

**A Five day Short Term
Course on
“IoT in Manufacturing”
During
6th – 10th January - 2020**

REGISTRATION FORM

Name: _____

Designation: _ _____

Mobile No.: _____

College Name: _____

E-Mail: _____

Experience: _____

Area of Research: _____

Accommodation required: Yes/No

DECLARATION

The information provided above is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the STC.

Signature of the Applicant

Date:

Place:

Note: Registration is limited to 50 members only on first-cum-first serve basis. Lunch and snacks will be provided. Send the scan copy of Registration form to

mecchod@nrtec.ac.in

Any queries contact: +91-9692464540

ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited ‘A’ Grade by NAAC, Accredited Thrice by NBA and ISO 9001: 2008 certified. The institute got awarded ‘AAA’ Ranking by CAREERS 360. NEC is announced as ‘AUTONOMOUS’ in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college management has an MOU with Oracle University (USA). NEC is the first Engineering College in A.P. to sign MOU with a Foreign University. The college has AP CM Excellence centre, AI&ML centre and MSME centre. The college offers six M.Tech programmes, Two PG courses of MCA, MBA and five courses at B.Tech level in the branches EEE, CSE, ECE, ME and CIVIL. The college has well equipped laboratories including 1000 computers with a bandwidth of 100 MBPS internet. Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps, 50 Cloud Apps and 100 Windows Apps are uploaded every year.

In order to build a vibrant entrepreneurship ecosystem institute has MoU with TIE Hyderabad. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany. The college has Dassault Systems 3D Experience Lab, Established in Collaboration with APSSDC. AP CM’s Skill Excellence Center is also established to provide students access to the most advanced courses by industry giants. The college has Institution Innovation Council approved by MHRD-IIC. The college is a member of Internshala-Internship Partner. The college has MOU with New Mexico State University, USA, which enables student and faculty exchange programs.

Narasaraopet is known as the gateway of Palnadu. Narasaraopet is a town in Guntur district and is on the railway line of Guntur to Guntakal. Narasaraopet is 50 Km from Guntur and 25 Km from Chilakaluripet (NH5) by road. Narasaraopet is 120 Km away from Vijayawada Airport. Kotappakonda is the site of major religious pilgrim place of Lord Siva which is located 5 Km from NEC.

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Organized
By

**Department of
Mechanical Engineering**



Kotappakonda Road, Yellamanda (P.O)
Narasaraopet – 522601, Guntur District, A.P.
Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada,
Accredited ‘A’ Grade by NAAC, Accredited Twice by NBA,
Recognized R&D center by JNTUK,
ISO 9001: 2008 Certified.

Phone : 08647-239923

FAX : 08647-239902

E-Mail : mecchod@nrtec.ac.in

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering was established in the year 2002 with an intake of 60 students and in course of time it has increased to 180. The department offers UG and PG programs. PG programs are being offered in specialization of Machine Design and Thermal Engineering. The department is recognized as research and development center by JNTUK, Kakinada. The department has excellent infrastructure like E class rooms, AC seminar hall and is well equipped with modern laboratories. Department has equipment beyond curriculum like stir casting machine, 3D printer, Fatigue testing machine, Five gas analyzer, Ultrasonicator, Tool makers microscope, magnetic particle tester etc. The department has highly qualified, experienced, dedicated faculty with industry and research background. The department has received funding from different agencies like UGC, AICTE towards MODOROBBS, FDP etc. Department has RTA, Government of AP approved pollution test centre. Department frequently organizes guest lectures, industrial visits, workshops, training programs and provide internships for betterment of students.

ABOUT SHORT TERM COURSE

This course will enable the students to understand the transformation taking place, throughout the world, in design and manufacturing of products through IoT - a shift from paper-based processes to digital processes in the manufacturing industry. It will introduce the hands on implementation of smart connected systems design using Internet of Things, Cloud storage and industrial automation. **Students** can able to design the smart connected systems and can apply the appropriate technologies and protocols in their design and automation.

Programme objectives

- Introduction to Microcontrollers and Sensors.
- I/O control interface programming.
- Communication protocol implementation and testing using Microcontroller
- Configuring Wired/Wireless network interface to Microcontroller and programming.
- Configuring cloud database management and accessing.
- Sensors, Gateway and Cloud interface.
- Data analysis from cloud and reporting.

WHOM TO ATTEND

- Faculty from all disciplines

RESOURCE PERSON

Dr.B.S.Pabla, NITTTR -Kolkata.

Dr.S.S.Dhami, NITTTR –Kolkata.

&

Team of faculty from IIT's & NITs



Chief Patron

Sri M.S. Chakravarthi

B.Tech, MS (USA), Exec-MBA (ISB)
Vice - Chairman, NEC Group

Patrons

Sri M.V. Koteswara Rao

B.Sc.,
Chairman, NEC Group

Sri M. Ramesh Babu

Secretary, NEC Group

Co-Patron

Dr. M. Sreenivasa Kumar

M.Tech, Ph.D (UK), M.I.S.T.E, FIE (I)
Principal

Conveners

Dr. D. Suneel

Dean (Acad.) & HOD, Dept. of Mech.

Dr. S.B.Venkata Siva

Professor, Dept. of Mech.

ORGANIZING COMMITTEE

Dr. D. Jagadish	Mr.P.SreenivasaRao
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