



ONLINE FACULTY DEVELOPMENT PROGRAMME ON



Data Intelligence and Computation

Organized by

CCE, NIT Warangal & Department of Master of Computer Application(MCA),
Regent Education and Research Foundation, Barrackpore (RERF-B)

January 4 – 8, 2022

11:30 AM - 1:00 PM & 3:00 PM - 4:30 PM

About the 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 programs in various specializations. All B. Tech and M. Tech programmes of NIT Warangal are NBA accredited.

Centre for Continuing Education (CCE) NIT Warangal:

This CCE of NIT Warangal organizes Continuing Education Programmes and Workshops in the frontier areas of Science, Engineering, Technology, Management, Humanities, Social Science and Socially relevant themes on self-financing basis in three different modes: (i) At NIT Warangal by NIT Warangal (ii) At NIT Warangal in collaboration with other organizations (iii) By NIT Warangal Faculty at the Host Organization/Institute.

Regent Education and Research Foundation, Barrackpore (RERF-B)

Regent Education and Research Foundation (RERF) Barrackpore, a NAAC accredited leading Engineering and Technology institute approved by AICTE and affiliated by Maulana Abul Kalam Azad University of Technology (MAKAUT) at Barrackpore the historical and industrial city of West Bengal. The institute was founded in 2009 by Regent Educational Trust with a vision to promote the technological and professional education of highest standards and to encourage research and training activities so that the students, conferred with the degree can not only meet the professional challenges but also all the challenges life has to offer. In this era of economic liberalization, globalization and technological super advancements our motto is to put quality education in the light of Swamiji's vision of spreading education throughout the society.

About the Course:

In the latest technology trend, organizations are looking for the intelligent automation tools to solve business challenges, increase productivity, efficiency, and accuracy which results in a benefit to the organization. The program is based on the assumption that we live in a world where the amount of data grows rapidly, but where the data also exposes more information. To keep up with this development, it is therefore necessary to equip ourselves with tools and techniques that dramatically speed up our interaction with increasingly complex data sources. The course will concentrate to learn about Data Intelligence, new AI/data science platform for managing complex data landscapes, building scalable, ML application Material Science, Geo Image Sensing and provisioning the entire data science process. The course is aimed mainly at data Intelligence enthusiasts but is also suitable for anyone interested in data Intelligence and innovation, focusing on the specific product capabilities for developing a data Intelligence scenario in an enterprise landscape.

Different Government/non-government organizations, educational institutes, and business entities around the globe persistently carryout experimentations, surveys, and analyses on numerous issues. As a result, a huge amount of intellectual resources (data, information, and/or knowledge) has been accumulated and stored in numerical, textual, graphical, audio, and video forms. In general, when we link and access such intellectual resources through the Internet, we call it "big data." The fact of the matter is that big data will serve as a source of decision-relevant information while making both formal and informal decisions.

To make participants aware that these data Intelligence need to be introduced in all branches of engineering to increase employable and also empower participants in these technologies by providing opportunity of learning.

Course Contents

- ❖ Statistics for Machine Learning
- ❖ Fundamentals of Machine Learning
- ❖ Foundation of Data Science
- ❖ Uncertain Optimization Technique
- ❖ Soft Computing
- ❖ Deep Learning
- ❖ Data Processing & Feature Engineering
- ❖ Popular Machine Learning Algorithms
- ❖ Machine Learning Application
- ❖ Implementation of Machine Learning Algorithms

Resource Persons:

Eminent faculties from IITs, NITs, Central Universities, Experts from Industries and Senior faculty members from different departments of NIT Warangal will deliver talks and conduct hands on sessions.

Who should Attend?

The Programme is open to Faculty members, Research scholars, PG students, UG students of all Engineering colleges and other allied disciplines in India.

Registration:

Registration fee is Rs.: 500/- for participant.

Registration fee may be remitted Online through NEFT to the Bank account given below. Proof of remittance of the requisite registration fee (with transaction number if online transaction) shall be uploaded in the [google form](#).

Account Name	Centre for Continuing Education, NITW
Bank Name	State Bank of India
A/C No.	62403680215 (Savings Account)
IFSC Code	SBIN0020149
Branch	NIT Warangal

How to Apply: Eligible candidates may apply by filling the following google form with payment proof on or before 3rd January, 2022.

<https://forms.gle/wCjYTaHCWqKAsdzi8> (Please Copy the link and paste in browser)

Course Coordinator from NITW

Dr. Sujit Das, Assistant Professor
Department of Computer Science and Engineering
NIT Warangal

Ph. 8536009758, Email: sujit.das@nitw.ac.in

Course Coordinator from RERF-B

Mr. Surajit Dan, Assistant Professor
Department of Master of Computer Application
Regent Education and Research Foundation, Barrackpore

Ph. 9476231201, Email: surajitd@regent.ac.in