ICT IN ADVANCED MANUFACTURING ENGINEERING
(11th – 18st JUNE, 2022)

Organized by

E & ICT Academy and Department of Mechanical Engineering
NIT Warangal

(Sponsored by Ministry of Electronics and Information Technology (MeitY), GOI)

Preamble:

"Electronics & ICT Academy" was set up at NIT Warangal with financial assistance from MeitY, GOI. The role of academy is to offer faculty development programmes in emerging areas of Electronics, Information Communication Technologies; training & consultancy services for Industry; Curriculum development for Industry; CEP for working professionals; Advice and support for technical incubation and entrepreneurial activities. Under the umbrella of this academy, a standardized course namely 'ICT In Advanced Manufacturing Engineering' is proposed.

This course is suitable for faculty, researchers in academia and industry as well. The purpose of conducting this 6- day workshop is to provide the participant with precise theoretical and practical up to date exposition of Advanced Manufacturing Engineering. The programme provides an in-depth understanding to the teachers to teach and carrying out research in Advanced Manufacturing processing techniques using ICT tool for developing the new materials useful for the industrial applications.

Major Course Contents:

- ICT in Advanced Manufacturing process (AMP).
- Modelling, Simulation and Design of Experiments
- Advanced wielding Process
- Micro & Nano Manufacturing Process
- Laser Manufacturing Process & Surface Coating Techniques
- Condition Monitoring of Manufacturing Systems
- Cloud Manufacturing, Data Management and IOT in Advanced Manufacturing Engineering.
- Composite Material & Tribological characteristics
- Metal Additive Manufacturing
- Advanced Casting, Forming process
- Advanced Material Characteristics
- Nanomaterials and Nano lubricants
- Nano finishing Process
- Robotics & Its Applications
- Hands on experience on Advanced manufacturing software packages

Faculty conducting this programme:

The programme will be conducted by the faculty members from **NIT Warangal**. Experts in the concerned field from **DRDO, ARCI, BHEL** and **IIT** are invited to deliver lectures in the programme.

Eligibility:

The programme is open to the **Faculty and PhD scholars of Mechanical Engineering and allied disciplines** in Telangana, Andhra Pradesh, Karnataka states and Puducherry, Andaman and Nicobar Islands, Lakshadweep UTs. **Industry personnel** working in the concerned/allied discipline can also attend. Other states in India Mechanical Engineering and allied disciplines faculty also can apply.

Registration Fee Particulars:

Online Transfer Details	
Account Name: Electronics & ICT Academy NITW **Account No: 62423775910** **IFSC: SBIN0020149**	

Faculty and Research Scholars	**Rs. 500/-**
Industry Participants	**Rs. 1500/-**

How to apply:

A filled in form of application in the prescribed format duly signed and sponsored by appropriate authorities (along with demand draft) should reach the coordinator by speed-post. It is also mandatory to send scanned application form and demand draft through e-mail to vasu@nitw.ac.in, vasuapplepc@gmail.com as selection will be intimated only through mail.

Selection Criteria:

Selection will be done based on *first-cum-first-serve basis* and the confirmed candidates will be notified immediately. The maximum number of participants will be **50 (fifty)**. Additionally, 10 participants from industry are allowed to participate. The list of selected participants will be notified in the institute web site www.nitw.ac.in and also will be sent to their personal *e-mail* ids. In case a candidate is not selected, the demand draft will be returned. A test will be conducted at the end of the course. 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)	5/06/2022
Selection-list intimation by e-mail	09/06/2019
Duration of Program	11/06/2022 – 18/06/2022

About the Institute, Department & 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.

The department of Mechanical Engineering offers an UG program, seven PG programs and a Ph.D program as well. There are 39 qualified and experienced faculty in the department. The department has liaison with reputed industries and R&D organizations like NFTDC, BHEL, DMRL, DRDL, CMTI, etc. Presently the department is handling several R&D projects and consultancy works. The department has also been recognized as a QIP centre for M. Tech and Ph.D programs.

Warangal is known for its rich historical and cultural heritage. It is situated at a distance of 140Km. from Hyderabad. Warangal is well connected by rail and road. National Institute of Technology campus is 2 Km. away from Kazipet junction and 12Km. away from Warangal station

ONLINE FACULTY DEVELOPMENT PROGRAMME(FDP)
ON
ICT IN ADVANCED MANUFACTURING ENGINEERING
(11ᵗʰ – 18ˢᵗ JUNE, 2022)
Organized by
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1. Name:

2. Designation:

3. Institution:

4. Email:

5. Ph. No:

6. DD No: Bank: Date:

7. Amount:

8.   Address for Correspondence:

SPONSORSHIP CERTIFICATE

Dr. /Mr. /Ms. …………………………….....   is an employee of our Institute/Organization and is hereby sponsored to participate in the FDP on **"ICT in Advanced Manufacturing Engineering"**, sponsored by Electronics & ICT Academy during 11ᵗʰ – 18ᵗʰ March – 2022 at NIT Warangal.

Signature of Head of Institution
(with seal)

For more details about Electronics & ICT Academy, NIT, Warangal, please visit:
https://nitw.ac.in/eict

9. Educational Qualification:

10. Subjects taught so far:

11. No. of refresher courses/workshops attended:

12. Experience (in years):

13. Teaching: Research: Industry:

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 FDP and shall attend the course for the entire duration. I also undertake the responsibility to inform the Coordinator in case, I am unable to attend the course.

Signature of the Applicant
Submit Registration form and duly signed application to the following link
https://docs.google.com/forms/d/e/1FAIpQLSdEEBPpPmzSHdI2puCpPi_gLb5ADogU7Dx86mRVgF1Nf-iTzg/viewform?usp=sf_link

Coordinators

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