

KONGU ENGINEERING COLLEGE

(Autonomous)

PERUNDURAI, ERODE - 638 060 TAMILNADU INDIA (Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)



DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING Ph: 04294-220562, 220583 EXT:550 (EIE) Fax: 04294 - 220087 Website: www.kongu.ac.in

Dr. S.VIJAYACHITRA Professor and Head

05.10.2020

Ref: TNSCST/PFA/SSW/VR/Batch-2/73/2019-20/12415, Dated: 28.09.2020

To

Dr. R.Srinivasan, Member Secretary Tamilnadu State Council for Science and Technology (TNSCST) Sardar Patel Road DOTE Campus Chennai-600 025

Respected Sir.

Subject: TNSCST Sponsored seminar- ONLINE mode - change in schedule-regarding

First of All, we thank TNSCST for approving partial financial support for conducting National level seminar on "Deep Learning Techniques for Military Surveillance Applications" scheduled during 06.02.2020 & 07.02.2020.

As the seminar was not conducted as per the proposed schedule, we would like to conduct the seminar during 02.11.2020 & 03.11.2020 by ONLINE mode. We request you to kindly grant permission to conduct the seminar by online mode during newly proposed dates.

Thanking you

Yours Sincerely,

(S.VIJAYACHITRA)

Convener

Programme Report for the Sponsored Seminar

TNSCST Ref No. &	TNSCST/PFA/SSW/VR/Batch-2/73/2019-20/12415,
Date	Dated: 28.09.2020
Nature of the activity	: Seminar
Duration with dates:	: Two days – 02.11.2020 and 03.11.2020
Topic	: National Seminar On "Deep Learning Techniques for Military Surveillance Applications"
Grant Sanctioned	Rs.20,000/-

Organizing Team

Organizing Secretary & Convener:

Dr.S.Vijayachitra

Professor and Head

Department of Electronics and Instrumentation

Engineering,

Kongu Engineering College, Perundurai, Erode - 638 060, TN.

Tel.: +91 - 4294 226550,

Mobile No.: +91 – 98657 80707 E-mail: <u>svijayachitra@kongu.ac.in</u>

Co-ordinators:

Dr. N. Mahesh,
 Associate Professor,
 Department of Electronics and Instrumentation Engineering,
 Kongu Engineering College,
 Perundurai, Erode - 638 060, TN.
 Mobile No.: +91 – 999441 97349
 E-mail: mahesh@kongu.ac.in

2. Ms. M. Lizzy Nesa Bagyam,
Assistant Professor (Senior Grade),
Department of Electronics and
Instrumentation Engineering,
Kongu Engineering College,
Perundurai, Erode - 638 060, TN.
Mobile No.: +91 – 99439 60655
E-mail: lizzy@kongu.ac.in

2. Duration / Period of the organized event

: (02.11.2020 and 03.11.2020)

3. Grant Sanctioned

: Rs.20, 000/-

(Rupees Twenty Thousand Only)

4. Have you submitted the Utilization Certificate?

: Yes

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July 23/11/200

5. Brief Summary of the event

A two day national seminar on "DEEP LEARNING TECHNIQUES FOR MILITARY SURVEILLANCE APPLICATIONS" has been successfully conducted on 02 and 03 November 2020 with the financial support from TNSCST.

This national seminar deliberated the theory and implementation of machine learning techniques in the focused area of surveillance. Machine learning is an application of artificial intelligence (AI) that provides systems the ability to automatically learn and improve from experience without being explicitly programmed. Machine learning focuses on the development of computer programs that can access data and use it learn for themselves.

This seminar focused on the Drones which is used as autonomous flights with the help of dynamic automation systems and based on pre-programmed flight plans. It finds increased role in high-profile attacks execution and in avoiding conflicts. Some military versions drones can stay in air for hours or days at a time, and their high-tech cameras can scan entire cities, or alternatively.

Also, seminar throws a light on the area for further improvising research and provide the state-of-art knowledge on various aspects of machine learning techniques and Deep learning in military areas.

List of Experts

1.	Mr.G.Laxminarayanan, Founder – Myshiksha, Bengaluru
2.	Dr.S.Lovelyn Rose, Associate Professor, Department of CSE, PSG College of Technology, Coimbatore
3.	Dr.A.Athif Shah, ABE Semiconductor Designs, Chennai
4.	Dr.S.Vijayachitra Professor and Head, Department of EIE, Kongu Engineering College
5.	Mr.T. Vignesh Prabhu, System and Solution Architect, ABE Semiconductor Designs, Chennai

41 participants from various institutions are benefited through this seminar. We sincerely thank TNSCST for financially supporting to organize the seminar on this important and fast growing field in Deep Learning.

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DEEP LEARNING TECHNIQUES FOR MILITARY SURVEILLANCE APPLICATIONS

TOPICS TO BE COVERED

- >> Introduction to Artificial Intelligence
- >> Overview of Machine Learning and Deep Learning
- >> Fine tuning for deep learning
- >> Military Applications of UAVs and Drones
- >> Deep Learning for Computer Vision Systems
- >> Practical Approaches for implementing Deep learning in Computer Vision Systems
- >> Deep learning in Action

CONVENER

Dr. S. VIJAYACHITRA

CO-ORDINATORS

Dr. N. MAHESH Ms. M. LIZZY NESA BAGYAM

FREE REGISTRATION

E-CERTIFICATES WILL BE PROVIDED



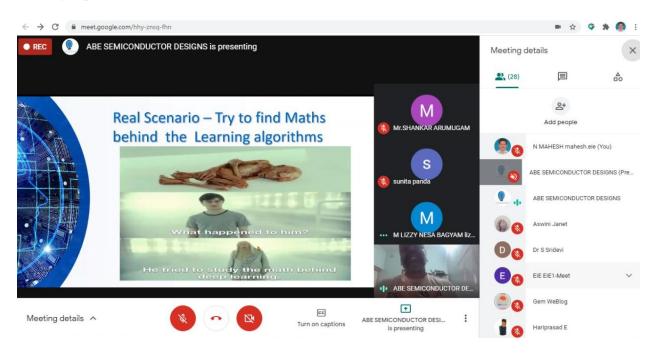


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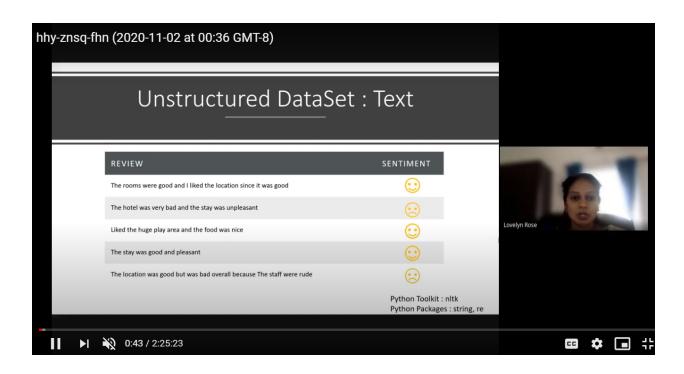
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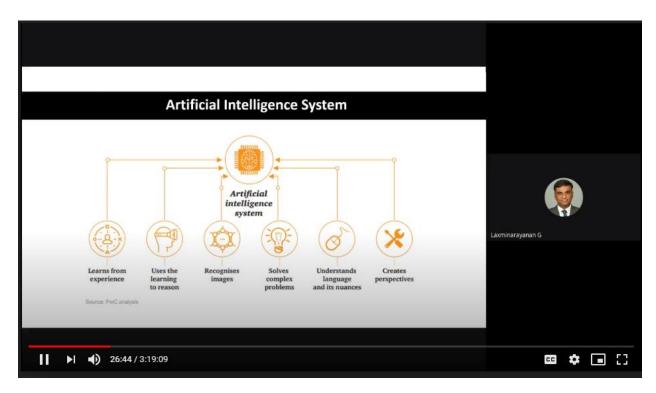


Photographs (Screenshots of sessions)









KONGU ENGINEERING COLLEGE, PERUNDURAI – 638 060 DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

TNSCST Sponsored Two Day National Seminar on "DEEP LEARNING TECHNIQUES FOR MILITARY SURVEILLANCE APPLICATIONS" (02.11.2020 & 03.11.2020)

PARTICIPANTS LIST

S.NO	NAME OF THE PARTICIPANT	DEPARTMENT	INSTITUTION Mahatma Gandhi Institute Of Technology				
1.	A. V. Lakshmi Prasuna	IT					
2.	Andrew Jebraj Godson A	EEE	Kumaraguru College of Technology				
3.	Antony Vijay J	IT	Hindusthan College of Engineering and Technology				
4.	Aswini Janet J. A	EIE	Bharathiar university				
5.	Benson Mansingh P M	ECE	Sri Ramakrishna Institute Of Technology				
6.	D.Menaga	CSE	B.S.Abdur Rahman Crescent Institute of Science and Technology				
7.	Darshan Km	BME	Srm Institute Of Science And Technology				
8.	Dr .S Sridevi	IT	Thiagarajar College of Engineering				
9.	Dr. Minaxi Shivdas Bhagwat	EDUCATION	The Maharaja Sayajirao University Of Baroda				
10.	Dr. S. Selvakanmani	CSE	Velammal Institute of Technology				
11.	Dr. SHANTHI S	CSE	Kongu Engineering College				
12.	Dr. Sunita Panda	ECE	GITAM Deemed to be University				
13.	Dr.Kamalanathan Chandran	EECE	GITAM University, Bengaluru Campus				
14.	Dr.P.Keerthika	CSE	Kongu Engineering College				
15.	Dr.Sharmilee	ECE	Nandha Engineering College				
16.	Dr.T.Joby Titus	ECE	Sri Ramakrishna Institute of Technology				
17.	G Merlin Linda	CSE	SRM Institute of Science and Technology				
18.	Gokulnath.S	ECE	Jai shriram Engineering college, Tirupur				
19.	Hariprasad E	EEE	Kumaraguru college of technology				
20.	Indhu N	CIE	Kongu Engineering College				

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KONGU ENGINEERING COLLEGE, PERUNDURAI – 638 060 DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

TNSCST Sponsored Two Day National Seminar on "DEEP LEARNING TECHNIQUES FOR MILITARY SURVEILLANCE APPLICATIONS" (02.11.2020 & 03.11.2020)

PARTICIPANTS LIST

		THE PARTIE OF TH	
21.	Jayaprakash D	CSE	Kongu Engineering College
22.	M.Sangeetha	CSE	Kongu engineering college
23.	Manjula Devi R	CSE	Kongu engineering college
24.	Aftab Ahmad Mir	IT	Shri Venkateshwara University
25.	Munaf S	ECE	Sri Ramakrishna institute of technology
26.	Nandhagopal S	EIE	bharathiar university
27.		0.0000000000	
	Padma Priya J	EECE	GITAM School of Technology, Bengalur
28.	Ragini K	ECE	CEG Campus Anna University
29.	Rajalakshmi. P	E & I	Kongu Engineering College
30.	Reshnuvi R V	EIE	Kongu engineering college
31.	Revathi P	EIE	Kongu Engineeeing college
32.	S.G.Rahul	PIP	Madras Institute Of
	S.G.Ranui	EIE	Technology, Chrompet
33.	S.Maheswari	EEE	Kongu Engineering College
34.	Sekar G	ECE	Sri Ramakrishna Institute of technology
35.	Shankar A	ECE	Sri Ramakrishna Institute of Technology
36.	Soubraylu Sivakumar	CSE	K L University
37.	Sowmya.R	ECE	College of Engineering
38.	Sudheer Reddy Bandi	CSE	Tagore Engineering College
39.	Swathi. D	EIE	Kongu Engineering College
40.	T. Vinitha	EIE	
41.	Vuvionai V		Kongu Engineering college
41.	Yuvaraj. K	EIE	Kongu Engineering College

NWSP 12020 Co-ordinators (N. Mahesh) HOD (EIE)



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DEPARTMENT OF ELECTRONICS & INSTRUMENTATION ENGINEERING





CERTIFICATE OF PARTICIPATION

This is to certify that

S.G.RAHUL

has participated in the TNSCST Sponsored Two Day National Seminar on "DEEP LEARNING TECHNIQUES FOR MILITARY SURVEILLANCE APPLICATIONS", organized by the Department of Electronics and Instrumentation Engineering, Kongu Engineering College on 02.11.2020 and 03.11.2020



Dr. N.MAHESH M.LIZZY NESA BAGYAM Co-ordinators



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Dr. S.VIJAYACHITRA

HoD / EIE

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UTILISATION CERTIFICATE

1. Scheme Partial Financial Assistance for Seminar / Symposia / Workshop

Organiser / Co-ordinator, 2. Institutional Address

Dr.S. Vijayachitra, : Professor and Head, Depostment of EIE, Kongu Engineering College, Frode - 638 060

Council Sanction Letter details 3.

. Ref No. TNSCST/PFA/SSW/VR/Batch-2/73/2019-20) 12415 Dated: 28.09.2020

Name, Venue and Date 4 etc of the event details

Amount Sanctioned

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Surveillance Applications - Co2.11.2020 & 03.11.2020

Department of EIF, Kongu Engineering College. Rs. 20,000 -

CERTIFICATE

It	is	cert	ified	that	а	sum	of	Rs	C	20,	000	_/-	(Rupees
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Orgianising Secretary / Drcs-drdmenohitra

Professor & Head Dept. of Electronics & Instrumentation Engs. Kongu Engineering College

Thoppupalayam (Po) Perundurai, Erode - 638 060

> Place: PERUNDURAT Date: 23-11-2020

Head of the Institution (Registrar / Principal / Director)

Seal of the Institution

PRINCIPAL KONGU ENGINEERING COLLEGE THOPPUPALAYAM (PO) PERUNDURAI (TK), ERODE - 638 060 TAMILNADU, INDIA