## 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 training programme for the entire duration. I also under take the responsibility to inform the coordinator, in case I am unable to attend the training programme.

Place :

Date :

Signature of the applicant

## SPONSORSHIP CERTIFICATE

Mr/Ms/Dr_____
_____ is an employee of our Institute / Organization and is hereby sponsored by us. He / She will be permitted to attend the training programme, if selected, for the entire duration.

Office Seal

Signature of the
Sponsoring authority

Place :
Date :

Application form completed in all respects to be sent to:

**Dr. C.S.Kanimozhi Selvi**
Coordinator
Hands on AI: Practical Deep Learning Techniques and Applications
Department of AI,
Kongu Engineering College
Perundurai, Erode-638 060, Tamil Nadu.

## ABOUT THE COLLEGE

Kongu Engineering College, a leading research oriented institution with excellent facilities, is run by Kongu Vellalar Institute of Technology Trust and was established in the year 1984. The Programmes of the institute are accredited by NBA and the institute is accredited by NAAC with A++ grade. It is an autonomous institution affiliated to Anna University, Chennai. It consists of 167 acres of land richly endowed with beautiful Greenland. The college has completed 40years of dedicated and excellent service to the people of India and abroad in the field of Technical Education. The college offers 17 UG Programmes, 7 PG Programmes and 16 Research Programmes in Engineering, Applied Sciences and Management The National Institutional Ranking Framework (NIRF) of the Ministry of Education has ranked Kongu Engineering College within the band of 101 to 150 in engineering category for the year 2023. Kongu Engineering College also participated in 2023 NIRF Innovation ranking and is positioned in the band of 51to100 under this category. The institution has established Technology Business Incubator (TBI) supported by Department of Science and Technology, Government of India in its campus. TBI@KEC has won the National Award, for the best TBI in India, presented by President of India. The institution has received research grants amounting to Rs. 31.64 Crores from various funding agencies like AICTE, UG, DST, SIR, DIT, MNRE, ICSSR etc and has also executed industrial consultancy work to the tune of around Rs.7.11 Crores.

## ABOUT THE DEPARTMENT

Department of AI was started in the year 2021 with B.Tech (AIML) and B.Tech (AIDS) Programmes. The department is recognized to offer the research programme Ph.D. These programmes will prepare students to design, develop and apply AI and DS based solutions to real world business challenges. The students will be equipped with skills to become an innovator and will be capable of contributing to humanity at a larger extend.

## 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. It is well connected by road & rail.

Estd : 1984

Transform Yourself

# HANDS ON AI: PRACTICAL DEEP LEARNING TECHNIQUES AND APPLICATIONS

27.09.2024

## Coordinators

**Dr.C.S.Kanimozhi Selvi**

**Dr.K.S.Kalaivani**

**Organized by**

**Department of Artificial Intelligence**
**&**
**CoE in Intel Unnati Lab in AI**
**Kongu Engineering College**
**Perundurai – 638 060 Erode Tamilnadu**

**Mobile No : 9842168224, 9443208794**

**E-mail :** kanimozhi@kongu.ac.in
kalaivani@kongu.ac.in

**Website:** www.kongu.ac.in

## OBJECTIVE

The workshop aims to provide participants with a solid foundation in deep learning by exploring its practical applications through hands-on experiments. By the end of the workshop, participants will be able to gain a thorough understanding of fundamental deep learning techniques, including DNNs, CNNs, RNNs, LSTMs, and GANs. The workshop will equip participants with the necessary skills to implement and experiment with deep learning models in various engineering and real-world applications, empowering them to contribute effectively to AI-driven projects.

## COURSE TOPICS

- Solving XOR problem using DNN
- Character recognition using CNN
- Face recognition using CNN
- Language modeling using RNN
- Sentiment analysis using LSTM
- Parts of speech tagging using Sequence to Sequence architecture
- Machine Translation using Encoder-Decoder model
- Image augmentation using GANs

## PARTICIPANTS

Faculty from AICTE approved Engineering Colleges, Polytechnics, Research scholars, UG and PG students with relevant background.

## FACULTY

Sessions will be handled by experienced academicians from Kongu Engineering College.

## BOARDING AND LODGING

Boarding will be provided for the selected participants in the college campus on-demand basis.

## REGISTRATION DETAILS

| Details | Amount |
|---|---|
| Registration fee | Rs. 500(Inclusive of tax) |

Demand Draft for the registration fee must be drawn in favour of "IIP Cell Grant in Aid Account" payable at Perundurai or gpay to 9443208794. Certificate will be provided for all participants.

## HOW TO APPLY

The applicants can send their applications in the specified format on or before 23.09.2024. Participants may fill the google form using the link, https://forms.gle/vrqNaxbazJpKk5az7 for registration. As the seats are limited, the participants will be selected based on first come first serve basis for attending the training in physical mode.

**CLICK HERE FOR REGISTRATION:**
**https://forms.gle/vrqNaxbazJpKk5az7**

## SCHEDULED DATES

Last date for receipt of applications: 23.09.2024

Intimation of selection : 24.09.2024

Confirmation by participants : 25.09.2024


**DEPARTMENT OF ARTIFICIAL INTELLIGENCE**
**&**
**COE IN INTEL UNNATI LAB IN AI**
**KONGU ENGINEERING COLLEGE**
(Autonomous)
**PERUNDURAI, ERODE- 638 060, TAMILNADU**


# HANDS ON AI: PRACTICAL DEEP LEARNING TECHNIQUES AND APPLICATIONS

**APPLICATION FORM**

Name :

Age :

Designation :

Organization :
Address for Communication :

Phone No. :
E-mail ID :
Qualification :

Experience :
Teaching : _____ Years
Others (Specify) : _____ Years

Demand Draft Details:
(Number, Bank & Date)

Need Accommodation (Yes / No):