

IGNITE 2023



A DAILY NEWSLETTER

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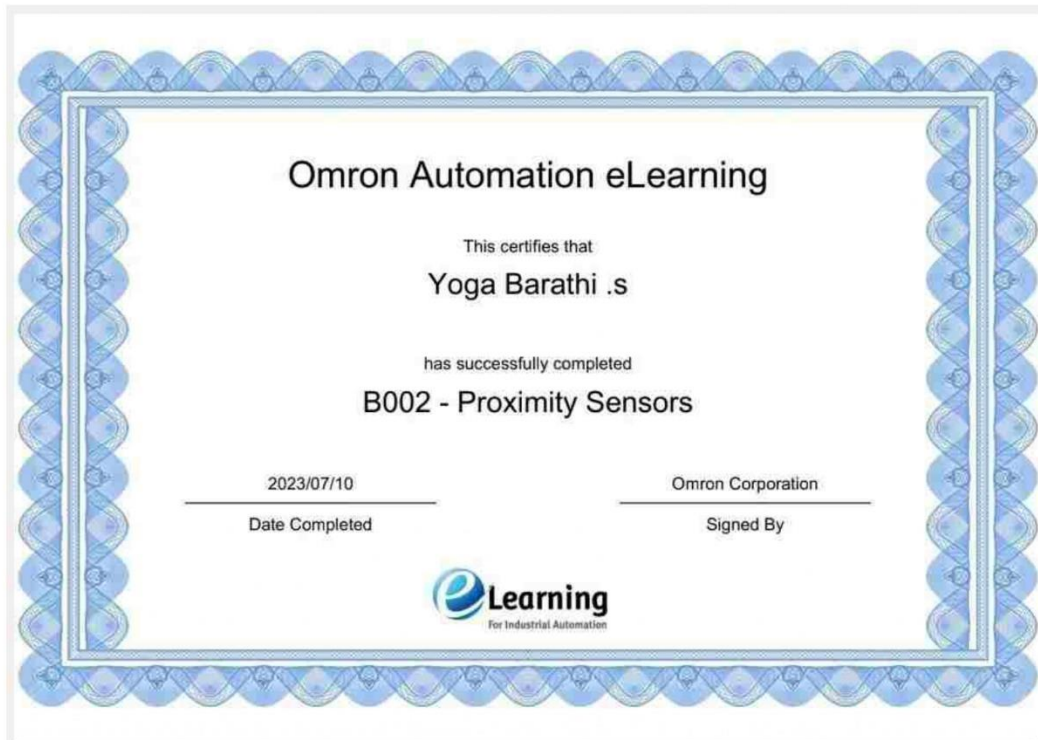
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STUDENT PARTICIPATION

S. Yaga Bharathi, I year student (CME), Department of Science and Humanities has completed the online course on B002 – Proximity Sensors offered by Omron Automation eLearning in the month of July 2023.

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STUDENT PARTICIPATION



Tharun G, IVth year student of the Department of Computer Science and Engineering has participated and successfully completed the “Quiz on Quality & Standards” conducted by Bureau of Indian Standards (BIS) and MyGov.

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STUDENT ACTIVITY



A Walkthrough for "Accenture Innovation Challenge 2023" was conducted on 1st September 2023, for ECE, MHT, IT, MAE and BME by the Third-year students from Department of Computer Science and Engineering, with necessary illustrations. The event was presided by Dr.L.Sharmila, Head of the department of Computer Science and Engineering ,convened by Mrs.L.Prinslin, AP/CSE and coordinated by the faculties of the CSE department.

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STUDENT PARTICIPATION



Jenani S, IVth year student of the Department of Computer Science and Engineering has participated and successfully completed the “Quiz on Quality & Standards” conducted by Bureau of Indian Standards (BIS) and MyGov.

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STUDENT PARTICIPATION



Course Completion Certificate

GOKUL ANBU

has successfully completed **100%** of the self-paced training course

Computer Vision Onramp

DIRECTOR, TRAINING SERVICES

1 September 2023



Gokul A, III Year student, Department of Electronics and Communication Engineering, has completed an online course on “Computer Vision Onramp” conducted by MathWorks Training Services on 1st September 2023.

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R. Umamaheshwari, S. Safrin Noorjan and K. Nishanthi, students of IV year, Department of Electrical and Electronics Engineering had undergone an Internship Training on AUTOMATION USING PLCs at the The National Small Industries Corporation Limited (NSIC) for a period of one week from 17.7.23 to 24.7.23

FACULTY ACHIEVEMENT



Journal of Engineering Research

Available online 29 August 2023

In Press, Journal Pre-proof [What's this?](#)



EXPERIMENTAL AND NUMERICAL INVESTIGATION OF PCMS ON CEILINGS FOR THERMAL MANAGEMENT

Arivazhagan R.^{a, 1}

[Antony Arul Raj. V.^b](#)

[Geetha N.B.^c](#)

Pandiyarajan R.^a

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<https://doi.org/10.1016/j.jer.2023.08.023>

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Mr.R.Arivazhagan, Assistant Professor and Dr.R.Pandiyarajan, Head, Department of Mechatronics Engineering has published an article on Experimental and Numerical Investigation of PCMS on ceilings for Thermal Management in the Journal of Engineering Research published by Elsevier available online from 29th August 2023.

FACULTY PARTICIPATION



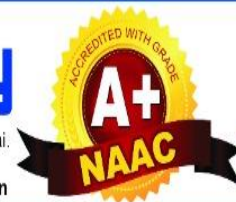
Mr.A.Surenderpaul, Assistant Professor, Department of Aerospace Engineering, has participated in a webinar on the topic of Introduction to PLM and its carrier opportunities held on August 31, 2023.

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FACULTY PARTICIPATION



Sujatha.M.P, Assistant Professor, Department of Computer Science and Engineering has participated and successfully completed the Quiz on “Prepare to Prevail: Disaster IQ Test-Test Your Preparedness Skills” conducted by MyGov.

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FACULTY ACHIEVEMENT



(12) PATENT APPLICATION PUBLICATION (21) Application No.202341049441 A
(19) INDIA
(22) Date of filing of Application :21/07/2023 (43) Publication Date : 01/09/2023

(54) Title of the invention : AN INTELLIGENT SYSTEM FOR WEATHER MONITORING AND NATURAL DISASTERS PREVENTION USING INTERNET OF THINGS

(51) International classification	G01W0001/00000, G06Q001/0060000, G01W0001/020000, H04L006/7010000, G06Q0010/40000
(86) International Application No	PCT//
Filing Date	01/01/1900
(87) International Publication No	NA
(61) Patent of Addition to Application Number	NA
Filing Date	NA
(62) Divisional to Application Number	NA
Filing Date	NA
(71)Name of Applicant :	1)Dr.G.Saibaba Address of Applicant: Professor Department of ECE, V4 Tech Rangarajan Dr.Sagarshala R&D Institute of Science and Technology, Chennai Pin:600062
2)Dr.A.Vijayaraj	3)P. Chitra
4)Dr.R.Deebalakshmi	5)Dr.R.Shalinirajan
6)Mr.Zahariya Gabriel J	7)Dr.A.Arunkumar
8)Mr.Kumar A	9)Mr.A.Nidheya
10)Dr. J. Rajeswari	Name of Applicant : NA
Address of Applicant : NA	(72)Name of Inventor :
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3)P. Chitra	Address of Applicant: Assistant Professor Department of ECE Agni College of Technology Thalambur, Chennai-130
4)Dr.R.Deebalakshmi	Address of Applicant: Assistant Professor, Department of Computer Science and Engineering, SRM Institute of Science and Technology, Tiruchappalli Campus,
5)Dr.R.Shalinirajan	Address of Applicant: Assistant Professor Department of Computer Science and Engineering Pannalar Engineering College, Bangalore Trunk road, Vandalanayana, Ponnammale, Chennai-600123
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9)Mr.A.Nidheya	Address of Applicant: Assistant Professor Computer Science and Engineering R.M.K College of Engineering and Technology, Thiruvallur
10)Dr. J. Rajeswari	Address of Applicant: Assistant professor Department of ECE Agni College of Technology, Thalambur Chennai, 600119

(57) Abstract
ABSTRACT AN INTELLIGENT SYSTEM FOR WEATHER MONITORING AND NATURAL DISASTERS PREVENTION USING INTERNET OF THINGS The present invention discloses an intelligent system for weather monitoring and natural disasters prevention using Internet of Things (IoT) and Artificial Intelligence (AI). The system comprises plurality of IoT weather sensors to collect real-time weather information, including temperature, humidity, wind speed, atmospheric pressure, and precipitation. The collected information is processed and analyzed by a processing unit equipped with AI module, to identify patterns, predict weather conditions, and detect potential natural disasters. The system includes a user interface that provides real-time weather information, forecasts, and alerts to users, as well as a decision support system that offers recommendations and proactive preventive measures based on the analyzed data and predicted risks. By leveraging IoT and AI technologies, the intelligent system enhances the accuracy and timeliness of weather monitoring, enables early detection of natural disasters, and supports effective preventive strategies, ultimately contributing to improved safety and resilience in the face of weather-related challenges. Figure 1 shall be reference figure

No. of Pages : 18 No. of Claims : 8



Ms. P. Chitra and Dr. J. Rajeswari, Assistant professors, Department of Electronics and Communication Engineering have published a patent application on “An Intelligent System for Weather Monitoring and Natural Disasters Prevention Using Internet of Things” on 01.09.2023

ISRO LAUNCHED ADITYA -L1 SATELLITE



On September 2, 2023, students from the department of aerospace engineering had the opportunity to witness the live launch of India's inaugural solar mission, Aditya L1, which was successfully carried out from the Sathish Dhawan Space Center (SDSC) at Sriharikota in Andhra Pradesh.

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TRAINING



The Information Technology Students, III year, attended a training course on Aptitude under Prepinsta platform on 31th August 2023 supervised by IT Department faculties.

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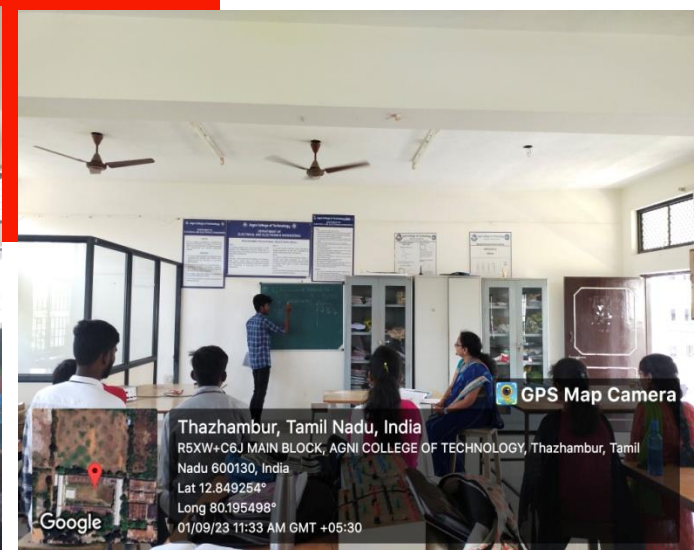
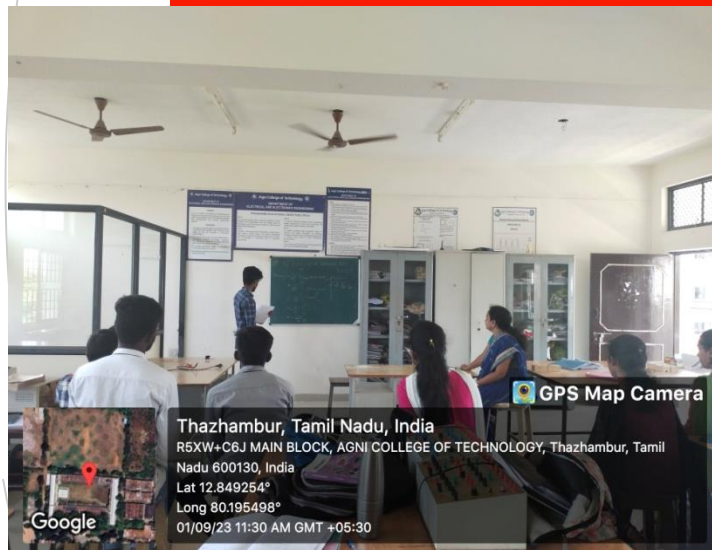
SIH AWARENESS



Neha, III Year Student, Department Of Information Technology, interacted with the third year students on 1st September 2023 along with Mrs. Lakshmi Priya (Department Agni Pride Coordinator) regarding the awareness about Smart India Hackathon (SIH).

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CLASS ROOM ACTIVITY



Kavipriya N., Sanjay K. and Madhavan M. , students of III year – Department of Electrical and Electronics Engineering had presented a seminar in the topics of Buck and Buck boost Converter in Power Electronics subject under the guidance of Ms.Anuja Prashant Diwan, Assistant professor on 01.09.2023.