

About NIT Warangal

National Institute of Technology Warangal, formerly known as Regional Engineering College, was established in 1959. Over the years, it has developed into a premier institute of higher learning. It is ranked among India's top technical education institutions. 13 Departments are offering eight undergraduate and 32 post-graduate programs besides doctoral programs. About 5000 students across the country and about 500 international students study on the campus. It is a fully residential campus sprawling over 250 acres with excellent infrastructure, state of an art library, seminar halls, guest house and laboratory.

About Center for Continuing Education

The Center for Continuing Education NIT Warangal organizes FDPs/Training programs/ Seminars/ Workshops etc., in the frontier areas of Science, Engineering, Technology, Management, Humanities, Social Science, and Socially relevant themes on a self-financing basis in three different modes: (i) At NIT Warangal (ii) At NIT Warangal in collaboration with other organizations/ Engineering Colleges / Institutes (iii) By NIT Warangal Faculty at the Host Organization/Institute.

About Saveetha Engineering College(Autonomous)

Saveetha Engineering College (SEC) was established in 2001 by the Founder, Chairman Dr N. M. Veeraiyan, a committed and dedicated Medical Professional. SEC has a total strength of 4349 students in 13 UG courses, 8 PG Courses, including MBA and Doctoral programs (PhD) in five Departments. National Board of Accreditation NBA has Accredited 5 UG courses. SEC is ranked 96 by National Institute Ranking Framework (NIRF) for the academic year 2017-18 among all IITs, Central, State and Private Institutions in India. Saveetha Engineering College is awarded 'A' GRADE with a high score of 3.19 on a scale of 4 by the National Assessment and Accreditation Council (NAAC) for 5 Years. SEC is awarded AUTONOMOUS status by the UGC from 2019-2020. SEC is recognized as a Scientific and Industrial Research Organization (SIRO) by the Department of Scientific and Industrial Research (DSIR), Government of India; Five Research Centres recognized by Anna University; and signed about 180 MoU's with Reputed Academic Institutions in India and Abroad.

About the Department

With Activity Based Learning as the driving motto, the Department of Artificial Intelligence and Data Science (AI & DS) was established in 2020 with an intake of 60 students. Currently, 120 students are admitted in the year 2021. Furthermore, B.Tech., Artificial Intelligence and Machine Learning (AI & ML) was initiated in 2021 with 60 students' intake. Both are four-year full-time undergraduate programmes recognized by the All India Council for Technical Education (AICTE). The departments have a team of dedicated and experienced faculty members to train the students through world-class infrastructure, comprehensive hands-on experience and researching the field of AI, DS, and ML. Research laboratories in the department include Augmented Reality / Virtual Reality Lab, Machine Learning Lab, Industrial Robotics Lab, Mobile Robotics Lab and 3D Printing Lab.

Course Objectives

Upon completion of the training programme, the participants can understand

- To impart the knowledge of Deep Learning with IoT, and its tools and techniques.
- To explore the research Opportunities of Deep Learning with IoT.
- Be able to design and implement various Deep Learning algorithms with IoT.
- Upon the completion of the training programme the participants/trainee can understand/ gain knowledge insolving the real world problems in AI Machine learning anddeep learning applications.
- Latest tools and techniques in AI Machine learning anddeep learning.
- Research oriented problem solving in AI machine learning and deep learning.

Course Content

Programme aims in understanding the following

- Basics of AI, ML and DL, Supervised and unsupervised Algorithms.
- Working with data preprocessing and data visualization Using python.
- Supervised learning like regression, Unsupervised Machine Learning algorithms like SVM, KNN etc.
- Deep learning techniques like single and multi-layer Perceptron, LSTM.
- Introduction to AI, machine learning tools and techniques, Simple and multiple linear regression.
- Neural networks and multilayer perceptron, Back Propagation CNN applications.
- Heuristic and meta-heuristic techniques in AI.
- Advanced research applications in Machine and deep Learning

Expected Outcomes

At the end of CCE, Participants will be able to

- Gain a good understanding of fundamental concepts,Real time challenges and recent advancements of Artificial Intelligence and Machine Learning.
- Faculty & Research Scholars can identify research problems that might help in implementing real worldapplications.

Resource Person

The Sessions will be handled by the experts From IITs/NITs/Central University.

Who should attend ?

The Programme is open to all Faculty/Research Scholars/ Industry Professionals/PG Degree/Polytechnic and other eligible students can register the course.

How to Apply

Registration Fee: Rs. 500 | 5 Days | Time Slot: 04.30 – 07.30 PM

Interested candidates can apply online by clicking below link/QR CODE

LINK: <https://forms.gle/Xn58NBA5gqfPa9qt5>

Last Day for Registration: 27th March 2022



Bank Account Details

**Account Name: CCE NITW,
BANK NAME: SBI,
ACCOUNT NO: 62403680215,
IFSC CODE: SBIN0020149,
BRANCH: NIT WARANGAL.**

The interested individuals may register on the first come first serve basis. Since, this is open for all Indian participants; the seats are limited only. Participants will get E-certificate upon completion of the course.(Confirmation mails will be sent to the selected participants before two days of the commencement of the FDP.

Once registration is done your selection/participation is confirmed.

Coordinators

Dr. RajuBhukya, Assistant Professor,

Incharge CCE & Coordinator, Department of CSE,NIT Warangal, Mobile: 9700553922, 8332969733. Email: raju@nitw.ac.in, cce@nitw.ac.in

Dr.M.Hemalatha, Associate Professor,(coordinator)

Dr.S.Shanmugam, Assistant Professor, (co-coordinator)

Department of Artificial Intelligence and Data Science (AI&DS),

Saveetha Engineering College (Autonomous),

Thandalam, Chennai,

Mobile: 9941921116/9976808790.

Email: hemalatham@saveetha.ac.in/shanmugams@saveetha.ac.in