One Week Online Short Term Course (STC) on

Mathematical modeling of Data Science problems in Engineering and Science

(7th to 11th Nov 2022)

Organized by

DEPARTMENT OF INFORMATION TECHNOLOGY

SREENIDHI INSTITUTE OF SCIENCE AND TECHNOLOGY, HYDERABAD

In association with

Center for Continuing Education, NIT-WARANGAL

Preamble:

Center for Continuing Education (CCE) NIT Warangal: The Center for Continuing Education NIT Warangal organizes FDPs/ Training Programme/ Seminars/ Workshops etc., in the frontier areas of Science, Engineering, Technology, Management, Humanities, Social science and socially relevant themes on self-financial basis in three different modes at NIT Warangal, at NIT Warangal in collaboration with other organizations and by NIT Warangal Faculty at the Host Organization/Institute.

About STC: Mathematical modeling of Data Science problems in Engineering and Science

Mathematical modelling is often considered to be more an art than a science and depends heavily on the experience and knowledge of the researchers involved. It requires both a good understanding of the nature of the process and a familiarity with the available models and methods. Mathematical models are of different types: Linear vs. ...   Static vs. ...   Explicit vs. ...Discrete vs. ... Deterministic vs. ... & Deductive, inductive, or floating: A deductive model is a logical structure based on a theory. Indeed, mathematical models are used to make predictions in many areas of science including biology. The types of models used to make predictions vary in their complexity from simple, few equations-based models to models including hundreds of variables. A true data science problem may: Categorize or group data/Identify patterns/Identify anomalies/Show correlations/Predict outcomes

The outcomes of the program:

- Understand of identified/defined problem
- Modelling the problem by identifying the parameters as per need and Analyzing for solution by various tools
- Identifying the computing methodologies and Scientific findings of data for prediction.

Major Course Contents

- Introduction to Mathematical Modelling.
- How modelling can be done in different types of Data Science Problems
- Pure and Applied mathematical concepts
- Statistical Modelling

Faculty Conducting this Program :

Academicians in the concerned field from IITs/NITs/IIITs/Central/Deemed/State Universities/NITW/SNIST/Industry personnels.

NIT-Warangal: National Institute of Technology, Warangal is the first among 17 RECs setup as joint venture of the Government of India and the state government. Over the years the college has established itself as a premier institute imparting technical education of a very high standard leading to the B.Tech degrees in various branches of engineering, M.Tech. and Ph.D programmes in various specializations. All B. Tech and M. Tech programmes of NIT Warangal are NBA accredited.

Sreenidhi Institute of Science and Technology (SNIST), Hyderabad: Sreenidhi Institute of Science and Technology (SNIST), Hyderabad, Telangana 501301 is a non-profit organization founded by a group of Industrialists, Academicians, Professionals and non-resident Indians with an idea of imparting purposeful education to youth. SNIST which is being sponsored by Sree Educational Group was established in the year 1997 by Dr. K.T. Mahhe, an extraordinary educationist, a pragmatic leader and a dynamic entrepreneur with rich experience in Academics and Industry with the permission of AICTE, New Delhi and the Government of Andhra Pradesh. The Institute offers 11 UG (B.Tech) and 9 PG (M.Tech and MBA) programs. SNIST is striving hard to empower the students in their technical knowledge and imbibe adequate skills through the teaching by eminent faculty. The present annual intake of the institute is 1836. The institution has been accredited by NAAC with A+ grade and NBA, New Delhi. This year SNIST is celebrating its 25th year (Silver Jubilee).

Department of Information Technology, SNIST: Established in 1997 with a view of providing quality education in professional core and multi-disciplinary areas. The UG intake is 240 apart from PG program (CNIS) with 24 seats. IT Department is very strong in research activity apart from teaching especially in the areas like Data Analytics/Information Security/AI/ML/IOT/Deep learning etc. The Department has 14 Ph.D. holders and 10 faculty pursuing Ph.D. The department accredited by NBA-AICTE and NAAC. The Department periodically organizes sponsored FDP/STTP/STC.CONFERENCES and recently has been recognized as Authorized Academy by PALO ALTO Networks by Cyber security.

Application

Name:
Designation:
Institution:
E-mail:
Mobile No.:
Reference No. (fee paid):
Mode of Payment:
Amount paid:
Name of the Bank:
Date of Payment:
Address for Correspondence:
Educational Qualification:
Subjects taught so far:
No. of refresher courses/workshop attended:
Experience in Teaching:
Research: Industry:
Do you belong to SC/ST: Yes/No

Declaration:

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the STC and shall attend the course for entire duration. I also undertake the responsibility of the course.

Signature of the Participant

Sponsorship Certificate:

Dr. /Mr. /Ms. …………………………………………………. is an employee of our Institute/Organization and is hereby sponsored to participate in the ONLINE STC on "**Applications of Recent Trends in Industry using Intelligent Computing**" sponsored by Center for Continuing Education NIT Warangal in association with Department of IT, Sreenidhi Institute of Science and Technology, Hyderabad during 14th to 18th Nov 2022.

Signature of Head of the institution/Organization
(with seal)

Registration Fee Particulars:

PG Students /Research Scholars/Faculty: Rs 500/- (Rs. Five Hundred only).
Industry Professionals   : Rs 1000/-(Rs. Thousand only).
Foreigner   : 50 USD

Bank Account Details:

Account Name:	CCE NITW
BANK NAME :	SBI
ACCOUNT NO :	62403680215
IFSC CODE :	SBIN0020149
BRANCH :	NIT WARANGAL

How to Apply:

Participants are required to fill the online registration form by clicking on the following link:

Registration Link:

Step 1: Register for the FDP: https://forms.gle/LkMAgLZRwGqsq9NQ8

Step 2: Join in WhatsApp Group:
https://chat.whatsapp.com/FdrVew9hJri7xlnWGsKOIp

Selection Criteria:

Selection will be done based on first-come-first-serve basis to a maximum number of 60 (sixty). Additionally, 10 participants from industry are allowed to participate. The list of selected participants will be intimated through e-mail. In case a candidate is not selected, the DD will be sent back. Candidates will be issued satisfactory certificates on successful completion of the course. Reservations are followed for selecting candidates as per GOI norms.

Important Dates:

Last Date (Application & DD)   : 25th Oct 2022
Selection List (by e-mail)   : 1st Nov 2022
Duration: 7th to 11th November 2022

It is requested to all the delegates, after completion of application form, all the payment details, screenshot of the payment and scanned application form has to be uploaded in the following online registration link.

Coordinators:

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