

## THE INSTITUTE:

Narsimha Reddy Engineering College (NRCM) is promoted & managed under the inspiring & dynamic Chairmanship of Sri. J. Narsimha Reddy and a fleet of dedicated members. This is the only institution sponsored by JAKKULA EDUCATIONAL SOCIETY was established in 2007. This institution is developed strictly by the provisions of governing rules & regulations of the approving bodies

We, at NRCM, aspire to establish a system of quality assurance through continuous evaluation and monitoring the quality of education and training imparted at the institute. We strive for improvising teaching-learning process to make NRCM the centre of Excellence.

## THE DEPARTMENT:

Department of Mechanical Engineering was started in 2009 to impart mechanical skills of the highest quality to the blooming engineers. The department undertakes a powerful multi-step teaching process that threads together the latent expertise and the talents of the students and weaves out the finest mechanical engineers. The strength of the department lies in its highly qualified and expert faculty besides its excellent non-teaching staff. To complement this is the presence of the diligent students who epitomize enthusiasm and devotion. Thus, it has been firmly resolved to keep up with the modern-day trends and in the process produce erudite and conscientious engineers.

## About FDP:

A CAD model can quickly realistically display an engineer's ideas. And once an engineer has developed a model in CAD representing an idea, the idea can be shared much more easily with a wider audience.

This FDP is aiming how computers are being used in Mechanical component design and automating a number of tasks a designer is performing in particular the modelling of the product.

Computer-Aided Design program will impart knowledge of how to design within a virtual environment and develop analytical, visualization and presentation skills as well as a working knowledge of design principles.

MATLAB and Simulink are widely used across industries for research and product development, so researchers can apply their research to interesting and challenging real-world examples. The example of MATLAB application in mechanical engineering domain is plenty Like Model-Based Design, Automobile control, Robotics, aerospace, mechatronics, Power train etc

## Timings:

Session I: 9.30AM to 11.00AM

Session II: 11.30AM to 01.00PM

Session III: 02.00PM to 03.30PM

## Register Here



Or

[click here to register](#)

Registration limited to 100 members.  
First preference will be given to ISTE Members.

NO REGISTRATION FEE

FOR ANY QUERIES CONTACT @  
[hodmednrcm@gmail.com](mailto:hodmednrcm@gmail.com)



your roots to success...



# AICTE-ISTE sponsored online Faculty Development Programme on CAD Modelling and MAT Lab Programming

23<sup>rd</sup> February - 01<sup>st</sup> March 2021



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## NARSIMHA REDDY ENGINEERING COLLEGE

(Approved by AICTE, permanently Affiliated To JNTU, Hyderabad) Maisammaguda(V), Dhulapally,  
Medchal(Dist), Telangana - 500100



# Programme overview:

## Day 1:

- Introduction & Goal of the training Program
- Introduction to CAD/CAE/CAM/D/PLM/ Mechatronics/ Robotics/ AR/ AI/ IOT & Various Softwares available
- Software application in designing and Manufacturing Life cycle.
- Introduction to CAD & Solidworks GUI

## Day 2:

- Solid Modelling Concepts
- Modelling Techniques with best practices
- Editing or Modifying Solid Models

## Day 3:

- Solid Modeling Exercises
- Concepts on Surface Modelling

## Day 4:

- Understanding Assembly Design
- Assembly Interface Checks
- Assembly Configuration

## Day 5:

- Creation of Quick Drawing
- 3D Drawing
- Detailed Drawing

## Day 6:

### • Demonstration Exercises

- Plastics (Core-Cavity)/ Castings, Sheet Metal, Piping/ Routing
- Harness, Static & Modal Analysis
- Sheet Metal Calculation
- Fabrication parts modelling
- Overview of DFM/DFA/ DFS

## Resource Persons:

- **Mr. Nishadulla Hussain Syed**  
Sr. Project Manager
- **Mr. Pramod Butty**  
Sr. Project Manager
- **Mr. Sivannarayana Vanipenta**  
Project Manager
- **Dr. Sayanti Chatterjee**  
Professor, NRCM

## Special Session:

- **Mr. M. Nagaraju,**  
M A., M Ed., PGDTE  
Life Member of Lions Clubs International

## CHIEF PATRON

**Shri J Narsimha Reddy**  
Chairman

## PATRONS

**Shri J Thrishul Reddy**  
Secretary

**Shri J Thrilok Reddy**  
Treasurer

## ORGANIZING CHAIR

**Dr. P. Sekhar Babu**  
Principal, NRCM

## CONVENER

**Mr. G. Satish Kumar**  
HoD, MED, NRCM

## COORDINATOR

**Mrs. T. Anuradha**  
Assistant Professor, MED

## CO-COORDINATORS

**Mrs. D. Krishna veni**  
Assistant Professor, MED

**Mr. R. Sai Syam**  
Assistant Professor, MED

