

One Week Online FDP
On
Advances and Futuristic Trends in Mechanical
Engineering
(AFTME)

19th to 24th Dec. 2022



Organized by

DEPARTMENT OF
MECHANICAL ENGINEERING

Convener

Dr. D. Santha Rao
Professor & HOD-ME

Coordinator (S)

Dr. E. Nirmala Devi, Associate Professor, Dept. of M.E.
Mr. B. Joga Rao, Associate Professor, Dept. of M.E.



Godavari Institute of Engineering & Technology

(Autonomous)

NH-16, Chaitanya knowledge city,
Rajanagaram, Rajamahendravaram, A.P.,
India - 533296

About the Institution

Godavari Institute of Engineering & Technology (A) was established in 1998 to offer engineering education of world-class standards. Over the years, the college has come to a long way to gain a place of repute and preferred destination for quality engineering education. It is Located in the serene and sylvan suburbs of Chaitanya Knowledge City, Rajamahendravaram, the sprawling 300-acre campus which reflects the finest educational facilities and widely spread buildings and sophisticated labs set amidst idyllic setting and ensures a most congenial atmosphere for scholastic pursuit in right earnest. This institution has autonomous status from 2014-15 onwards, ranked with NIRF in three consecutive years in the band of 200 - 250 and NAAC- A⁺ grade accreditation. The institution is offering 11 UG programs with an intake of 1020 students and also offers M .Tech, MBA & MCA courses. The Institute has recognized research centers by JNTU- Kakinada. The institution has established Center of Excellence for Skill Development through MOU with Govt. of A.P with several reputed organizations such as Advanced Applied Robotic Control (ARC), AVEVA, DASSAULT SYSTEMS, HEBEON, Technologies, SIEMENS, VENTURE Development Center and VIRTUSA.

The institution has PIO status and students are admitted from various foreign countries in addition to students from different states of India.

About the Department

The Department of Mechanical Engineering has started from the inception of the Institute with highly qualified faculty members and technical staff. The department is offering U.G and P.G programs with 600 + students. The department has research centre recognized by JNTUK and offering doctoral program. The department has 14 instructional and research laboratories equipped with state-of-art facilities including advanced software like ANSYS and CATIA. The students are encouraged to take contemporary problems faced by industries and society. The students are encouraged in innovative thinking to develop appropriate technological solutions for fabrication of components and products.

About the FDP

The industries and organizations such as automobile, aerospace, ship building, additive manufacturing, Renewable energy sources, etc. are using new trends in their manufacturing with latest designs for their products. The organizations are working continuously and striving for optimum design of their products as technology is changing rapidly for producing cost effective products and satisfy the customer needs. The world class industries trying to grab the global market with cost- effective products.

The main objective of the FDP is to train the faculty and researchers in the important areas of industrial relevance through academic and industrial experts. It also provides comprehensive idea of new industrial practices and makes them adapt to their academic curriculum. It is a right platform to share their views with researchers, academicians and industry.

Focus will be on the following research areas

- Solar thermal energy utilization for essential oil distillation and desalination
- Nano Technology Applications for Water Purification and Wastewater Treatment
- Applications of fiber optic sensors
- Industrial Internet of Things (IIoT) for advances in Mechanical Engineering
- Air Conditioning
- Thermodynamics behind the Thermal Management of Electric Vehicles
- Additive Manufacturing Technologies: An overview about 3D & 4D Printing methods.
- An overview on research possibilities in advanced material removal processes.
- Manufacturing activities of new ship construction and ship repairs
- Design for Additive Manufacturing

Chief Patrons

Sri. K.V.V. Sataynarayana Raju

Chairman, Chaitanya group of institutions

Sri. K. Sasi Kiran Varma

Vice Chairman, Chaitanya group of institutions

Smt. K. Lakshmi Sasi Varma

Executive Director, Chaitanya Group of Institutions

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General Manger, GIET Group of Institutions

Dr. T.V.Prasad,

Director, QA, GIET Group of Institutions

Co – Patron

Dr. P.M.M.S.Sarma, *Principal*

Convener

Dr. D. Santha Rao, *HoD, Dept. of M.E.*

Coordinators

Dr. E. Nirmala Devi, *Associate Professor, Dept. of M.E.*

Mr. B. Joga Rao, *Associate Professor, Dept. of M.E.*

Organizing Committee

Dr. M. Sreenivasa Rao, *Professor, Dean FED.*

Dr. T. Jayananda Kumar, *Professor, Dean AA*

Dr. G. Rama krishna , *Associate Prof, Dept. of M.E.*

Dr. Tankeswara Prasad, *Assistant Prof, Dept. of M.E*

Mr. B. Verraju, *Associate Prof, Dept. of M.E*

Mr. M. Kedarnadh , *Associate Prof, Dept. of M.E.*

Mr. A. Babji, *Asst. Prof, Dept. of M.E.*

Mr. D. Suman , *Associate Prof, Dept. of M.E.*

Mr. M. Bala Krishna , *Associate Prof, Dept. of M.E.*

Mr. K. Sreenivasa Reddy, *Asst. Prof, Dept. of M.E.*

Mr. Sk. Nayeem, *Asst. Prof, Dept. of M.E.*

Mr. P. V. V. S. Maneendra, *Asst. Prof, Dept. of M.E.*

Mrs. K. Gowthami, *Asst. Prof, Dept. of M.E.*

Resource Persons

The experts are from reputed national and international academic institutions and professional leading industries. The details of the resource persons are as follows

Dr. M. Achuttan

Prof. Dept. of M.E & I.E, NUS&T, OMAN

Dr. Parimal Sharad Bhambare

Prof. Dept. of M.E & I.E, NUS&T, OMAN

Dr. Lakkim Setty Nageswara Rao

Professor, Dept. of M.E, NUS&T, OMAN

Dr. Saidi Reddy Parne

Associate Professor, Dept. of Applied Sciences, NIT, GOA,

Dr. Midhun Chakkaravarthy Janarthanan

Assistant Professor, Faculty of Computer Science & Muultimedia, Lincoln University College, MALAYSIA

Dr. Ch. Neelima Devi

HOD, Dept. of M.E, JNTU, VIJAYANAGARAM.

Dr M. Sreekanth

Associate Professor, School of Mechanical Sciences, VIT, CHENNAI

Dr. N. Raghu Kiran

Assistant Professor, School of Mechanical Sciences, VIT, CHENNAI

Dr. D. Anil Kumar

HOD, Dept. of M.E, Jazan University, UAE

Dr. M. P. Chakravarthi

Manager, Hindustan Ship Yard, VISHAKHAPATNAM

About RegistrationFor Online Faculty Development Program

- No registration fee
- Registration is mandatory for all participants

E- Certificate will be issued to all the participants who actively participate and involve in all sessions.

As the number of seats are limited to 200. The interested participants are requested to send E- mail well in advance. The confirmation will be sent to the participant's registered mail ID based on first come first serve basis.

Eligibility

The FDP is open to researchers (full time/part time) and faculty of Mechanical, Automobile, Production and Metallurgical Engineering Departments from AICTE recognized Institutions, members from Industry and R&D Institutions.

How to Apply

Directly click on the link given below and enter all the details mentioned in the Google form.

<https://forms.gle/zNWioqvLKovCjy1r5>

Last Date to Register: 17th December 2022