

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:

Ms.P.JAYASHREE

Assistant Professor (SRG)

CONVENER

CSIR Sponsored SEMINAR ON

“DEEP LEARNING TECHNIQUES IN HEALTHCARE APPLICATIONS: RESERCH PERSPECTIVE”

Department of EIE,

Kongu Engineering College,

Perundurai, Erode - 638 060 Tamilnadu.

Mobile: +91 - 98432 65648

E-mail: jayashree@kongu.ac.in

ABOUT THE COLLEGE

Kongu Engineering College was established in the year 1984, approved by AICTE, New Delhi, accredited by NAAC for 5 years with the grade of “A” and an autonomous institution affiliated to Anna University, Chennai. The institution has completed 34 years of dedicated and excellent service in the field of technical education. It offers 14 UG, 19 PG and 16 Research programmes in Engineering, Applied Science and Management imparting high quality value education in India. It is one of the best self financing engineering colleges imparting high quality technical education in Tamil Nadu, India, and is well-known for its technical excellence, modern facilities, record of performance with excellent results and enterprising students. 2nd Position among Self Financing Engineering Colleges in Tamilnadu, 9th position in top Engineering colleges of super excellence and 10th position among 126 top Engineering Colleges in India including (IITs and NITs) in Competition Success Review (CSR) June 2018 issue. Kongu Engineering College has been awarded as the most clean campus for the year 2017 by AICTE.

ABOUT THE DEPARTMENT

The Department of Electronics and Instrumentation Engineering is offering a full time four year B.E programme in Electronics and Instrumentation Engineering and M E programme in Control and Instrumentation Engineering. This field of engineering imparts technical knowledge in the areas of Electronics Engineering, Control Systems, Signal and Image Processing, Embedded systems, VLSI, Neural Networks, Fuzzy logic and Bio-Medical Instrumentation. Sound infrastructural facilities with full-fledged laboratories like Biomedical lab, Industrial Automation Lab, Sensors and Transducers lab, Measurements and Instrumentation lab, Microprocessor and Microcontroller lab, DCS Lab and Advanced Instrumentation lab. Competent faculty and established library are the highlights of the department. The department was accredited by NBA. It is also the recipient of Best Department award from KEC twice.

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.



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SEMINAR ON
“DEEP LEARNING TECHNIQUES IN HEALTHCARE
APPLICATIONS: RESEARCH PERSPECTIVE”**



28.08.2019 to 31.08.2019

CONVENER

Ms.P.JAYASHREE

CO-ORDINATOR

Mr.B.VENKATESAN

**Department of
Electronics and Instrumentation
Engineering
Kongu Engineering College**

Perundurai – 638 060, Erode, Tamilnadu

Tel : 04294 - 226550

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venkatesan.eie@kongu.ac.in

Website: www.kongu.ac.in



ABOUT THE SEMINAR

Deep learning is a fast-growing field of Artificial Intelligence concerned with the study and design of computer algorithms for learning good representations of data, at multiple levels of abstraction. This growth is mainly driven by the explosive growth of various applications of Artificial Intelligence in production, the continued growth in data volume and the complexity of large-scale learning systems. Deep Learning is a set of machine learning algorithms that acquire data features and representations by submitting data to possibly multi-layered neural networks. In recent years, deep learning has been highlighted as the most active research field in bioinformatics and healthcare informatics. Increasing number of deep learning-based approaches has been proposed in biomedical images and signal processing. Moreover, there are still many challenging tasks with many open problems in deep learning that need to be solved for active use in healthcare informatics.

The goal of this seminar is to bring together researchers with expertise of deep learning in healthcare informatics and share current deep learning methodologies and its applications. To provide a useful and comprehensive perspective, the seminar has both healthcare domain and deep learning architecture. Additionally, this seminar discusses theoretical and practical issues and suggests future research directions.

TOPICS TO BE COVERED

- Fundamentals of AI
- Artificial Neural Networks, Convolutional and Recurrent Neural Networks (RNN)
- Deep Neural Network
- Tensor Flow for Neural Networks & Deep Learning

- Deep Learning in Biomedical Signal Processing
- Deep Learning applied to Images
- Internet of Things in Healthcare
- Case study on Breast Cancer Diagnosis
- Case study on Alzheimer's disease

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 16.08.2019. If selected, they should confirm their participation in time.

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 on chargeable basis.
- 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.

IMPORTANT DATES

Last date for receipt of Application: 16.08.2019
Intimation to Participants: 17.08.2019
Confirmation by Participants: 20.08.2019

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



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SEMINAR ON

"DEEP LEARNING TECHNIQUES IN HEALTHCARE APPLICATIONS: RESEARCH PERSPECTIVE"

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 : _____