

## **DECLARATION**

The above information is true to the best of my knowledge. I agree to abide by the rules and regulations governing the course. If selected, I shall attend the course for the entire duration. I also under take the responsibility to inform the coordinator in case I am unable to attend the course.

Place :

Date :

Signature of the applicant

## **SPONSORSHIP CERTIFICATE**

Mr/Ms/Dr \_\_\_\_\_

\_\_\_\_\_ is an employee of our Institute / Organization and is here by sponsored by us. He/She will be permitted to attend the programme in full, if selected.

Place : Signature of the Sponsoring authority

Date : Office Seal

Application form completed in all respects is to be sent to:

**Dr.U.S.Ragupathy**

Professor

**CHAIR PERSON**

CSIR Sponsored SEMINAR ON

**“Recent Trends in Medical Image Analysis using Deep Learning”**

Department of EIE,

Kongu Engineering College,

Perundurai, Erode - 638 060 Tamilnadu.

Mobile: +91 - 9842851315

E-mail: [usr@kongu.ac.in](mailto:usr@kongu.ac.in)

## **ABOUT THE COLLEGE**

Kongu Engineering College (KEC) was established in the year 1984. Approved by AICTE, New Delhi and affiliated to Anna University- Chennai, the institution has been accorded autonomous status from year 2007. The institution has completed 34 years of dedicated and excellent service in the field of technical education. It offers 14 UG programmes, 19 PG programmes and 16 Research programmes in Engineering and Applied Sciences and is one among the best self financing Engineering colleges imparting high quality technical education in India. The college is well known for its technical excellence, modern facilities, record of performance with excellent results and enterprising students. The college has got NBA accreditation for all UG programmes, Best Engineering College award, Best Principal award and ISO certification. The Institution has an active Industry- Institute Partnership Cell to interact with industries. The institution has established a Technology Business Incubator (TBI) supported by Department of Science and Technology, Government of India in its campus.

## **ABOUT THE DEPARTMENT**

The Department of Electronics and Instrumentation Engineering is offering a full time four year B.E degree course in Electronics and Instrumentation Engineering and M.E course in Control and Instrumentation Engineering. This field of engineering imparts technical knowledge in the areas of Electronics Engineering, Biomedical Instrumentation, Control Systems, Signal and Image Processing, Embedded Systems, VLSI, Neural Networks and Fuzzy Logic. Department has sound infrastructural facilities including separate laboratories like Biomedical Instrumentation lab, DSP lab, PLC lab and DCS lab. Competent faculty and established library are the highlights of the Department.

## **ABOUT THE LOCATION**

The college is situated at Perundurai on the National Highway (NH 47) about 80 km from Coimbatore and 20 km from Erode.



**CSIR Sponsored  
SEMINAR ON  
“Recent Trends in Medical  
Image Analysis using Deep  
Learning”**

**20.09.2019 & 21.09.2019**

**CHAIR PERSON**

Dr.U.S.RAGUPATHY

**ORGANIZING SECRETARY**

Mr.K.YUVARAJ

**Department of  
Electronics and Instrumentation  
Engineering  
Kongu Engineering College  
(Autonomous)**

Perundurai – 638 060, Erode, Tamilnadu

**Tel : 04294 – 226550**

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**E-Mail : [usr@kongu.ac.in](mailto:usr@kongu.ac.in)  
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**Website : [www.kongu.ac.in](http://www.kongu.ac.in)**



## ABOUT THE SEMINAR

Machine Learning is a field which is raised out of Artificial Intelligence (AI). Applying AI, one can build better and intelligent machines. But except for few mere tasks such as finding the shortest path between point A and B, it is unable to program more complex and constantly evolving challenges. There was a realization that the only way to be able to achieve this task was to let machine learn from itself. This sounds similar to a child learning from its self. So machine learning is developed as a new capability for computers. And now machine learning is present in so many segments of technology, that we don't even realize it while using it.

Deep learning is providing exciting solutions for medical image analysis problems and is seen as a key method for future applications. This seminar will offer a clear understanding of the principles and methods of deep learning concepts, showing how the algorithms that integrate deep learning as a core component have been applied to medical image detection, classification and denoising, and computer-aided analysis, using a wide variety of application areas.

Deep Learning for Medical Image Analysis is a great learning resource for academic and industry researchers in medical imaging analysis, and for graduate students taking courses on machine learning and deep learning for computer vision and medical image computing and analysis.

## TOPICS TO BE COVERED

- Introduction to Machine Learning
- Deep Learning: Fundamentals and applications to Medical Image Processing
- Artificial Neural Network and its implementation for Data Classification
- Challenges and Issues in Medical Image Diagnostics
- Applications of Deep Learning in Medical Image Processing

- Image Denoising and Analysis using Machine Learning
- Clinical Applications and Research Issues in Medical Image Diagnosis using Deep Learning

## FACULTY

Sessions will be handled by experienced faculty members from Kongu Engineering College and Experts from reputed Institutions and Industries.

## ELIGIBILITY

Teachers from AICTE approved Engineering Colleges, Candidates from industries, R&D organizations and Polytechnics with relevant background. Candidates from industries and R&D organizations may also be considered on a Self – supporting basis.

## HOW TO APPLY

The applicants should send their applications in the specified format through their Principal/ Sponsors to reach us on or before **17.09.2019**.

## REGISTRATION DETAILS

- The course fee includes course material, lunch and refreshment.
- Boarding and Lodging will be provided to all the selected participants in the college campus.
- Registration for the course can be made by sending the duly filled registration form along with a DD for Rs.300/- in favour of "**Kongu Engineering College Grants**" Payable at Perundurai, to the convener.

## ONLINE REGISTRATION

<https://docs.google.com/forms/d/1DtnnUuwIzouoq2UVnO0016PNyuvowtGjVDW8I2fAVSs/edit>

## IMPORTANT DATES

Last date for receipt of Application: **17.09.2019**  
Intimation to Participants: **18.09.2019**

**KONGU ENGINEERING COLLEGE**  
(Autonomous)  
**PERUNDURAI, ERODE 638 060**  
**TAMILNADU**



Transform Yourself

CSIR Sponsored  
SEMINAR ON

## “Recent Trends in Medical Image Analysis using Deep Learning”

### APPLICATION FORM

Name : \_\_\_\_\_  
Designation : \_\_\_\_\_  
Organization : \_\_\_\_\_  
Gender : \_\_\_\_\_  
Age : \_\_\_\_\_  
Qualification : \_\_\_\_\_  
Address for  
Communication : \_\_\_\_\_  
Mobile No. : \_\_\_\_\_  
E-mail ID : \_\_\_\_\_  
Experience in  
Teaching : \_\_\_\_\_ Years  
Others (Specify): \_\_\_\_\_ Years  
Need Accommodation : Yes/No  
Signature: \_\_\_\_\_

### DD Details

DD No. : \_\_\_\_\_  
Date : \_\_\_\_\_  
Bank : \_\_\_\_\_