



## One Day Online Webinar

on

### A Practical Approach on Industry 4.0 & It's Implementation in Smart Factories

**July 26, 2020**

**04.00 PM - 06.00 PM**

Organized by

**Department of Mechanical Engineering (Mechatronics)  
MAHATMA GANDHI INSTITUTE OF TECHNOLOGY  
Hyderabad-500075**

In Association with  
MTAB Technology Center, Chennai

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**Prof. K. Jaya Sankar**, Principal, MGIT

#### Convenors

**Dr. K. Sudhakar Reddy**, Professor & Head, MED, MGIT  
**Mr. B. Govinda Reddy**, Assistant Professor, MED, MGIT  
**Mr. S. Ajay Kumar**, Assistant Professor, MED, MGIT

#### Co-Convenors

**Mr. P. V. Prasad Reddy**, Assistant Professor, MED, MGIT  
**Mrs. K. Sirisha**, Assistant Professor, MED, MGIT  
**Mr. K. Santosh Kumar**, Assistant Professor, MED, MGIT  
**Mr. P. Shashidar**, Assistant Professor, MED, MGIT

## MGIT

Mahatma Gandhi Institute of Technology is one of the premier Engineering Colleges in the Self-Financing category in Telangana. MGIT is affiliated to Jawaharlal Nehru Technological University, Hyderabad. The institute has received accreditation for six UG programs three times from National Board of Accreditation, New Delhi and Institute is also accredited by NAAC with 'A' grade. The institute offers instruction in eight Undergraduate Programs (Computer Science, Information Technology, Electrical & Electronics, Electronics & Communication, Mechatronics, Metallurgical & Materials Engineering, Civil Engineering and Mechanical Engineering) and six PG programs. The institute has received MHRDs NIRF-2020 Ranking in the rank band : 201-250.

## About the Department

Department of Mechanical Engineering (Mechatronics) offers two courses in B. Tech. Mechatronics and Mechanical Engineering. Mechatronics is a very unique and emergent discipline was started with the inception of Mahatma Gandhi Institute of Technology (MGIT) in the year 1997, MGIT is the only institute in the state and in the country to have started for the first time such an innovative discipline of engineering. Mechatronics is an integrated technology involving synergetic consideration and fusion of concepts of Mechanical Engineering, Electronics, Electrical, Computer Science and Control Engineering with the key element being the integration of these areas through design process. Department also offers M.Tech course in Mechatronics.

The department has forty two well qualified faculty with good number of supporting staff and the department is endowed with adequate infrastructure facilities, beyond the prescribed norms with spacious and well-ventilated classrooms, drawing halls, tutorial halls and administrative space besides twelve well established independent laboratories including SCADA based Computer Aided Instrumentation and Control Systems lab, Advanced CAD/CAM lab, CNC Machines & Robotics lab, Kinematics and Dynamics lab, Machine Tools lab, Production Technology lab, Motion Control Design lab, all of them equipped with the state of art equipment. The department is also having advanced measurement equipment like FARO gage portable CMM and 3D printing Lab, the AICTE sanctioned a MODROBS project to the department for modernization of CNC & Robotics lab and also sanctioned grant in aid for organizing two week FDPs and one week STTP programs. UGC, TEQIP III by JNTUH and DRDO also sanctioned research projects to the department.

Students work with various clubs/ professional chapters like ASME, SAE, Robotics, ISTE, and Innovation Club. They showcase their potential knowledge in the form of development of product and organize various workshops/seminars/conferences. Indian National Academy of Engineers (INAE), New Delhi has awarded Best Innovative Undergraduate Projects at National Level in the area of Agricultural Robots during the Academic Years 2016-17 & 2018-19.

The UG program in Mechatronics was accredited thrice by National Board for Accreditation (NBA), New Delhi.

## Resource Person

**Name: Mr. Aravind Ramachandran**

**Designation: Senior Manager – Business**

**Development, Sales & Marketing**

**MTAB Technology Center, Chennai**



## About the webinar

- Webinar will focus on Industry 4.0 with digital Twin, its importance, application and relevance in today's environment and how the nature of education and skills is changing to support the need of the market.
- Introduction to Evolution of Industry 4.0
- Basics on Smart Factory Automation
- Digital Twin Concepts - Role of IoT in Industry 4.0
- How IOT is influencing training in various engineering disciplines.

**Faculty / Researchers / Industry Professionals / Students can participate**

Registration Link: <https://bit.ly/MGIT-MCT-WEBINAR-REGISTRATION>

Telegram Link: [https://t.me/webinar\\_ksrbgrsaksksmp14mct](https://t.me/webinar_ksrbgrsaksksmp14mct)

**No Registration Fee**

**Last Date for Registration: 25.07.2020 (UP TO 06.00 P.M)**

- E-Certificate will be issued to all the participants who will attend the session completely and submission of feedback form.

## Contact Details

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