CHIEF PATRONS

Prof. B. B. Ahuja
Director & Professor of
College of Engineering, Pune

Prof. Laiphrakpam Tombi Singh
Vice-Chancellor,
Manipur Technical University, Imphal

Prof. Mukul S. Sutaone
PI CoE S&IP , Deputy Director & Professor of Electronics
& Telecommunication Engineering,
College of Engineering, Pune

Dr. V. N. Pande
TEQIP-III coordinator and
Associate Professor of Electrical Engineering,
College of Engineering, Pune

COURSE COORDINATORS

Dr. S. P. Mahajan   **Dr. Vibha Vyas**
Associate Professorand Head,   Associate Professor
Department of Electronics & Telecommunication
Engineering, COEP, Pune

Dr. Biraj Shougaijam
Assistant Professor and Head,
Department of Electronics and Communication Engineering,
MTU, Imphal

ORGANIZING COMMITTEE

Dr. Rajshri C. Mahajan, E&TC, COEP, Pune

Dr. Aditya Gupta, E&TC, COEP, Pune

Mrs. Ashvini Kulkarni, E&TC, COEP, Pune

Ms. Debina Laishram, CSE, MTU, Imphal

Ms. Yengkhom Chandrika Devi , ECE, MTU, Imphal

PROGRAM OBJECTIVES

· Update the attendees with new techniques, approaches, algorithms and methods in the thematic area of Signal Processing
· Apprise the audience with pedagogical skills in the domain of signal processing
· Unleash the hidden research potential in the signal processing domain to the aspiring researchers

EXPECTED OUTCOMES

At the end of FDP, participants should able to,
· Explore topics in Machine Vision, Multidirectiional Signal processing for their research work
· Select the research topic
· Select the appropriate techniques and tools for the related Signal processing application

MAJOR COURSE CONTENTS

The program aims at giving a concise introduction to Multi-dimensional & Multimedia Signal Processing algorithmic techniques, with balanced coverage of theory, applications and standards. A significant feature is the explanation of practical network coding methods for image and video transmission. There is also coverage of new approaches such as machine learning and deep neural networks.

EXPERTS/ RESOURCE PERSONS

Faculty experts from COEP, Invited experts from Higher Learning Centers such as IITs/NITs, Experts from Industries/Corporate houses and Research Organizations, working in the field of Multi-dimensional Signal Processing and Machine Vision/Intelligence, DSP Platforms, Tools will be resource persons and instructors in the program.

HOW TO REGISTER

· FDP is sponsored by TEQIP-III and the registrations for the program shall be completed through the online registration process.
· The link for online registration for the FDP: - https://docs.google.com/forms/d/12P9 TPEZXBiSkhc6xDn SBg5Y53aWKI1qWeR8lAwY9258/edit?usp=drivesdk
· There is no registration charge for the FDP.
· The E-certificate will be given to all the participants upon successful completion of the program.
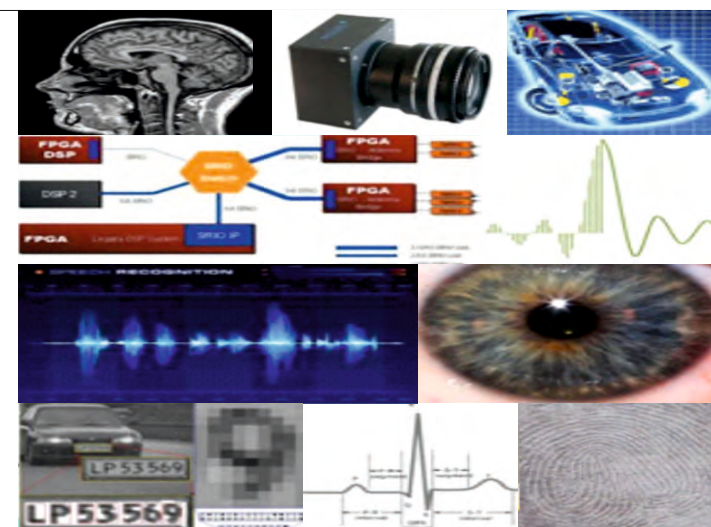· The number of registrations is limited to 1000 on a first-come-first-served basis.

Who can apply

The programme is open to Faculty Members and Research Scholars of AICTE/UGC affiliated Institutes/Universities.

For more details, please contact:
Mob. No. 9763714869
Email id: mrc.extc@coep.ac.in

TEQIP-III (CoE S&IP) Sponsored
One week Faculty Development Program
on

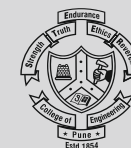# Algorithms and Techniques for Signal Processing

Co-sponsored by
Department of Electronics &Telecommunication,
College of Engineering, Pune (COEP)
&
Departments of ECE & CSE,
Manipur Technical University (MTU), Imphal

(14th July 2020 to 18th July 2020)

Organized by,

Department of
Electronics and
Telecommunication
College of Engineering
Pune

Manipur
Technical University
(MTU), Imphal,
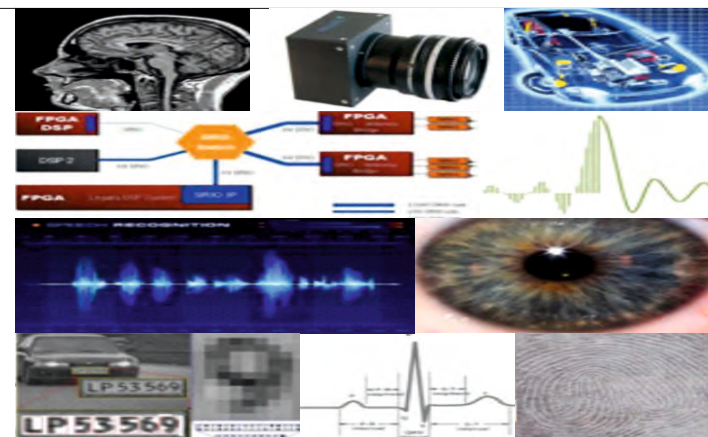
ABOUT COEP and MTU

College of Engineering, Pune (COEP), chartered in 1854, is a nationally respected leader in technical education. The institute is distinguished by its commitment to finding solutions to the significant predicaments of the day through advanced technology. The institute has a rich history and dedication to the pursuit of excellence. COEP offers a unique learning experience across a spectrum of academic and social backgrounds. With a firm footing in truth and humanity, the institute gives you an understanding of both technical developments and the ethics that go with it. The curriculum is designed to enhance your academic experience through opportunities like internships, study abroad programs and research facilities. The hallmark of COEP education is its strong and widespread alumni network, support of the industry and the camaraderie that the institute shares with several foreign universities. The institute is consistently ranked amongst the top technical colleges in India and its alumni have contributed the lion's share in the development of national infrastructure.The Manipur Technical University (MTU) is the first technical university of the state established on 23rd April 2016 under "The Manipur Technical University Act, 2016".At present, the university is located in the Government Polytechnic Campus at Takyelpat, Imphal West District, Manipur.MTU has five engineering departments, namely Civil engineering, Computer Science and Engineering, Electrical Engineering, Electronics and Communication Engineering and Mechanical Engineering. Ministry of Human Resource Development (MHRD) has appointed the College of Engineering, Pune (COEP) as Mentor (Mentoring Institute) of Manipur Technical University under Technical Education Quality Improvement Programme Phase III (TEQIP-III) till the year 2020.MHRD also monitors and provides suggestions on ways and means to improve classroom transactions and overall quality aspects of the teaching faculties and students under the programme. Availability of state of the art laboratory equipment and academic-related resources in the form of the faculty development program and assessment in specific areas of concern is another area closely monitored by MHRD under TEQIP-III.

ABOUT E&TC DEPARTMENT, COEP

Established in 1948, the department has always remained at the forefront in producing quality engineers who have brought great laurels to the institute, society, and nation at large. The department has a tradition of attracting the topmost merit students at UG from across the state and is a favoured destination of PG students after the IITs. The department offers excellent infrastructure and resources in the form of knowledgeable faculty, well-equipped laboratories.It has faculty, PG and research students working in research areas related to cutting edge technologies such as VLSI and Embedded Systems, Communication Networks, Computer vision and Pattern Recognition, Signal Coding and Communication, Power electronics and EMI/EMC, Multidimensional and Multimedia Signal Processing and Optical communication. Moreover, the department is involved in several technical and co-curricular activities encouraging students to broaden their horizons of thought, innovate and implement their ideas. Also, it maintains a great rapport with industries and R&D organizations.

ABOUT TEQIP AT COEP

TEQIP Project is an ambitious MHRD World Bank Project that has empowered and enabled our institute to transform its brand and image, after acquiring Autonomy in 2003. The project is executed in phases, emphasized on the enhancement on UG education in Phase-I (2004-2009), Enhancement on PG-Education & Research in Phase-II (2011-2017) and Phase-III of the project has been now launched with a focus on the twinning arrangement between COEP and its Mentee institutes.In phase-I, the institute received funds to the tune of 25 crores.In phase-II, the institute got 12.5crores and an additional 5crore being well-performing in the country. Also, the institute was sanction two Centers of Excellence (CoE) for which amount of Rs. 5 crores each was allotted.And now in Phase-III, the institute has been allotted Rs. 7 crore and Rs. 3 crore for the sustenance of Centers of Excellence. The COEP (1.3) is twinned with the following colleges (1.1) as twinning partners:· Manipur Technical University (MTU), Imphal · Shri Govindram Seksaria Institute of Technology and Science (SGSITS), Indore

Registration Form

FDP on
Algorithms and Techniques for Signal Processing

(For all the faculty members of AICTE recognized institutions)

(14th July 2020 to 18th July 2020)

Name:_____

Address: _____

_____

Specialization: _____

Institute Name: _____

_____

Institute Address: _____

_____

Mobile No.: _____

Gender: _____