About Institute
IIITDM Kancheepuram is a Centre of Excellence for technical education and research established in 2007 by the Ministry of Human Resource Development, Government of India to pursue design and manufacturing oriented engineering education and research and to promote the competitive advantage of Indian products in global markets. The Institute is aimed at providing solutions to current technological challenges in wide domains like healthcare, robotics, home entertainment, telecommunication, automotive systems, etc.

About Department
The Department of ECE at IIITDM Kancheepuram is presently offering B.Tech program in Electronics and Communication Engineering (Design & Manufacturing), Dual Degree program leading to B.Tech and M.Tech Degrees, Ph.D. program in core and applied areas of engineering. The faculty members of the department are also involved in sponsored and consultancy research projects from reputed industries and government organizations.

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Important Dates
Last date for registration: 5-Jan-2021
Intimation to participants: 6-Jan-2021
Last date of receiving payment: 5-Jan-2021
Course dates: 8-Jan-2021 to 12-Jan-2021
Selection will be as per the eligibility and on First-Come-First-Served basis

Registration Fee Details
The participants are requested to register online by using the link or scan the QR Code: https://tinyurl.com/ROBiE2021

Fee details (including GST):
UG/ PG/ Ph. D. Scholar: Rs. 200.00
Faculty & Industry Personnel: Rs. 500.00
The registration fee includes soft copy of course materials and e-certificate. The confirmation of participation would be sent through email. The expert lectures will be in online mode.
Follow the procedures for payment in SBI Collect: https://tinyurl.com/sbicollect

1. Click the above link & Tick Check Box --> Proceed
2. State of Corporate/Institution --> Tamil Nadu
3. Type of Corporate/Institution --> Educational Institutions
4. Educational Institutions Name --> IIITDM - EDUCATIONAL EVENTS
5. Select Payment Category --> “ROBiE 2020”
6. Fill The Details --> Make Payment

Short Term Course on
Research Opportunities in Biomedical Engineering: Theory to Device (ROBiE)
08 Jan. - 12 Jan. 2021

Course Coordinators:
Dr. Priyanka Kokil
Dr. B Appina
Department of Electronics and Communication Engineering
Indian Institute of Information Technology Design and Manufacturing, Kancheepuram, Chennai
Overview of the course

The research and development in biomedical engineering plays an important role to address the challenges faced by society and mankind as a whole. Biomedical engineering is a multidisciplinary specialized field that integrates principles from engineering, physical sciences, mathematics and informatics for the study of medicine and biology, with the ultimate goal of improving human health and quality of life. In lieu of India progressing towards Atmanirbhar and Digital India, solutions for healthcare which could be helping hands for doctors are extremely important. It is an attempt to fetch experts and interested personnel from academia, medical colleges and industry along with researchers and students under a common roof facilitating the exchange of ideas and knowledge about the emerging theory, techniques and deployment of them for the design of biomedical systems. The five day short term course focuses on major trends and challenges in the biomedical engineering field, and it also presents work meant to recognize the latest cutting-edge tools and techniques and their use in the medical field right from theory to its implementation. Our aim is to help advance scientific research within the broad field of biomedical engineering.

Course Content

• Identification of basic level problems through the lens of medical practitioner
• Computer-aided detection and diagnosis
• Deep learning in medical image analysis
• Transfer learning and domain adaptation
• Case studies (Fundus imaging, etc.)

Speakers

Prof Ram Bilas Pachori, IIT Indore
Prof Sumohana S Channappayya, IIT Hyderabad
Prof Soumya Jana, IIT Hyderabad
Dr Sandeep Chandra Bollepalli, Research Fellow in Medicine (EXT), Department of Medicine, Massachusetts General Hospital, Boston, USA
Prof Amit Acharya, IIT Hyderabad
Dr Kiran Kumar Vupparaboina, Dept of Ophthalmology, School of Medicine, University of Pittsburgh
Dr Deepak Ranjan Nayak, MNIT Jaipur

Who can participate?

The program is targeted towards
• Ph.D. Scholars
• Faculty members from academic institutes
• Industry professionals and consultants,
• Researchers and UG/PG students

How to Register?

Registration to this course is a two-step process: Participants will have to first register to the online portal. It is a one-time process. One time Non-refundable fee (as per the category) is to be charged for this service. You are required to apply online using the following steps in the given link:
1. Apply online for registration. Go to: https://tinyurl.com/ROBiE2021
2. Fill up the registration form.
3. Please make payment prior to start the registration by following the steps provided under Registration Fee Details using SBICollect.
4. Email the payment transaction details to the course coordinators. The course coordinators will confirm your selection as a participant in due course of time. Once you are selected, you will be informed by email.

Please NOTE: No need to send the hard copy of the application form.

For more details, please visit http://iiitdm.ac.in/