FACULTY DEVELOPMENT PROGRAMME(FDP)
ON
Advances in AIML Techniques for Signal, Speech, and Image Processing
(6th - 11th November, 2023)
Organized by
Department of Electronics & Communication Engineering, NIT Warangal
in association with
CENTRE FOR TRAINING AND LEARNING, NIT Warangal
(Established under the PMMMNMTT Scheme, Ministry of Education, Govt. of India)

Preamble:

The Centre for Training and Learning (CTL) has been established at NIT Warangal with grants from the Ministry of Education, through its scheme "Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT)".Under this Scheme, a separate building has been built exclusively for the CTL activities, with the state-of-art training facilities that include a studio for production and uploading of video and e-lectures on various subjects of higher education, training halls to train the faculty in various theme areas of Science and Technology, humanities and social sciences, linguistics and communication skills, pedagogy and cognition evaluation, etc. among others. One of the important objectives of the Centre is to conduct training programmes for the aspiring, newly inducted and in-service faculty in science, engineering, social sciences disciplines in higher education. Other activities of the CTL include preparation of print and e-learning materials, offering on-line courses, curriculum design, carrying out research in educational technology and pedagogy and integrating with ICT into teaching-learning process. The CTL has special programmes of training for the marginalized and women-faculty.

About FDP:

The FDP on "Advances in AIML Techniques for Signal, Speech, and Image Processing" aims to provide participants with a comprehensive understanding of the latest advancements in Artificial Intelligence and Machine Learning (AIML) techniques specifically tailored for signal, speech, and image processing. This FDP is designed to equip participants with the necessary knowledge and skills to leverage AIML algorithms and tools effectively in the context of signal processing, speech analysis, and image manipulation. The program will explore various AIML techniques, including deep learning, neural networks, and data-driven models, which have demonstrated remarkable success in these domains. Participants will be introduced to the fundamentals of AIML and its relevance to signal, speech, and image processing.

Major Course Contents:

➢ Introduction to AIML: Fundamentals, algorithms, and techniques.
➢ Signal processing: Feature extraction, classification, and enhancement using AIML.
➢ Speech analysis: Speech recognition, emotion detection, and speaker identification with AIML.
➢ Image processing: Object detection, image classification, and facial recognition using AIML.
➢ Python Libraries for AI Techniques implementation.
➢ Case studies and real-world applications of AI.

Faculty conducting this programme:

The programme will be conducted by the faculty members from NIT Warangal and Academicians in the concerned field from IITs/NITs/IIITs have been invited to deliver lectures in the programme.

Registration Fee Particulars:

Faculty	Rs.1000/-
Students / Research Scholars	Rs. 500/-
IndustryParticipants	Rs.2000/-

Participants need to pay the registration fees online using the following details

Online Transfer Details
Account Name: **Head, CTL NITW** AccountNo:**40376545007** IFSC:**SBIN0020149** BankandBranch:**SBI,NIT(REC)Warangal**

How to apply:

Participants are required to fill the online registration form by clicking on the following link: **https://forms.gle/9R1mTqSeiEfuJnVj7**

Selection Criteria:

Selection will be done based on first-come-first-serve to a maximumnumber of 50 (fifty). Additionally, 10 participants from industry are allowed to participate. The list of selected participants will be intimated through e-mail. In case the candidate is not selected, the registration amount will be refunded. Candidates will be issued certificates on successful completion of the course. Reservations are followed for selecting candidates as per GOI norms.

Important dates:

Lastdate(Application&DD)	15-10-2023
SelectionListbyE-mail	20-10-2023

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 14 Departments offering eight undergraduate and 31 post-graduate programs besides doctoral programmes. 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 in the form of state of the art library, seminar halls, guest houses and research laboratories.

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1. Name   :

2. Designation   :

3. Institution   :

4. Email   :

5. MobileNo:

6. Payment Details
   ReferenceNo:

   Amount:

   Bank:

   Date:

7. AddressforCorrespondence:

8. EducationalQualification:

9. Subjectstaught sofar:

10. No.ofrefreshercourses/workshopsattended:

11. Experience(inyears):

12. Teaching:Research: Industry:

Declaration

The information provided is true to the best of my knowledge. Ifselected, I agree to abide by the rules and regulations of the FDP and shall attend the course for the entire duration. I also undertake the responsibility to inform the coordinator in case, I am unable to attend the course.

Date:
Place: **Signature of the Applicant**

SPONSORSHIP CERTIFICATE

Dr./Mr./Ms ....is an employee of our Institute/Organization and is hereby sponsored to participate in the FDP on **"Advances in AIML Techniques for Signal, Speech, and Image Processing"**, sponsored by the **Centre for Training and Learning (CTL)** during **6th – 11th November 2023** at NIT Warangal, Telangana.

Signature of Head of Institution
(with seal)

Address for correspondence:

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Mobile: 0870 2462686

It is requested to all the delegates, after completion of application form, all the payment details, screen shot of the payment and scanned application form must be uploaded in the following online registration link.

Registration Link:
https://forms.gle/9R1mTqSeiEfuJnVj7

For more details about CTL of NIT Warangal,

Please visit:
https://nitw.ac.in/tlc

Prof. T. Kishore Kumar
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