

About the Institution

Geethanjali Institute of Science and Technology, is providing quality Engineering and Technical Education to the rural and under privileged sections on par with the creamy layer of the society. The College is well connected by road with NH5 at 3 KM and located 500 meters away from the Bombay Highway at Gangavaram (V), Kovur (M), Nellore District, Andhra Pradesh.

Since its inception in 2008, the Institute has established highest academic standards in technical education, to emerge as a premier Institution in the district. The Institute offers 8 Undergraduate B.tech and 5 Diploma programs in Engineering. This Institute is approved by AICTE, Accredited with grade 'A' by NAAC and NBA (B.Tech: ECE, EEE & ME).

The college has attained Autonomous status approved by UGC and JNTUA, Ananthapur. Also, the Institute is recognized under 2(f) & 12 (B) of UGC.

Chief Patron

Prof. G. Ranga Janardhana Hon'ble
Vice-Chancellor, JNTUA,
Ananthapuramu.

Patrons

Prof. M. Vijaya Kumar
Rector, JNTUA, Ananthapuramu.

Prof. C. Sashidhar
Registrar, JNTUA Ananthapuramu.

Chair person

Dr. Sundeep Kumar. K
Principal, GIST, Nellore.

Program Director

Prof. B. Eswara Reddy
Director,
Faculty Development Cell, JNTUA
& Secretary, ISTE AP Section.

Program Convenors

Dr. T. Ravikumar, HoD/EEE/GIST.
Dr. P. Kumar Babu, HoD/ME/GIST

Program Coordinators

Mr. Murali Dasari
Associate professor/EEE/GIST

Mr. V. Naresh Babu
Assistant Professor/ME/GIST

Mr. K. V. Ravindra
Assistant Professor/EEE/GIST

Mr. N. Jashuva
Assistant Professor/ ME/GIST

A Five-Day Faculty Development Program on "Recent Trends in Robotics and Automation" 08th to 12th, January 2024



Organized by
**Department of Electrical & Electronics
Engineering**
&
Department of Mechanical Engineering
Geethanjali Institute of Science and
Technology, Nellore.



&

Faculty Development Cell
Jawaharlal Nehru Technological
University, Anantapur.



In Association with

ISTE AP Section



Resource Persons

- 1. Dr. V. Venugopal Reddy**
Professor and Head
Dept. of Mechanical Engineering,
JNTUCEP, Pulivendhula.
- 2. Dr. E. Anil Kumar**
Professor in Department of Mechanical
Engineering,
Indian Institute of Technology,
Tirupati, Andhra Pradesh.
- 3. Dr. Ganala Santhoshi**
Professor, Department of CSE,
VIT, Chennai
- 4. Dr. Dogga Raveendhra**
Assistant Professor, MNNIT
Allahabad.
- 5. Dr. B.K.C. Ganesh**
MD, Robo-IOT Solutions, Tirupati.
- 6. Mr. Malla Praveen**
Managing Director, Robocoupler,
Visakhapatnam.
- 7. Dr. Yogesh Vijay Hote**
Professor, IITR, Roorkee.
- 8. Dr. R. Giri**
Professor and Head
Department of Robotics and
Automation, Rajalakshmi
Engineering College, Chennai .
- 9. Mr. T. Srikanth**
Engineering Manager(AIML),
Frame works, Chengalpattu,
Tamilnadu.
- 10. Dr. Pradeep Kumar Yemula**
Associate Professor
EE Dept., IITH, Hyderabad.

About FDP

The progress in robotics and vision applications is massive and wide spread from Industrial automation to defense applications. These fields contribute significantly on future intelligent systems in industry and society. Since next generation Industries need engineers with an Interdisciplinary attitude and experience to meet the future demands, this FDP is aimed to explore the potential areas and the significance in the fields of robotics and automation, It has been planned to offer the participants, a comprehensive approach for the development in robotics and automation such as advanced controller design, Automation, Trajectory optimization and programming etc.

Session Topics

- Past, Present and Future of Robotics (Researcher point of View)
- Robot Dynamics & Kinematics
- DSP based Hierarchical Controller for Robotic Arm Controller
- Modelling and Simulation Techniques for Dynamic Robotic Systems
- Trajectory Optimization for Robotics Using AI
- Modelling and control of Robotic Manipulators.
- Robotic Programming using Adenoid Software
- Robotic Actuators with practical session with a Humanoid Robot

Prerequisite

Knowledge of AI and Robotics is preferable for hands on training.

Targeted Faculty

Teaching faculty of constituent and affiliated colleges of JNTUA.

Performance Evaluation

Every module includes a hands-on Performance evaluation. Successful Participants will be awarded with Certificates.

Registration

For Registration, please scan QR Code (or) use Registration Link:

<https://forms.gle/v57oqMkwqZ17FECBA>



- **No Registration Fee.**
- Number of Registrations limited to 30.
- Participants will be selected on a first come first serve basis.
- A maximum of three participants can be allowed from a college.
- **Selected participants should carry Laptops.**
- Accommodation will be provided for outstation participants.

Organizing Members

Dr. TNVLN Kumar/Professor/EEE

Mr. M. Mahendra Babu/ Associate Professor/ME

Mr. S. Sridhar/Associate Professor/EEE

Ms. G. Vasundara/Assistant Professor/ EEE

Mr. Sk. Rahmath Basha/Assistant Professor/ ME

Mr. G. Seenaiah /Assistant Professor/EEE

Mr. Rohan Satya Sai/ Assistant Professor/ME

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Venue

New Seminar Hall,

Geethanjali Institute of Science and
Technology, Nellore.