

IGNITE 2023



A DAILY NEWSLETTER

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Principal, ACT

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IQAC SEMINAR SERIES

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COUNSELLING CODE **1316**

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
in collaboration with
INTERNAL QUALITY ASSURANCE CELL
Organizes A
SEMINAR
on
CO, PO, PSO and PEO in OBE


Resource Person
Dr. Srinivasan Alavandar
Principal
Agni College of Technology

 **15.12.2023**
 **8.30am to 10.00am**
 **Seminar Hall, ACT**

Coordinator
Dr. A. Kalaimurugan
HOD / EEE

Dr. T. Anand
IQAC Coordinator



A seminar on “CO, PO, PSO, and PEO for OBE” was organised by the **Internal Quality Assurance Cell (IQAC)** in association with the **Department of Electrical and Electronics Engineering** and took place at the seminar hall of ACT. The resource person for the seminar was Dr.Srinivasan Alavandar, Principal of Agni College of Technology. The faculty members from all the departments participated in the seminar.

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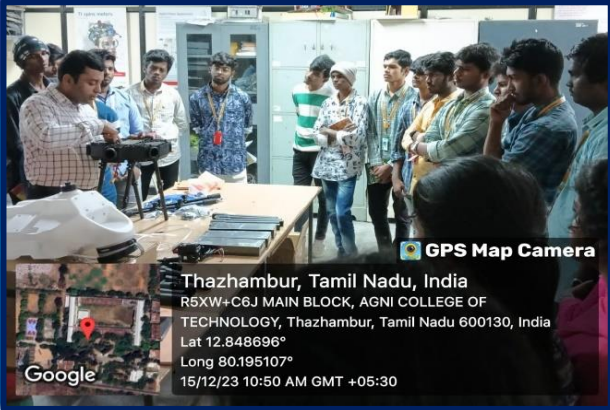


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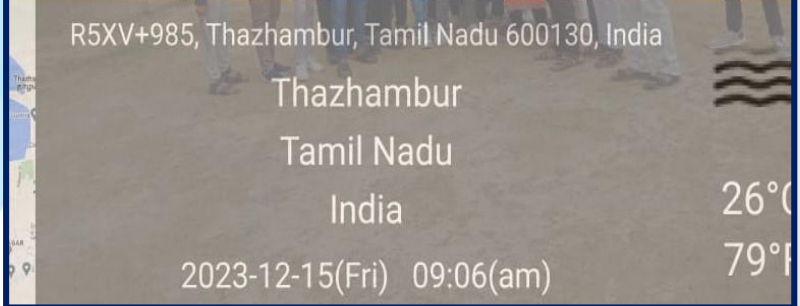
TRAINING AND SKILL DEVELOPMENT



As part of NSDC training, **Drone Assembly** training is conducted in the Texas lab for the enrolled II-year students on December 15, 2023. The training is scheduled in different timing slots from 8:30 a.m. to 3:30 p.m. About 130 students attended this training conducted by the trainers, namely, **Ms. Mathiyarasi, AERO, Dr. Ratheesh, ECE, Mr. Vishnuvaradhan, CIVIL, Mr. Arularasan, and MHT.**

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TRAINING AND SKILL DEVELOPMENT



As part of NSDC training, **Drone Flying** training is conducted at the football field for the enrolled II-year students on December 15, 2023. The training is scheduled in different timing slots from 8:30 a.m. to 3:30 p.m. About 130 students attended this training conducted by the trainers, namely, **Mr. Thandial Selvam (AERO)** and **Dr. Balaji Madhavan (CSE)**.

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FACULTY ACHIEVEMENT

Optical and Quantum Electronics (2024) 56:210
https://doi.org/10.1007/s11082-023-05932-0

Deep learning-guided femtosecond laser processing in optical materials and devices for nano fabrication advancements

V. Mohanavel¹ · G. Gandhimathi² · Diwakar Bhardwaj³ · M. Kavitha⁴ · Govindaraj Ramkumar⁵ · M. V. Ishwarya⁶ · Mohammed Ali⁷

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Abstract

This research paper explores the integration of AlexNet-guided femtosecond laser processing (GFLP) techniques in optical materials and devices to achieve significant advancements in nanofabrication. The combination of deep learning, specifically utilizing the AlexNet architecture, and ultrafast laser processing offers a novel approach for precise and efficient manipulation of materials at the nanoscale. The paper presents a comprehensive investigation of the synergistic effects of deep learning and femtosecond laser processing on various optical materials, highlighting their potential for creating intricate nanostructures and improving device performance. Experimental results demonstrate the enhanced precision, speed, and versatility of this approach compared to traditional methods. Moreover, the study sheds light on the underlying mechanisms governing the interaction between laser pulses and materials, providing valuable insights for further optimization and applications in emerging fields such as photonics, optoelectronics, and quantum technology.

Keywords AlexNet · Femtosecond laser · Optical materials · Ultrafast laser

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³ Department of Computer Engineering and Applications, GLA University, Mathura, UP 281406, India

⁴ Department of Computer Science and Engineering, K.Ramakrishnan College of Engineering, Trichy, Tamil Nadu 621112, India

⁵ Department of Electronics and Communication Engineering, Saveetha School of Engineering, Saveetha Institute of Medical and Technical Sciences, Chennai, Tamil Nadu 602105, India

⁶ Artificial intelligence and Data Science Department, Agni College of Technology, Chennai, Tamil Nadu 600130, India

⁷ Department of Chemistry, College of Science, King Saud University, Riyadh 11451, Saudi Arabia

Published online: 14 December 2023

 Springer



Dr. Ishwarya M. V., Associate Professor, Head of the Department of Artificial Intelligence and Data Science, has published a research paper titled “DEEP LEARNING-GUIDE FEMTOSECOND LASER PROCESSING IN OPTICAL MATERIALS AND DEVICES FOR NANO FABRICATION ADVANCEMENTS” in the SCI journal “OPTICAL AND QUANTUM ELECTRONICS” on December 14, 2023, indexed by SPRINGER.

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Python Programming: Fundamental Design Principles of Python



Dr.M.V.Ishwarya
G. Manimala
P.U. Sri Raja Rajeswari
P.Mohana priya
S Ramamoorthy



Dr. Ishwarya M. V., Associate Professor, Head of the Department of Artificial Intelligence and Data Science, and Ms. Sri Raja Rajeswari P. U., Teaching Assistant and Trainer, Department of Artificial Intelligence and Data Science, have published the book titled **"PYTHON PROGRAMMING: FUNDAMENTAL DESIGN PRINCIPLES OF PYTHON."** The book was published by **Notion Press** on **December 15, 2023.**

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FOX STORY
INDIA

**Women
Face Of The Year
2024**

Education/ Research

Business & Entrepreneurs

Authors/Writers

Lawyers/Doctors

Science & Technology

Artists/Sports

Publishing and Company partners

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MAGAZINE

DEAF & DRY

TASMAY

Dear **ishwarya srinivasan**

We would like to inform you that your name is forwarded
for Second & Final Round

Fox Story India is a **Google-verified** Media platform of India. **Fox Story India** has its official Magazine that has massive online presence and on Demand - print edition.

Women Face of the Year is Femina Oriented Title, brought to you by Fox Story India. We will have 2 edition of the Title & Process starts from JAN 2024. We are looking for Faces that can be inspiration to readers, viewers and audiences for the complete year of 2024.

Fox Story India List of **Top 100 Ranks First in Google Search**. We have top national media as our partner for publishing our official List. Some of the Major Media's are **Zee News , Hindustan Times , Business Standard** and many more.

Dr. Ishwarya M. V., Associate Professor and Head of the Department of Artificial Intelligence and Data Science, has been selected for the second and final rounds of **FOX INDIA STORY** for the award titled **“WOMEN FACE OF THE YEAR 2024.”**

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Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India



INTELLECTUAL
PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

Application Details	
APPLICATION NUMBER	202241033859
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	14/06/2022
APPLICANT NAME	1 . Dr.S.Geerthik 2 . R.Keerthana 3 . Mr.J.Saravanan
TITLE OF INVENTION	PLANT DISEASE DETECTION USING WEB APPLICATION
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	geerthiks@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	15/12/2023

APPLICATION STATUS

Awaiting Request for Examination

[View Documents](#)



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Dr. S. Geerthik, Head of the Department, Department of Information Technology, published an Indian patent titled **“Plant Disease Detection using Web Application”** on December 15, 2023.

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Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India



Application Details	
APPLICATION NUMBER	202241033633
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	13/06/2022
APPLICANT NAME	1 . Dr S Geerthik 2 . Suganthi P 3 . Shivanambi M
TITLE OF INVENTION	Facial Expression Detection Using Convolutional Neural Network
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	geerthiks@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	15/12/2023

Application Status	
APPLICATION STATUS	Awaiting Request for Examination
View Documents	
	
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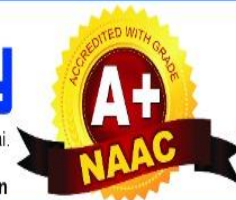
Dr. S. Geerthik, Head of the Department, Department of Information Technology, published an Indian patent titled “Facial Expression Detection using Convolutional Neural Network” on December 15, 2023.

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STUDENT ACHIEVEMENT



Banupriya K., Department of Electrical and Electronics Engineering, II year, has successfully completed an online course on **"Introduction to IoT"** on the Simplelearn SkillUP platform on December 14, 2023.

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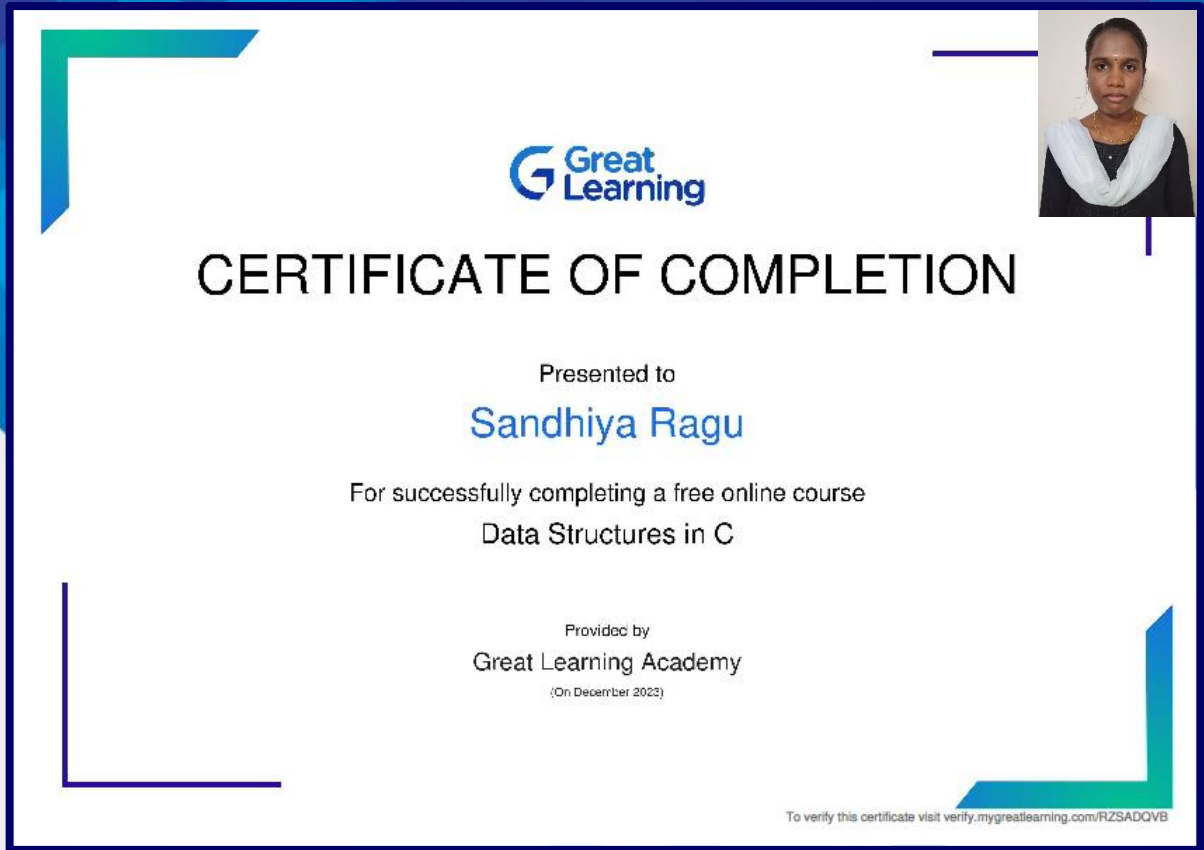


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STUDENT PARTICIPATION



Sandhiya Ragu, Department of Electrical and Electronics Engineering, II year, has successfully completed an online course on **"Data Structures in C"** on the Great Learning online platform on December 14, 2023..

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STUDENT PARTICIPATION



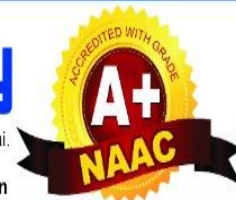
Sachin, IV Year Student, Department of Information Technology, has participated in a 7-days bootcamp in **“Python and Artificial Intelligence”** organized by AWS Community Builders in the month of November 2023.

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FACULTY REPOSITORY



Archana S – AP / EEE has captured the face with such detail, and the hairpiece is so beautifully intricate. It's truly a work of art!

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