



ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP) ON

Machine Learning Applications in Mechanical Engineering (3rd - 14th February 2025)

Organised by

Electronics & ICT Academy, NITW Warangal

in association with

Department of Mechanical Engineering, SRGEC, Gudlavalleru, India.

Sponsored by

Ministry of Electronics and Information Technology (MeitY), GoI.



Preamble:

"Electronics & ICT Academy – Phase II" was set up at NIT Warangal with financial assistance from MeitY, GoI. This academy's role is to offer Faculty Development Programmes in standardized courses and 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.

About the FDP:

Artificial intelligence gives a machine the ability to imitate human behavior. Machine learning is the application of Artificial intelligence into a system or machine, which helps it self-learn and improve continually. Machine learning has found numerous applications in mechanical engineering, revolutionizing traditional methods and enabling more efficient, cost-effective, and innovative solutions. Machine learning is reshaping mechanical engineering by enabling smarter, data-driven decision-making. From design and production to maintenance and operation, its integration has led to increased efficiency, reduced costs, and improved product quality.

Major Course Content:

- Introduction to Machine Learning & its applications
- Mathematics of Machine learning
- Machine learning for materiality
- Real time case studies on improving the performance of manufacturing sector by machine learning models
- The arena of success in Manufacturing by ML
- Real time case studies on sensitizing industry 4.0 by machine learning models
- Hands on training on deploying Machine learning models for real time datasets of manufacturing enterprises in Google Colab notebook

Participants need to pay the Registration Fee Online using the following details

Online Transfer Details	
Account Name :	Electronics & ICT Academy NITW
Account No	62423775910
IFSC	: SBIN0020149
Bank and Branch:	State Bank of India, NIT(REC) Warangal

Faculty conducting this programme:

The programme will be conducted by the faculty members from NIT Warangal; Academicians in the concerned field from IITs/NITs are invited to deliver lectures in the programme. Speakers from industries are also expected to deliver as part of the course.

Registration Fee Particulars:

Faculty and Research Scholars	Rs.750/-
Industry Participants	Rs.2250/-

How to apply:

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

<https://tinyurl.com/m3utabes>

Selection Criteria:

Selection will be done based on first-come-first-serve basis. Candidates will be issued satisfactory certificates on successful completion of the course.

Important Dates:

Last date (Application)	30.01.2025
Selection List by E- mail	31.01.2025
Duration	03.02.2025 to 14.02.2025

About NITW Warangal:

National Institute of Technology, Warangal, is the first among 17 RECs set up as a 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 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.

About SRGEC:

Seshadri Rao Gudlavalleru Engineering College was established under the aegis of AANM & VVRSR Educational Society, Gudlavalleru, in 1998. The college is situated in Gudlavalleru, surrounded by lush green fields, providing aserene atmosphere to learners. The college offers B.Tech. programmes in nine branches of Engineering, viz, Civil, Electrical & Electronics, Mechanical, Electronics & Communication, Computer Science, Information Technology, Artificial Intelligence & Data Science, Internet of Things, and Artificial Intelligence and Machine Learning. It also offers PG programmes in Engineering (M.Tech.) and Management (MBA). The college is permanently affiliated with JNTUK, Kakinada, and obtained Autonomous status from U.G.C. in 2014. All the eligible UG Engineering Programmes are accredited by National Board of Accreditation (NBA), New Delhi under Tier-I. The College is accredited by NAAC, New Delhi.

Coordinators

Dr. G Venkatesh

Assistant Professor,
Do ME, NITW, Warangal,
Telangana - 506004
venkatesh@nitw.ac.in,
Phone: 7093901757

Dr.B.K.N.Srinivasarao

Assistant Professor,
Do ECE, NITW, Warangal,
Telangana - 506004
Srinu.bkn@nitw.ac.in
Phone: 9800296596

Dr. K. Ch. Kishor Kumar

Professor & Head,
Do ME, SRGEC
Gudlavalleru, -521356
Email:
kchkishorekumar2k@gmail.com
Ph. No: 9440576157