

Centre for Continuing Education of NIT Warangal:

The Centre for Continuing Education 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.

About NIT Warangal:

National Institute of Technology Warangal, formerly known as Regional Engineering College was established in 1959. Over the years it has developed into a premier institute of higher learning and is ranked among the top technical education institutions in India. There are 13 Departments offering eight undergraduate and 32 post-graduate programmes besides doctoral programmes. About 5000 students across the country and about 500 international students study in the campus. It is a fully residential campus sprawling over 250 acres with excellent infrastructure, state of the art library, seminar halls, guest houses and laboratories.



Brief Profile of the Department of CS & E:

The Department of Computer Science & Engineering was established in the year 1991. The department offers high quality undergraduate, postgraduate and doctoral programs. The Department has a team of well experienced faculty, graduated from IIT's, NIT's, Central Universities and other premier Institutes of higher learning. The department provides state-of-art research facilities to generate knowledge and develop technologies in the thrust areas of Computer Science and Engineering.

Brief Profile of the Department of Biotechnology:

The Department of Biotechnology was established in the year 2006 with B.Tech in Biotechnology. It also offers doctoral program in Biotechnology. The Department has a team of well experienced faculty, graduated from IIT's, NIT's, Central Universities and other premier Institutes of higher learning. The department has sophisticated instruments and softwares to carry out research in biotechnology and bioinformatics.

For any query regarding this programme, please contact the Coordinators.

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Center for Continuing Education

Online Continuing Education Programme on "Current trends in Data Analytics through hands on Experience"

31st August – 4th September, 2020

Call for Registration and Participation

Coordinators

Dr. M. Sandhya
Dr. Perugu Shyam

Organized by

Department of CSE and
Department of Biotechnology

In association with the
Center for Continuing Education



Overview of the FDP:

Data analysis is important aspect to understand problems faced by an organization, and to explore data in meaningful ways. Data in itself is merely facts and figures. Data analysis organizes, interprets, structures and presents the data into useful information that provides context for the data. This context can then be used by decision-makers to take action with the aim of enhancing productivity. This FDP is aimed to bring out current trends of data analytics in various applications.

Objectives:

- To enable participants learn and conceptualize Data Analytics in various areas like biomedical, defense, e-commerce, education, healthcare, etc.
- To investigate theoretical and practical aspects of quantitative and qualitative data analysis.
- Effectively analyze problems and identify solutions for data analysis.
- Demonstrate knowledge of statistical data analysis techniques utilized in teaching practices decision making.
- Apply quantitative modelling and data analysis techniques to solve real world business problems.

Topics to be covered:

- ✦ Introduction to data analytics, Data Interpretation, importing and exporting data.
- ✦ Sampling methods for data analysis, data filtering, normalization of data.
- ✦ Tools to analyze data, Dimensions of data, Dimensionality reduction.
- ✦ Linear and Non-linear Regression Models
- ✦ Classification and Clustering, Predictive analysis, Medical data processing, analysis and feature selection.
- ✦ Recommendation Systems, Decision Analysis
- ✦ Supervised and Unsupervised learning
- ✦ Hands-on sessions are covered using Python Programming.

Resource Persons:

Eminent faculty from IITs, Central Universities, Industry and Senior Faculty from different departments of NIT Warangal, will deliver lectures and conduct hands on sessions.

Registration is open to: Faculty members in all disciplines of Engineering, Sciences, Mathematics, Life sciences, Management, Post Doctoral Fellows, Research Scholars, PG students, UG students who have an aptitude to work in the areas of data analytics .

How to Apply: Eligible candidates may apply by filling the following google form with payment proof on or before 24th August, 2020.

<https://forms.gle/G5hwP1VA1uXsQYReA>

Registration fee:

Category	Amount
Faculty, Post doctoral fellows , Research Scholars, PG students, UG students	Rs. 500 /-
Industry participants	Rs. 1000/-

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 Number	62403680215 (Savings Account)
Account Name	Center for Continuing Education NITW
Bank Name:	State Bank of India (SBI)
Branch:	NIT Warangal
IFSC Code:	SBIN0020149

Confirmation of Participation:

On receipt of the google form and fee remittance receipt, participants will be sent confirmation of their participation through email by 26th August, 2020. As the programme is conducted online with hands-on sessions, the number of participants in the workshop is limited to 100. *Candidates are advised to register early to avoid disappointment.*