

NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL

Center for Continuing Education & Department of Computer Science & Engg

In Association With

Internal Quality Assurance Cell,

MANIPAL INSTITUTE OF TECHNOLOGY BENGALURU

Online Short-Term Course on

AI-ML Based Systems for Electric & Autonomous Vehicles

23rd May 2022-27th May 2022



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 and is ranked among the top technical education institutions in India. There are 13 Departments offering eight undergraduate and 32 post-graduate programmes besides doctoral programmes. About 5000 students across the country and about 500 international students study in the campus. It is a fully residential campus sprawling over 250 acres with excellent infrastructure, state of the art library, seminar halls guest house and laboratory.



About Center for Continuing Education

The Center for Continuing Education NIT Warangal organizes FDPs/Training programmes/Seminars/Workshops etc., in the frontier areas of Science, Engineering, Technology, Management, Humanities, Social Science and Socially relevant themes on 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 Manipal Institute of Technology Bengaluru

The Garden City of India, Bengaluru, is now home to a new engineering institution - "MIT Bengaluru" - the latest constituent unit of Manipal Academy of Higher Education (MAHE). MAHE is proud to open its doors in the bustling cosmopolitan IT hub of Bengaluru by establishing its new engineering campus: MIT Bengaluru. It is offering five B Tech programs starting from 2021, with approval from the All India Council of Technical Education (AICTE), MHRD, Government of India. The five approved programs are CSE, IT, ECE, CSE-AI & CSE-Cyber Security, MAHE is recognized as a deemed-to-be university since 1993 and has been accorded the status of Institute of Eminence (IoE) by MHRD, Government of India.



Course Content

Introduction to Electric and Autonomous Vehicles.

Electric and Autonomous Vehicles Opportunities & Challenges.

AI-ML Applications in Electric and Autonomous Vehicles.

Intelligent Battery Management Systems and Charging Infrastructure.

Intelligent Adaptive Control Techniques for Intelligent Vehicles and Intelligent Vision System & Transportation.

Decisional Architectures for Autonomous Vehicles & Case Studies.

Reinforcement Learning for Autonomous & Electric Vehicles.

Course Objectives: Upon the completion of the STC the participants/trainee can understand/Gain knowledge in solving the real world problems in Electric and Autonomous vehicles and Applications of AI-ML.

Resource Persons:

The Sessions will be handled by the experts from Faculty from **International Universities, IISc, IITs/NITs/Various universities/Industry.**

Day wise Recordings will be provided .

How to Apply

Interested candidates can apply online by clicking below link

<https://forms.gle/ZGERbCGS7WouGcCNA>

Participants details need to be filled and payment details uploaded by using above link in Google Forms on or before 25th April, 2022.

Registration Deadline: 23rd May 2022.

Who should Attend?

The Programme is open to all Faculty/Research Scholars/ Industry Professionals M.Tech/MCA/MBA/Engineering/Degree Polytechnic and other eligible students can register the course.

Registration Fees:

Faculty: 500 (Five hundred only).

Industry Professionals: 1000 (Thousand only).

Foreigner: - 50 USD.

Bank Account Details

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

Confirmation mails will be sent two days before the Programme.

Once Paid/Registered your are Confirmed.

The interested individuals may register on the FCFS basis the seats are limited to 300 only.

E-Certificate: Participants will get **e-certificate** upon completion of the STC course.

Address for Correspondence

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Any Further queries, please contact the Coordinator.