FACULTY DEVELOPMENT PROGRAM (FDP)
(Online Mode)
on

Developments in Healthcare Data Processing:
Challenges & Future Directions

(21st-25th November 2023)

Organized by

CENTRE FOR TRAINING AND LEARNING, NIT Warangal

(Established under the PMMMNMTT Scheme, Ministry of Education, Govt. of India)

in association with

Dept. of Electronics & Communication Engineering and Center for Creative Cognition

S R University, Warangal, Telangana-506371

Preamble:

The Centre for Training and Learning (CTL) has been established at NIT Warangal with grants from the Min. 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 programme 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. The CTL has special programme of training for the marginalized and women-faculty.

About FDP:

The technological advancements in biosensors, wearable's devices, and the Internet of Things (IoT) in healthcare, are rapidly growing demands for processing of biomedical big data, to enable efficient health monitoring and provide reliable clinical decision support. Biomedical Signal Processing (BSP) and Artificial Intelligence (AI) play a crucial role in healthcare innovation through efficient and real-time data acquisition, representation and visualization, storage, de-nosing, and refinement. Smart medical devices often rely on novel BSP and AI for data mining, modeling and analysis, classification, and beyond for automated screening and diagnosis. This FDP will focus on advanced signal and image processing and AI in biomedical and healthcare applications.

Major Course Contents:

- Physiological Signal Processing Applications
- Adaptive Signal Processing Methods
- Brain Computer Interface (BCI) Techniques
- Diabetic Retinopathy Image Processing
- Other Applications of Speech & Image Processing

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/-
Industry Participants	Rs.2000/-

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

Online Transfer Details
Account Name: **Head, CTL NITW**
Account No: **40376545007**
IFSC: **SBIN0020149**
Bank and Branch: **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/EvBK4aP2YFdo79kL8

Selection Criteria:

Selection will be done based on first-come-first-serve to a maximum number of 80 (eighty). 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:

Last date (Application & DD)	17-11-2023
Selection List by E- mail	19-11-2023
Duration	21-11-2023 to 25-11-2023

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 programme. 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.

About Department of ECE, School of Engineering, SR University

The Department of Electronics & Communication Engineering, of S R University, was established in the year 2002. It offers a UG programs in ECE and specialization in AIML and IoT PG & PhD programs. The department is accredited by NBA in Tier-I category. The department have well equipped and state of the art laboratories. The Department runs a Center of Excellence in Embedded Systems and IoT.

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1. Name   :
2. Designation   :
3. Institution   :
4. Email   :
5. Mobile No   :
6. Payment Details

    Reference No:

    Amount:

    Bank :

    Date:

7. Address for Correspondence:
8. Educational Qualification:
9. Subjects taught so far:
10. No. of refresher courses/workshops attended:
11. Experience (in years):
12. Teaching: Research: Industry:

Declaration

The information provided is true to the best of my knowledge. If selected, 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 Online FDP on **"Advances in Healthcare Data Processing"**, sponsored by the Centre for Training and Learning (CTL) during **21st-25th November, 2023.**

Signature of Head of Institution (with seal)

Address for correspondence

Dr. Ravichander Janapati,
Associate Professor,
Dept of ECE
S R University, Warangal,
ravichander.j@sru.edu.in
85229 53824

Prof. T. Kishore Kumar,
Professor and Head, CTL, NIT W-506004
Mobile: 0870 2462686
Email: ctl_hod@nitw.ac.in

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

Registration Link: https://forms.gle/EvBK4aP2YFdo79kL8

For more details about CTL of NIT Warangal, please visit: https://nitw.ac.in/tlc

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Coordinators:

Dr. Ravichander Janapati,
Dept. of Electronics and Communication Engineering
S R University, Warangal-506371,
ravichander.j@sru.edu.in   85229 53824

Co-Coordinator:

Dr. Rakesh Sengupta,
Director, Center for Creative Cognition,
S R University, Warangal-506371, 9903761089

Prof. T. Kishore Kumar,
Professor and Head, CTL, NIT W-506004
Mobile: 0870 2462686
Email: ctl_hod@nitw.ac.in