

REGISTRATION FORM

One Week National Level Online Faculty Development Program (FDP-I)

on

“Research Areas in Bio-Medical Signal Processing”

FDP-I 12th -17th October 2020

Name: _____

Designation: _____

Institution/Organization: _____

Address: _____

Contact Number: _____

Email: _____

Qualifications: _____

Experience in years: _____

Teaching: Research: Industry: _____

Signature of the Head of the institution / HoD / Participant

Last date for Registration: 10th October 2020

Address for Communication: _____

Dr. U Yedukondalu

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Sri Vasavi Engineering College,
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Mobile. No: 8008465666(w) & 9849437940

Dr. Purnima K Sharma

Associate Professor, ECE Dept.
Sri Vasavi Engineering College,
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Patrons

Sri. G. Satyanarayana
President

Sri. Ch.V.V. Subba Rao
Secretary & Correspondent

Co-Patron

Sri. Ch. Apparao
Director – Technical

Chairman

Dr. GVNSR Ratnakara Rao
Principal

Convener

Dr.E. Kusuma Kumari
Professor & HoD, ECE

Organizing Committee:

Faculty members of ECE Department

Registration link:

<https://forms.gle/PJriwkVB5CUNPPFdA>

The FDP is open to faculty members of AICTE approved Institutions, Research scholars and persons from industry and R&D organizations from all over country.

Registration Fee: *NIL*****

Online meeting link will be provided through **Whatsapp.**

The number of Participants will be limited to 150

***Note:** E- Certificates will be provided to those participants who attend all the sessions of the program and also appear for the online test as per the norms of AICTE.

AICTE Sponsored



ONE WEEK NATIONAL LEVEL ONLINE FACULTY DEVELOPMENT PROGRAM

on

“Research Areas in Bio-Medical Signal Processing”

FDP-I

12th -17th October 2020

Coordinator:

Dr. U. Yedukondalu
Assoc.Prof. of ECE

Co Coordinator:

Dr. Purnima K Sharma
Assoc. Prof. of ECE

Organized by



Department of
Electronics & Communication Engineering

Sri Vasavi Engineering College

(Autonomous)

Tadepalligudem, West Godavari District - 534101
(Approved by AICTE and affiliated to JNTUK Kakinada, AP)
(Accredited by NBA - UG in EEE, ECE, CSE & ME and NAAC with 'A' Grade)

www.srivasaviengg.ac.in

About the College:

"Sri Vasavi Engineering College (Autonomous)" was established in the year 2001 by "Sri Vasavi Educational Society" with a desire to share the responsibilities of the society for the development of quality Technical Education. The college is situated at Pedatadepalli, a peaceful and pollution-free location, 5 km away from the main town Tadepalligudem, West Godavari District.

The town is well known as the commercial hub of Coastal Andhra Pradesh and is well connected by road (NH16) and rail (Chennai to Kolkata). The college has a sprawling campus of 25.02 acres surrounded by green fields and coconut groves. The college is recognized by AICTE and permanently affiliated to JNTU Kakinada and also recognized by UGC under section 2(f) & 12(B). The College got UGC Autonomous in the year 2018. The college offers UG, PG and Diploma Programs in Engineering (EEE, ECE, CSE, ME & CE, CST and ECT) along with MBA. The college is accredited by NAAC with "A" Grade. UG Programs offered by the departments of EEE, ME, ECE & CSE are accredited by NBA.

About ECE Department:

Vision of the Department is to develop the department into a centre of excellence and produce high quality, technically competent and responsible Electronics and Communication engineering. The Department of ECE is established in the year 2001 with a view to develop quality engineers to meet the current trends. The Department offers undergraduate program in B.Tech (ECE). The department also offers PG programme with VLSI & Embedded Systems (VLSI & ES) specialization having an intake of 18. The department has a pool of well qualified, highly experienced and research oriented faculty members covering all the major areas.

About FDP:

Biomedical signal processing and instrumentation is an emerging stream that has got both industrial and research significance. Medical practitioners and Engineers are developing new ways to process bio signals using a variety of mathematical tools and algorithms used in both therapeutic and diagnostic instrumentation. The course aims to impart solid foundation in mathematical and signal processing tools on biomedical signals and medical imaging for feature extraction using MATLAB and Lab VIEW.

Note: The FDP is planned in three phases. The basic concepts and fundamentals in the first FDP, current technologies and applications in the second FDP and futuristic trends and challenges in the third FDP. However they are independent.

Objectives of FDPs:

To improve the knowledge of participants in biomedical signal processing and motivate the participants to work with Bio-medical signals.

To unfold various research areas under biomedical signal processing and provide opportunity to contact with experts in the related areas.

To provide sound mathematical and theoretical prerequisites necessary for carry out research in this field.

Course Contents:

- Bio-Signal Processing and Applications.
- Transform Techniques.
- Acquisition of Bio-signals.
- Bio-Medical Instrumentation.
- Medical Image Processing.
- Biosensors and Transducers.
- Classification Techniques.
- Development of Algorithms.
- Hands on sessions on the above topics.

Resource Persons:

Prof. M. Ramasubba Reddy,
Professor, Dept. of Applied Mechanics, IIT Madras, Chennai.

Prof. Shaik Rafi Ahamed,
Professor of EEE, IITG, Guwahati.

Prof. Ch. Srinivasa Rao,
Professor of ECE, JNTUK UCEV, Vizianagaram.

Prof. N. Balaji,
Professor of ECE, Director IQAC, JNTUK, Kakinada.

Dr. Anil Kumar Vuppala
Associate Prof. of ECE, IIITH, Hyderabad.

Dr. Vinay Kumar Mittal
Professor & Head (Research Consultancy & Smart Campus) K L University.

***Hands on sessions by industry professionals**