

Teaching Learning Centre of NIT Warangal:

The Teaching-Learning Centre (TLC) is established at NIT Warangal with grants from the Ministry of Human Resource Development, Government of India under the scheme, 'Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching' (PMMMNTT). Under this scheme a separate building for TLC with the state-of-art training facilities which include a studio for video recording of lectures is going to come up. Many senior and young faculty members across various departments of the Institute are associated with this center as members of the Core-Team.

One of the important objectives of the center is to conduct short term and medium term training programs for Newly Inducted Teachers, In-Service Teachers and Teacher-Aspirants in Science and Engineering disciplines, so as to enhance their skills.

Other activities of the TLC include preparation of e-learning materials, offering courses on-line, curriculum development, carrying out research in pedagogy and integrating ICT into teaching-learning process.

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 workshop, please contact the Coordinators.

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Department of Biotechnology.

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Assistant Professor, Mobile: 9394468554

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Department of CS & E.

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**PMMMNTT
Scheme**



A Six Day Faculty Development Workshop on

“Teaching and Learning Practices of Data Analysis through Hands-on Experience.”

09th - 14th March, 2020

Call for Registration and Participation

Coordinators

Dr. Perugu Shyam

Dr. M. Sandhya

Dr. S. RaviChandra

**Organized by the
Department of CS & E and
Department of Biotechnology**

**In association with the
Teaching Learning Centre
National Institute of Technology
Warangal - 506 004, Telangana State**



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 effective teaching and learning practices of data analysis in various applications.

Objectives:

- To provide a platform to discuss the data science ecosystems which covers the need of data analysis in various areas like biomedical, defense, e-commerce, education 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 analysis, trends and research focus on data analysis
- ❖ Need of data analysis, Interpretation of data, importing and exporting data.
- ❖ Sampling methods for data analysis, filtering the data, normalization of data.
- ❖ Tools to analyze data, Statistical data analysis, Dimensions of data.
- ❖ Dimensionality reduction, Qualitative data analysis, quantitative data analysis.
- ❖ Linear and Non-linear Regression Models
- ❖ Classification and Clustering, Predictive analysis, Medical data processing, analysis and feature selection.
- ❖ Bottle necks in data analysis, Decision analysis.

Resource Persons:

Eminent faculty from IITs, Central Universities, ARCI, IICT and Senior Faculty from different departments of NIT Warangal, will deliver lectures, conduct workshop sessions and laboratory sessions.

Registration is open to:

Faculty members in all disciplines of Engineering, Science, Mathematics and working in the Institutions of higher education. Research Scholars, who have an aptitude to work in the areas of data analysis and desire to take up teaching profession as their career.

How to Apply:

Eligible candidates may apply by submitting the scanned copy of the filled in registration form along with the registration fee (attached with this mail/ brochure) by email to workshopatnitw@gmail.com on or before 4th March, 2020.

Registration fee:

Category	Local participants with lunch	Outstation Participants with accommodation breakfast, lunch, dinner
Faculty	Rs. 750/-	Rs. 1500/-
Research Scholars	Rs. 400/-	Rs. 800/-

(Working lunch will be provided for all the participants on all the days of the workshop)

Note: Registration fee for Faculty and Research Scholars of SC/ST category is half of the amounts mentioned above, as applicable.

Registration fee may be sent in the form of a DD or remitted through On-line/NEFT to the Bank account given below. Local participants may also pay the registration fee in cash to the Coordinator of the workshop. Scanned copy of the DD / Proof of remittance of the requisite registration fee (with transaction number if online transaction) shall be sent as attachment to the Email given above.

Account Name	DIRECTOR, RESEARCH ACCOUNT, NIT WARANGAL
Account Number	62266262236
Bank	State Bank of India (SBI)
Branch	NIT Warangal Campus
IFSC code	SBIN0020149

Confirmation of Participation:

On receipt of the registration form and fee remittance receipt, participants will be sent confirmation of their participation through email by 5th March 2020 As the programme is conducted in a workshop mode with hands-on sessions, the number of participants in the workshop is limited to 40. *Candidates are advised to register early to avoid disappointment.*



A Six-Day Faculty Development Workshop on
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Hands-on Experience**
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Organized by the
Department of Computer Science & Engineering
Department of Biotechnology
In Association with the
Teaching Learning Centre of NIT Warangal
Under the MHRD's P MMMNMTT Scheme

REGISTRATION FORM

Name : _____

Date of Birth : _____

Place of Birth: Village/Town/City: _____ District: _____

Tick as applicable (Rural / Urban): _____ State: _____

Aadhaar number: _____ Gender (Put a ✓ Mark) M F

Category (Tick as applicable) : **Open / OBC / SC / ST / PWD**

Qualification : _____

Designation : _____

Organization : _____

No. of Years of Teaching Experience: _____

Address for Correspondence : _____

Mobile(s): _____ E-mail(s): _____

Accommodation: Required Not Required

Payment Details (DD): Amount: _____ DD No.: _____

Date: _____ Bank: _____ Branch: _____

Declaration by the Applicant

If selected, I agree to abide by the rules and regulations of the workshop/ training programme and shall attend all the sessions.

** Kindly go through the brochure before making payment

Date:

Signature of the Applicant

Recommended and Forwarded

Office Seal

Signature of the Head of the Department / Institution