

# One Week Faculty Development Program on

## “Industry 4.0: The Application of Artificial Intelligence & Mechatronics”

20<sup>th</sup> – 24<sup>th</sup> January, 2020

Sponsored by:



Dr. A.P.J. Abdul Kalam Technical  
University, Lucknow, Uttar Pradesh, India  
Under the Aegis of TEQIP-III

Organized by:  
**miet**  
GROUP OF INSTITUTIONS

Department of Mechanical Engineering  
Meerut Institute of Engineering & Technology,  
N.H. 58, Delhi-Roorkee Highway, Baghpat  
Bypass Road Crossing, Meerut, U.P.-250005

### MIET, Meerut

Meerut Institute of Engineering & Technology (MIET), Meerut is dynamically growing Institute in the state of Uttar Pradesh, managed and governed under the auspicious and noble organization, “City Educational & Social Welfare Society, Meerut, Uttar Pradesh”. This institute is known for placement and academic excellence and is also a preferred destination for technical education of the region. Presently, MIET is flourishing under the leadership of Shri Vishnu Saran, a great visionary. Lucknow. We have about 5000 intelligent and hardworking students enrolled with us and about 450 highly qualified faculty members covering all major domains of Engineering, Pharmacy and Biotechnology.

### MECHANICAL @ MIET

Our Mechanical Engineering Department has about 40 highly qualified faculty and our students go through regular training programs as a part of academic curriculum and regular intensive training programs in industry oriented certified training centers at our campus, namely : FESTO industrial automation, BOSCH center for automotive excellence, SIEMENS PLC, HMI, Drives and SCADA, SAP University alliance program, and SIEMENS alliance for SOLIDEDGE, NX and NX CAM.

### INDUSTRY 4.0

Industry 4.0 refers to a new phase in the Industrial Revolution that focuses heavily on interconnectivity, automation, machine learning, and real-time data. Industry 4.0, also sometimes referred to as IoT or smart manufacturing, marries physical production and operations with smart digital technology, machine learning, and big data to create a more holistic and better connected ecosystem for companies that focus on manufacturing and supply chain management.

### Resource Persons

- **Dr. Hee Chang Lim**  
Professor, Pusan National University, South Korea
- **Dr. Mohd. Suhaib**  
Professor, Jamia Millia Islamia, New Delhi
- **Dr. Sameer Saraswati**  
Associate Professor, MNNIT Allahabad
- **Dr. Vinod Kumar**  
Associate Professor, TIET, Patiala
- **Dr. Ajinkya Tanksale**  
Assistant Professor-IIT(BHU), Varanasi
- **Dr. Vipul Mishra**  
Assistant Professor, Bennett University, Gr. Noida

### Expected Outcomes:

- An opportunity to explore the implications of Industry 4.0 in a globally connected supply chain.
- Understanding the nature and development of Artificial Intelligence in promoting transformative manufacturing.
- Implementation of mechatronics and automation for conventional manufacturing.
- Hands-on implementation of Machine Learning (ML) for manufacturing resource planning.
- Live training session on FESTO Industry 4.0 module.
- Generate realistic and workable ideas for Industry 4.0.

### Important Dates:

Registration Closes 17<sup>th</sup> January, 2020

Date of Event 20<sup>th</sup> – 24<sup>th</sup> January, 2020

For any further query please feel free to contact.

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Assistant Professor  
Department Of Mechanical Engineering  
Meerut Institute of Engineering & Technology,  
Mobile: 9411260409, 9354245127  
E-Mail: [naman.jain@miet.ac.in](mailto:naman.jain@miet.ac.in)

## Eligibility

The program targets full-time faculty of Mechanical Engineering and allied disciplines from constituent and affiliated Colleges/ Institutes of Dr. A.P.J. Abdul Kalam Technical University, Lucknow, having minimum of one year of teaching/research experience.

Participants are invited to register on first come first served basis.

## Topics Covered:

- Industry 4.0: Structure/New Paradigms/Challenges/Opportunities/Applications.
- Mechatronics, Industrial Automation, Robotics
- Supply Chain for Industry 4.0
- ERP for Industry 4.0
- Artificial Intelligence
- Machine Learning applications in Manufacturing

## For Registration

Participants are required to register\* their names by sending the softcopy of duly filled registration form to:

[gaurang.deep@miet.ac.in](mailto:gaurang.deep@miet.ac.in)  
[madhur.dubey@miet.ac.in](mailto:madhur.dubey@miet.ac.in)

*\*there is no registration fee*

## Accommodation & TA/ DA

- Accommodation will be provided to the participants at nominal charges upon prior request.
- No Travel /Daily allowances are applicable.

## Chief Patrons

- Dr. Vinay Kumar Pathak, Vice Chancellor, AKTU, Lucknow
- Mr. Vishnu Saran, Chairman, MIET, Meerut

## Patrons

- Shri Nand Lal Singh, Registrar, AKTU, Lucknow
- Dr. Mayank Garg, Director, MIET, Meerut

## Convener

- Prof. Dinesh Kumar, Associate Professor & Head, MED, MIET, Meerut

## Organizing Secretary

- Dr. Naman Jain, Assistant Professor, MED, MIET, Meerut

## Organizing Committee

- Dr. Y.M. Agarwal, Professor, Deptt. of Mechanical Engineering, MIET, Meerut
- Dr. Bhupendra Singh Chauhan, Professor, Deptt. of Mechanical Engineering, MIET, Meerut
- Dr. Siddharth Jain, Associate Professor, Deptt. of Mechanical Engineering, MIET, Meerut
- Dr. Tusar Jain, Associate Professor, Deptt. of Mechanical Engineering, MIET, Meerut
- Dr. Pardeep Kamboj, Associate Professor, Deptt. of Mechanical Engineering, MIET, Meerut
- Dr. Ansar Ali, Associate Professor, Deptt. of Mechanical Engineering, MIET, Meerut
- Dr. Saumya Shah, Assistant Professor, Deptt. of Mechanical Engineering, MIET, Meerut
- Dr. Kamal Singh Rawat, Assistant Professor, Deptt. of Mechanical Engineering, MIET, Meerut
- Dr. Awani Bhushan, Assistant Professor, Deptt. of Mechanical Engineering, MIET, Meerut
- Dr. Swapan Suman, Assistant Professor, Deptt. of Mechanical Engineering, MIET, Meerut
- Mr. Rahul Sharma, Assistant Professor, Deptt. of Mechanical Engineering, MIET, Meerut

## Registration Form:

**One Week  
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on**

**“Industry 4.0:  
The Application of Artificial Intelligence &  
Mechatronics”**

**20<sup>th</sup> – 24<sup>th</sup> January, 2020**

Name: .....

Qualification: .....

Department: .....

Organization: .....

Address for Correspondence:  
.....  
.....  
.....

Mobile: .....

Email: .....

Accommodation Required:   •Yes   •No

Declaration

I agree to abide by the rules and regulations of the FDP and shall attend the course for the entire duration.

Date :

.....  
Signature of the Applicant

Date :