



CENTER FOR CONTINUING EDUCATION, NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL & VIT-AP UNIVERSITY, AMARAVATI

ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP)

Current Trends of Deep Learning in Various Research Domains

(20thSeptember - 24thSeptember 2021)



VIT-AP
UNIVERSITY

About NIT Warangal

National Institute of Technology, Warangal is the first among 17 RECs setup as joint venture of the Government of India and the state government. Over the years the college has established itself as a premier Institute imparting technical education of a very high standard leading to the B.Tech degrees in various branches of engineering, M.Tech and PhD programs in various specializations. All B. Tech and M. Tech programs of NIT Warangal are NBA accredited. The Institute currently has thirteen academic departments and a few advanced research centers in various disciplines of engineering, pure sciences and management, with nearly 100 laboratories organized in a unique pattern of functioning, Central Library with state-of-the-art facilities, Auditorium, Student Activity Centre, Mega Computer Centre, Indoor Games Complex, big stadium, Seminar Halls with required infrastructure.,

About Center for Continuing Education

This Centre of NIT Warangal organizes Continuing Education Programs and Workshops 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 by NIT Warangal (ii) At NIT Warangal in collaboration with other organizations (iii) By NIT Warangal Faculty at the Host Organization/Institute.

About Department of Computer Science & Engg.

The Department of Computer Science and Engineering (CSE) offers B.Tech course in CSE, M.Tech courses in CSE, Information Security (IS) and Master of Computer Applications (MCA). The Department has experienced faculty with good publications and well-established laboratories. The Department has liaison with reputed industries and R&D organizations like Microsoft, IBM, Oracle, Accenture, Infosys, TCS, EMC2, C-DAC, Motorola, NIC, Sun Micro Systems, SPSS and tie up with IISc in certain areas. Department conducts various sponsored programs like GIAN, International and national conferences throughout the year.

About VIT-AP:

With a history of 32 years of innovation in educational and research domain, VIT has been a forerunner in delivering quality education. Consistently ranked among the top educational institutes in the country, the VIT group of institutions have had a proud tradition of pursuing knowledge and excellence. In keeping with this tradition, the leadership at VIT-AP resonates a dynamic blend of academic initiative and industry partnership with a vision of creating one of the finest academic destinations in the world. The VIT-AP campus, which is

poised to become one of the country's best campuses, offers several avenues to explore your interests, identify core competencies, and engage in an evolving lifecycle of education and growth.

About Department:

The Department of Computer Science and Engineering was established in 2017. It has become the School of Computer Science and Engineering (SCOPE) in January 2019. At present, the School is headed by Dr. Sudha S V. The School has qualified and committed faculty members who offer impressive instruction in a variety of modes, exploring experiential learning approaches and new pedagogical methods in order to provide proper learning to students. The school provides the necessary infrastructure, hardware, and software to support the faculty for their continuous learning and research.

About the Course:

Machine Learning, and Deep Learning are trending buzzwords of our time. Recently deep learning has shown superior performance because of its automatic feature extraction capability and expressiveness in obtaining, processing, and interpolating complex patterns directly from huge volumes of data. It has been used extensively in computer vision, image analysis, speech recognition, natural language processing, bioinformatics, computational biology, and medical informatics. This FDP focuses on bringing these applications with practical knowledge to the participants. This FDP also aims to give future direction in various research domains associated with deep learning.

Resources Persons

The Sessions will be handled by the experts From IITs/NITs/ Central University/U.S.A Universities/Research Labs.

How to Apply

Interested candidates can apply online by clicking below link

https://docs.google.com/forms/d/e/1FAIpQLSeuEzmuOVEh2bxjFkQc_FPL96AU4TKhp7C7VM8sGn_B-G9NYw/viewform?usp=sf_link

Registration Deadline: 18th September 2021.

Who should Attend?

The program is open to Faculty, Research Scholars, PG Students.

Certificate

On successful completion of the FDP, Participants will be awarded with Certificate.

Registration Fee: Rs. 500. (Five Hundred only).

Address for Correspondence

BANK DETAILS

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

Note: Participants willing to register should first pay the fee and save the copy of payment receipt and upload it in the form at the time of registration.

The interested individuals may register on the first come first serve basis. Since, this FDP is open for all Indian participants and the seats are limited.

For any queries regarding this Program, Please contact the coordinator

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Day-wise Tentative Schedule

Day	9:00- 10:00	10.00-11.00	11:10 -12.10	12:10-1-10
Day1 (20-09-21)	Inauguration	Importance of Research in Higher Education	Research Issues in AI and IoT	Deep Learning Applications in Diseases Prediction
Speaker(s)		Prof. N.V Ramana Rao, Director, NIT Warangal	Prof. Shiva Kumar, CEO, Xtrans Solutions and Adjunct Professor Santa Clara University, USA	
Day2 (21-09-21)	Real time object detection using DNN	Face Recognition and Attendance system	Covid-19 security system using face mask recognition and body temperature recognition.	
Speaker(s)	Mr. Bharath Kumar Allam, Principal Engineer, Xtrans Solutions		Prof. Shiva Kumar, CEO, Xtrans and Adjunct Professor Santa Clara University, USA	
Day3 (22-09-21)	Medical Image processing with deep learning		AI models for Computer Vision	
Speaker(s)	Dr. Subramanyam Murala, Associate Professor, IIT ropar		Dr. Santhosh Kumar Vipparthi, Assistant Professor, MNIT Jaipur	
Day4 (23-09-21)	AI models for Computer Vision	Applications of Videos analysis and Image Classification using Deep Learning		
Speaker(s)	Dr. Santhosh Kumar Vipparthi, Assistant Professor, MNIT Jaipur	Dr. Damodar Reddy Edla, Assistant Professor, NIT Goa		
Day5 (24-09-21)	Yoga poses detection and classification using Dense Net.	Predicting Loan Sanction Amount System using Light Gradient Boosting Method	Face tracking tool using Deep Learning Techniques	
Speaker(s)	Mr. Saikumar Dandla, AI Researcher, DRDO			