

## 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 undertake the responsibility to inform the coordinators in case I am unable to attend the course.

Place :

Date :

Signature of the Applicant

## SPONSORSHIP CERTIFICATE

Mr/Ms/Dr \_\_\_\_\_ is an employee/student of our Institute and is hereby sponsored. He / She will be permitted to attend the course for the entire duration, if selected.

Office Seal

Signature of the  
Sponsoring authority

Place:

Date:

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

**Dr.T.Meeradevi**

Professor/Co-ordinator

**National Seminar on “Forecasting crop yield in precision farming using Deep Learning models.”**

Dept of Electronics and Communication Engg,  
School of Communication and Computer Sciences  
Kongu Engineering College  
Perundurai, Erode-638 060, TamilNadu.

## ABOUT THE COLLEGE

Kongu Engineering College was established in the year 1984. Approved by AICTE, New Delhi and 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 programmes, 19 PG programmes and 16 Research programmes in Engineering, Applied Sciences and Management imparting high quality value-added education in India. The college has got NBA accreditation for UG programmes, Best Engineering College award, Best Principal award twice. The institution is ranked high among the Engineering Institutions in India by various surveys conducted by reputed magazines/journals/organization. In the survey conducted by MHRD in the name NIRF (National Institution Ranking Framework), the Institution has bagged 99th rank among all Engineering institutions in India including premier institution like IITs, NITs, etc., and the Institution has also bagged AICTE clean campus award. The institution has established a 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 on Technology Day in New Delhi on 11th May,2013

## ABOUT THE DEPARTMENT

The Electronics and Communication Engineering department occupies a prominent place in the annals of its academic history. The specialization of the faculty includes Telecommunication System Engineering, Computer Networks, Power Electronics, Control Systems, VLSI, Bio-Medical Engineering, Digital Signal Processing, Microwave Systems, Automation, Instrumentation and Control etc. The department has excellent laboratory facilities in the areas like Networking, Microprocessors, Electronics, Communication, VLSI, Digital Signal Processing, Microwave, RF, Multimedia, Fibre, optic Communication, Computer Hardware and Maintenance and Computer Centres with latest software. The department offers four year UG programme in ECE and two year PG programmes in VLSI Design, Communication Systems and Embedded Systems.



Transform Yourself

**CSIR Sponsored National Seminar on  
“Forecasting crop yield in precision farming  
using Deep Learning models.”**

**Date: 07.09.2019**

**Co-Ordinators**

**Dr.T.Meeradevi  
Professor**

**Ms.S.Preethi  
Assistant Professor  
&**

**Mr.A.Arun Prakash  
Assistant Professor**

**Organized by  
Department of Electronics and Communication  
Engineering  
School of Communication and Computer  
Sciences**

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



## OBJECTIVE

Decision Support Systems (DSS) in the past were addressed using statistical methods or simple machine learning models. In the recent years, with the availability of abundant data, it is been demonstrated that the deep learning predictive models such as Convolutional neural network (CNN), Recurrent Neural Networks (RNN) and their combinations are outperforming well than the conventional machine learning predictive models. Therefore, such deep learning models have potential to create a more accurate DSS than existing methods. This seminar intends to set a platform for both agricultural scientist and deep learning engineers to address the said issue using recent deep learning models. The seminar will also pave the way to create more research scholars, industrialist and professionals focusing solely to address issue of developing highly accurate decision support systems.

### Topics to be covered:

- 1.) Effect of environmental factors on Crops
- 2.) National Importance on crop yield prediction and precision farming
- 3.) Introduction to various Deep Learning Models
- 4.) Convolutional Neural Networks (CNN) for Image Analysis and Recurrent Neural Net (RNN) for time series data.
- 5.) Recent trends in adapting deep learning models for crop yield prediction

## RESOURCE PERSONS

Sessions will be handled by experts from Industry and Entrepreneurs.

## ELIGIBILITY

Faculty members working from Engineering, Colleges, Research scholars, PG Students, Industry Persons from relevant background of Sciences and Engineering

## BOARDING AND LODGING

Boarding and lodging will be provided to the participants in the college campus on chargeable basis.

## HOW TO APPLY

The applicants should send their applications in the specified format to reach us on or before 28.08.2019. If selected, they should confirm their participation as per schedule below.

## REGISTRATION FEE DETAILS:

No Registration Fee

## LOCATION

The college is situated at Perundurai on the National highway (NH 47) about 80 kms from Coimbatore and 20 kms from Erode. It is well connected by road and rail.

## SCHEDULED DATES

Last Date for Receipt of Applications: 28.08.2019  
Intimation of Selection : 01.09.2019  
Confirmation by Participants : 03.09.2019

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

**CSIR Sponsored National Seminar on**  
**“Forecasting crop yield in precision farming**  
**using Deep Learning models.”**

**Date: 07.09.2019**

### APPLICATION FORM

Name :

Department :

Educational  
Qualification :

Age :

Organization :

Designation :

Address for  
Communication:

E-mail ID :

Mobile Number:

Need Accommodation: Yes/No

**Signature of the**  
**Sponsoring Authority**

**Signature of the**  
**Applicant**