science Research is to build systems and algorithms to extract knowledge, find patterns, generate insights and predictions from diverse data for various applications and visualization. Almost every discipline such as medical sciences, life sciences, bio-informatics, law, civil engineering and government are in need of Data Science Research.

Challenges in Data Science Research include:

- Handling data that comes in different forms, such as free text, structured data, audio/video and images
- Obtaining insights from data using sophisticated analysis
- Usage of High Performance Computing platforms in Data Science

WORKSHOP TOPICS

- **Statistical Analysis**
- **Data Cleaning and Pre-processing**
- **Data at Scale**
- **Data Science Research in Industry**
- **Machine Learning Techniques**
- **Data Visualization Fundamentals**
- **Data Science Research in Banking**
- **Hands-on using Python and PySpark**