Engineering Council of India

WEBINAR

AI APPROACHES FOR MEDICINE, WITH SPECIFIC EMPHASIS ON MEDICAL IMAGING DATA

Intoduction

One of the most promising areas of health innovation is the application of artificial intelligence (AI), primarily in medical imaging. This presentation provides basic definitions of terms such as "machine/deep learning" and analyses the integration of AI into radiology and digital pathology. With an irreversible increase in the amount of data and the possibility to use AI to identify findings either detectable or not by the human eye, radiology and digital pathology are now moving from a subjective perceptual skill to a more objective science. Radiologists and Pathologists, who were on the forefront of the digital era in medicine, can guide the introduction of AI into healthcare. Yet, they will not be replaced because radiology and digital pathology includes communication of diagnosis, consideration of patient's values and preferences, medical judgment, quality assurance, education, policy-making, and interventional procedures. The higher efficiency provided by AI will allow radiologists and pathologists to perform more value-added tasks, becoming more visible to patients and playing a vital role in multidisciplinary clinical teams.

DATE: October 05, 2020

TIME: 1600 Hrs to 1730 Hrs

DURATION: 1.50 HR. TRAINING

E-certificate to all participants

3 CPD Credit Hrs.

FEE DETAILS:
For participation
- Rs 500 + 18 % GST for ECI's Registered Engineers
- Rs 750 + 18 % GST For unregistered Engineers
- Rs. 300 + 18% GST for Students

BANK DETAILS:
NEFT/RTGS in
- Bank A/c No. 1220 10 000 197 56 of HDFC Bank Ltd.,
- IFSC code: HDFC 000 1374

Who Can Attend:
All Engineers/ Doctors/Interested persons

Introduction of speaker
Introduction of speaker Dr. Vijaya Kolachalama is an Assistant Professor in the Dept. of Medicine, Boston University School of Medicine, an affiliate faculty member of Department of Computer Science, Boston University, and a founding member of the Faculty of Computing & Data Sciences at Boston University. Research in his group is focused on developing advanced machine learning algorithms and software technologies that have diagnostic and prognostic relevance. His laboratory's current disease areas of focus include Alzheimer's disease, cardiovascular disease, cancer, osteoarthritis and kidney disease. Before joining Boston University, He obtained a bachelor's degree in Aerospace Engineering from the IIT, Kharagpur, India and a PhD in Mechanical Engineering from the University of Southampton, UK. He was recently elected as a Fellow of the American Heart Association.

About ECI

Engineering Council of India (ECI) is the apex body of the engineering profession in india. It is mandated to look after and develop the Indian engineering profession. As on date, it has 33 Indian engineering professional bodies as members representing practically all streams of engineering. It has representatives from 8 Government Departments on its Board. It is duly authorised by AICTE, CPWD, Niti Aayog etc, by MoUs or documents to interact with them, in specified areas. Further details can be had from its website www.ecindia.org.

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