

ABOUT THE FDP

This Faculty development programme is conducted to enhance & update the knowledge of Faculty in the area of Industry 4.0 / 5.0 and its effect on the Manufacturing World. Industry 5.0, also known as the Fifth Industrial Revolution, is a new and emerging phase of industrialization that sees humans working alongside advanced technology and AI-powered robots to enhance workplace processes. This is coupled with a more human-centric focus as well as increased resilience and an improved focus on sustainability. Encompassing more than just manufacturing, this new phase builds upon the fourth industrial revolution (Industry 4.0) and is enabled by developments in I.T. that include facets such as artificial intelligence, automation, big data analytics, the Internet of Things (IoT), machine learning, robotics, smart systems and virtualization. The goal of this FDP is to bring together experts for this unique area to give an overview of the state-of-the-art and to present new research results and prospects of the future development in this field.

Registration link:

<https://forms.gle/TLNXKFN76EgpQytC7>

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A TWO-WEEK ONLINE FDP ON

“INDUSTRY 4.0/5.0”

(15.04.2024 TO 27.04.2024)

SPONSORED BY

**SIDDHARTHA ACADEMY OF GENERAL AND TECHNICAL
EDUCATION**



DEPARTMENT OF MECHANICAL ENGINEERING

**PVP SIDDHARTHA INSTITUTE OF TECHNOLOGY
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ABOUT THE INSTITUTE

Prasad V Potluri Siddhartha Institute of Technology is established in 1998 with a great vision of producing quality technocrats, the college achieved its dream through meticulous planning of the administrators and the strenuous effort of the faculty. The Institution has attained success in creating the zeal for learning in the students. It is permanently affiliated to Jawaharlal Nehru Technological University, Kakinada. As a result of its concentrated efforts to attain quality, it is conferred Autonomous status in 2012. Certified by ISO 9001:2015, the college is accredited by National Assessment and Accreditation Council with A+ grade and also by the National Board of Accreditation (CSE, IT, EEE, ECE, ME, CE).

ABOUT THE DEPARTMENT

The department of Mechanical Engineering has been in existence ever since the college has been started in 1998. The department is accredited by the National Board of Accreditation in 2019 & 2022 in Tier-I and recognized as research center by JNTUK. The annual intake of the students is 60 in undergraduate course and faculty consists of 4 professors, 4 Associate Professors, 22 Assistant Professors. The department is equipped with the equipment of worth approximately Rs.3.5 crores in a total area of 6127 Sq. Mts. The department of ME is also offering 2 year M. Tech course under JNTUK, Kakinada.



CONTACT

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Topics covered

- Human-Centric approach
- Resilience
- Automation
- Smart design and manufacturing
- Advanced material processing
- Artificial intelligence in industry 5.0
- Internet of things
- Cyber security in industry 5.0
- Robotics
- Supply chain management
- Cloud computing
- Industrial Internet of things (IIOT)

Resource persons

Resource persons include Experts from IIT's, NIT's and Industries.

Eligibility for Participation

The training program is open to UG/PG students, PhD scholars, faculty from relevant engineering disciplines and industry professionals. The programme will be conducted online and a certificate will be provided to all the participants who attend the programme. Attendance is mandatory for all sessions.