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Sri Krishna College of Technology

An Autonomous Institution
Affiliated to Anna University and Approved by AICTE
Accredited by NAAC with 'A' Grade
KOVAIPODUR CAMPUS, COIMBATORE - 641 042.

VOL 25- ISSUE 27
JUN 29- JUL 05, 2025

SKCT DIGEST

THE PRIDE OF OUR REFLECTION

ISBN NUMBER



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A heart without dreams is like a bird
without feathers.
-Suzy Kassem

Contact Us

0422-2984567 - 68
Kovaiipudur,
Coimbatore - 641 042.

ARTIFICIAL INTELLIGENCE & DATA SCIENCE

STUDENT INTERNSHIP



Ms Meera Fareena S, Ms Manopriya S, Ms Niranjana R, Ms Prithika J, Ms Nisha B, Ms Kanishka S, Ms Niveditha G and Ms Kaviya S, Students of Second B.Tech. AI&DS, completed a four-week virtual internship on **"Web Development"** at Pinnacle Labs during 07 May to 06 June 2025.





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SKCT DIGEST

VOL 25- ISSUE 27

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ARTIFICIAL INTELLIGENCE & DATA SCIENCE

FACULTY CERTIFICATION



Mr Arun Kumar R, Asst. Professor, completed the online certification course on "**Artificial Intelligence Essentials V2**" offered through Coursera and certified by IBM.



ARTIFICIAL INTELLIGENCE & DATA SCIENCE

FACULTY CERTIFICATION



Ms Deepa P, Asst. Professor, completed **"AI for Everyone"**, an online non-credit course offered through Coursera and authorized by DeepLearning AI.



CSE (IOT)

STUDENT INTERNSHIP



Mr Rithik A S, Student of Second B.E. CSE (IoT), successfully completed a one-month internship on "**C++ Programming**", offered by Pinnacle on 20 June 2025.





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CSE (CYS)

STUDENT CERTIFICATION



Mr Manasseh M, Student of Second B.E. CSE (CYS), successfully completed an online course on **"Cyber Job Simulation"**, offered by Deloitte on 02 July 2025.





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SKCT DIGEST
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CSE (CYS)

STUDENT CERTIFICATION



Mr Manasseh M, Student of Second B.E. CSE (CYS), successfully completed an online course on **"Cybersecurity Analyst Job Simulation"**, offered by Forage on 27 July 2025.



CSE (IOT)

FACULTY CERTIFICATION



Ms S Pavithra, Asst. Professor, successfully completed the online course on **"Introduction to Augmented Reality and ARCore"**, offered through Coursera on 28 June 2025.



CSE (IOT)

FACULTY CERTIFICATION



Ms S Priyadharshini, Asst. Professor, successfully completed the online course on **"Introduction to R"**, through Infosys Springboard, offered by Coursera on 16 June 2025.



CSE (AI&ML)

FACULTY PUBLICATION



Dr Naveenbalaji G, Assoc. Professor, published a research article titled **"Electrical Analytical Approach for Hydrogen Sensing of $\text{Al}_{0.43}\text{Ga}_{0.57}\text{As}/\text{La}_2\text{O}_3$:Pt-Based CSDG MOSFET"**, in Analog Integrated Circuits and Signal Processing with the volume no. 124, article no. 44, indexed in SCI/SCIE, on 24 June 2025.



CIVIL ENGINEERING

FACULTY PUBLICATIONS



Dr N Shanmugasundaram and Dr K Vedhasakthi, Asst. Professors, published and co-authored a research article titled **"Mitigating Surface Defects and Durability Challenges in Lightweight Fly Ash Concrete with CPF Liner"** Iranian Journal of Science and Technology, Transactions of Civil Engineering, indexed by Scopus.

Iranian Journal of Science and Technology, Transactions of Civil Engineering
<https://doi.org/10.1007/s40996-025-01540-0>

RESEARCH PAPER

Mitigating Surface Defects and Durability Challenges in Lightweight Fly Ash Concrete with CPF Liner

P. Gowdhamramkarthik¹ - G. Arun Kumar² - N. Shanmugasundaram³ - K. Vedhasakthi³

Received: 27 April 2025 / Accepted: 10 June 2025
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Abstract

This article investigates the influence of sintered lightweight concrete (SLWC) surface quality, carbonation, and acid resistance cast using controlled permeable formwork (CPF) liner. Carbonation and acid resistance of SLWC tend to be lower than those of normal weight aggregate concrete (NWC) owing to the higher porosity and lower density of sintered fly ash aggregate (SFA). The lower density SFA reaches towards the surface and causes non-uniform w/c ratio near the surfaces during compaction. CPF liner is an active technique that helps to enhance the properties of concrete in the cover region. In this study, image processing technique was used for studying the surface imperfections like bug holes, various tests including accelerated carbonation, acid resistance, dynamic acid resistance, sorptivity, water penetration were used for assessing surface quality and transport properties. The results showed that the SLWC surfaces cast against CPF liner revealed around a 90% reduction in bug holes, and improved performance in terms of carbonation, acid resistance, dynamic acid resistance, and water penetration by 97%, 48%, 8%, and 93%, respectively. Overall, CPF liner enhances the quality of SLWC surfaces by decreasing the bug hole ratio and improving the resistance to penetration of deteriorating agents.

Keywords Controlled permeable formwork liner · Sintered fly ash lightweight aggregate · Bug holes · Accelerated carbonation · Acid resistance · ANOVA

CIVIL ENGINEERING

FACULTY PARTICIPATION



Dr V Sathish Kumar, Assoc. Professor, and **Dr N Shanmugasundaram**, Asst. Professor, participated in the Online Faculty Development Programme on **"Structural Design and Analysis using STAAD Pro Connect"**, conducted by ICT Academy from 24 to 28 June, 2025.



CERTIFICATE OF PARTICIPATION

C.No: 025-224209
Date: 28 Jun 2025

DR.V.SATHISH KUMAR

Sri Krishna College of Technology, Coimbatore

has participated in 10 Hours of Faculty Development Program on

Structural Design and Analysis using STAAD Pro Connect (Online FDP)

conducted by ICT Academy on 24 Jun 2025 to 28 Jun 2025



CERTIFICATE OF PARTICIPATION

C.No: 025-224206
Date: 28 Jun 2025

DR.N.SHANMUGASUNDARAM

Sri Krishna College of Technology, Coimbatore

has participated in 10 Hours of Faculty Development Program on

Structural Design and Analysis using STAAD Pro Connect (Online FDP)

conducted by ICT Academy on 24 Jun 2025 to 28 Jun 2025

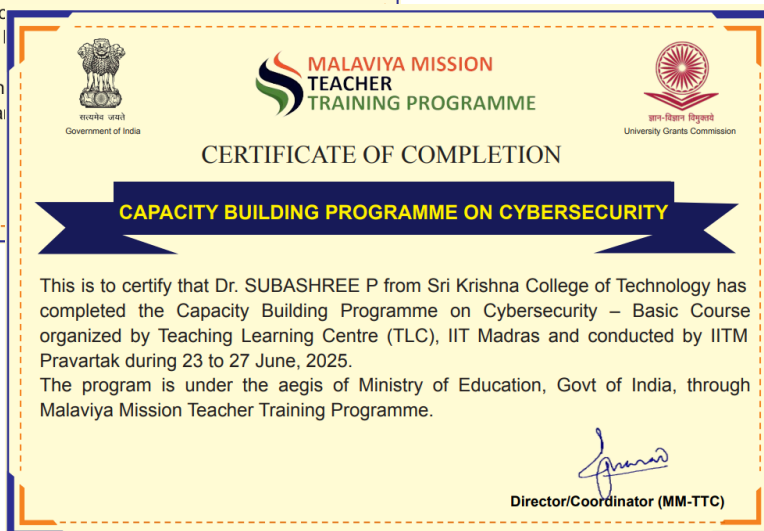
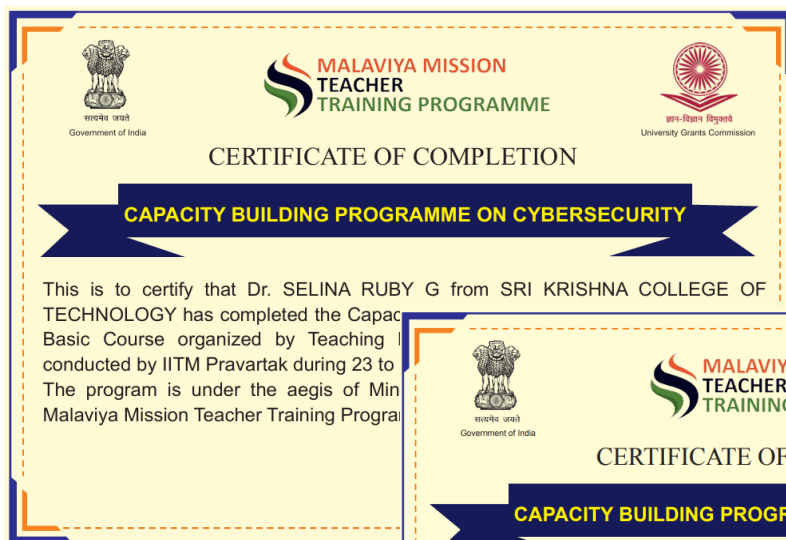


CIVIL ENGINEERING

FACULTY PARTICIPATION



Dr P Subashree, Assoc. Professor, and **Dr G Selina Ruby**, Asst. Professor, completed the **"Capacity Building Programme on Cybersecurity – Basic Course"**, organised by the Teaching Learning Centre (TLC), IIT Madras, and conducted by IITM Pravartak from 23 to 27 June, 2025.



COMPUTER SCIENCE AND ENGINEERING

FACULTY PUBLICATION



Dr M Udhayamoorthi, Assoc. Professor, published a research paper titled **"A Blockchain-based Lightweight Security Framework for IoT-Enabled Smart Healthcare Systems"** at the 2025 Third International Conference on Augmented Intelligence and Sustainable Systems (ICAISS), held on 24 June 2025.



COMPUTER SCIENCE AND ENGINEERING

FACULTY PARTICIPATION



Dr M Kavitha Margret, Ms S Vidhiya and Ms K M Madhumitha, Faculty Members of the Department of CSE, successfully completed the Faculty Development Programme on **"Big Data Analytics"**, organised by CT Academy and C-DAC Hyderabad, under the Ministry of Electronics & Information Technology (MeitY), Government of India from 23 to 27 June 2025.



COMPUTER SCIENCE AND ENGINEERING

STUDENT PARTICIPATION



Ms Abinaya K, Ms Harini R and Ms Brindha S, Students of Final B.E. CSE, completed an online course on **"UI/UX Design with Sketch: Travel Booking App"**, offered through Coursera.

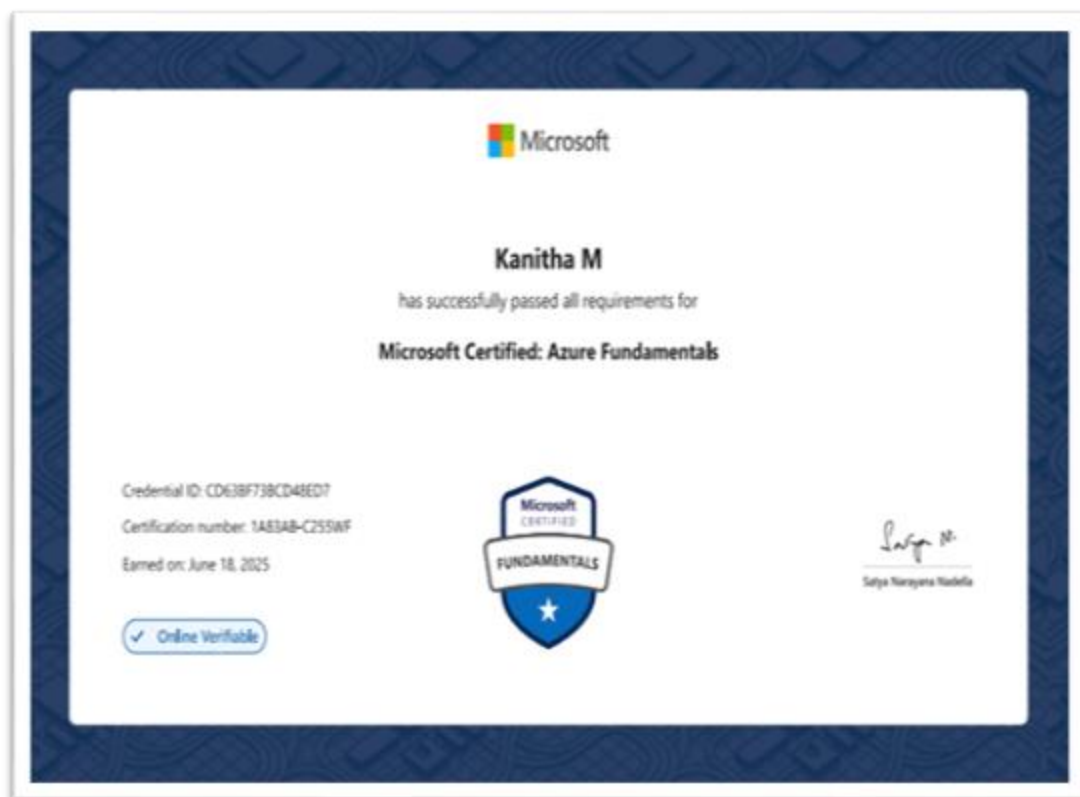


COMPUTER SCIENCE AND ENGINEERING

STUDENT CERTIFICATION



Ms Kanitha M, Student of Final B.E. CSE, completed the certification on **"Microsoft AZ-900 Fundamentals"**, offered by Microsoft.



COMPUTER SCIENCE AND ENGINEERING

STUDENT CERTIFICATION



Ms Vaishnavi K B, Student of Second B.E. CSE-E, completed and was awarded the official badge on **"Postman API Fundamentals Student Expert Programme"** conducted by Postman, a global API platform on 27 June 2025.



COMPUTER SCIENCE AND ENGINEERING

STUDENT INTERNSHIP



Ms Mahalakshmi K, Student of Second B.E. CSE, completed an internship on **"Android App Development"** at Krutanic Solutions.





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COMPUTER SCIENCE AND ENGINEERING

STUDENT INTERNSHIP



Ms Merisha R M, Student of Second B.E. CSE, completed an internship based on "**HTML, CSS and JavaScript**" at **ZHILON Solutions**.



COMPUTER SCIENCE AND ENGINEERING

STUDENT INTERNSHIP



Mr Krish N Kumaresh, Student of Third B.E. CSE B, completed a 10-day internship at the **Indian Space Research Organisation (ISRO)**, Propulsion Complex, Mahendragiri.

<p>ISRO Mahendragiri असिस्टेंट प्रोपल्शन इसरो मोहन कोम्प्लेक्स (असिस्टेंट प्रोपल्शन) महेंद्रगिरी रोड, तिरुनेलवेली डिस्ट्रिक्ट - 627 133 तमिलनाडु, भारत</p> <p>फ़ोन : 04637-281900 (ऑपरेटर) फ़ैक्स : 04637-281 (रजिस्ट्रार) मोबाइल : 04637-281618 विमोबाइल : 04637-232666 फ़ैक्समोबाइल : 04637-281567 फ़ैक्स-मोबाइल : 04637-281547</p>	<p>भारतीय अंतरिक्ष अनुसंधान संगठन</p>	<p>Government of India Department of Space ISRO Propulsion Complex (IPRC) Mahendragiri PG, Tirunelveli District - 627 133 Tamil Nadu, India</p> <p>Telephone : 04637-281900 (Operator) Fax : 04637-281 (Rdn.) Fax-Admin : 04637-281618 Fax-Purchase : 04637-232666 Fax-Store : 04637-281567 Fax-Accounts : 04637-281547</p> <p>Date: 09.06.2025</p>
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Certificate

This is to certify that **Mr. Krish N Kumaresh** studying second year B.E. in Computer Science and Engineering at **Sri Krishna College of Technology, Coimbatore** has undergone In-Plant Training in the facilities at IPRC, Mahendragiri as per the details given below.

<p>Areas in which Training was Imparted :</p> <p>Period of In-Plant Training :</p> <p>Name & Designation of the Mentors :</p> <p>Performance and Interest shown by the student :</p> <p>Conduct of the Student during the course of the training :</p>	<ul style="list-style-type: none"> • Computer Networking System, Overview of application software and Application of computer for liquid rocket engine testing. • Software Development • Measurement & Data Acquisition System, Command System of Liquid Rocket Engine test facilities and PLC system • Assembly and Integration of Vikas Engine of PSLV. • Test Facilities for Testing Vikas Engine and RCS Engine of PSLV, LAM & AOCs of Spacecrafts. • Cryogenic Engine Test facilities. <p>27.05.2025 to 09.06.2025</p> <ol style="list-style-type: none"> 1. Shri. K.S. Srinivasan, DDH, CN&ES 2. Smt. T. Anitha, DDH, COWAA 3. Smt. A. Cross Sapna, DDH, TCEM 4. Smt. S. Sweet Annie Grace, DH, MTID 5. Shri. M. Jeen Britto, DH, AIIS&LHP 6. Shri. B. Jobel Ratnam, GH, ETIG 7. Dr. D. Gilbert Chandra, GD, ETIG 8. Shri. S.S. Munagan, GD, CTIG 9. Shri. B Hari Kumar, DH, ETIG <p>Excellent</p> <p>Excellent</p>
--	--

(S. Krishna Diwakar)
 DDH, PPED

भारतीय अंतरिक्ष अनुसंधान संगठन ISRO Indian Space Research Organisation

COMPUTER SCIENCE AND ENGINEERING

STUDENT PARTICIPATION



Mr Krish N Kumaresh, Student of Third B.E. CSE B, attended a **"Symposium"** and also participated in the **"Cultural Fest"** held at the Indian Institute of Space Science and Technology (IIST), Thiruvananthapuram.





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COMPUTER SCIENCE AND ENGINEERING

STUDENT INTERNSHIP



Ms K Thilagavathi, Student of Final B.E. CSE, secured an internship at **Myntra** with a **monthly stipend of ₹70,000**.



PERSONAL & CONFIDENTIAL

23/5/2025

Thilagavathi K,
Sri Krishna college of technology-coimbatore.

Sub: Letter of Internship

Dear Thilagavathi,

We are pleased to inform you that you have been selected by **Myntra Designs Pvt. Ltd.**, for the Internship program.

The duration of this course is 6 months starting from 7th July 2025 and concluding on 15th Dec 2025 based in our Bangalore office.

You will be paid a stipend of INR 70000 per month (TDS applicable) during your internship with us. The Company will offer you relocation support as per the terms outlined in Annexure-II of this document.

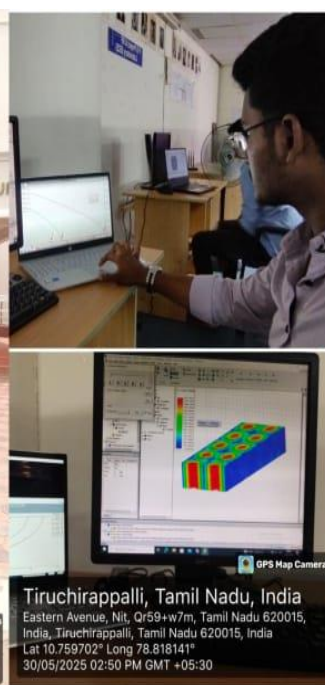
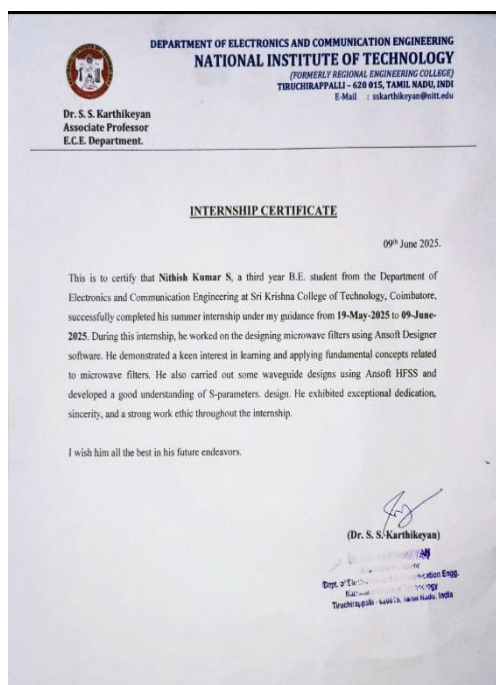
Terms & conditions

ELECTRONICS AND COMMUNICATION ENGINEERING

STUDENT INTERNSHIP



Mr S Nithish Kumar, Student of Third Year B.E. ECE attended an Internship at **National Institute of Technology**, Tiruchirappalli during 19 May 2025 to 09 June 2025.



ELECTRONICS AND COMMUNICATION ENGINEERING

FACULTY PARTICIPATION



Dr C Senthilkumar and Dr K Bagyalakshmi, Faculty members, Department of ECE, attended the FDP on **“Applied AI & ML: From Concepts to Real World Applications in Teaching”** organized by Dr MGR University, Chennai during 26 to 30 May 2025.



ELECTRONICS AND COMMUNICATION ENGINEERING

FACULTY CERTIFICATION



Dr C Senthilkumar, Assoc. Professor, completed an Online Certification Courses on **“Introduction to Python”** offered through Coursera.



ELECTRONICS AND COMMUNICATION ENGINEERING

FACULTY CERTIFICATION



Dr S Prema, Asst. Professor, completed an Online Certification Courses on “**Quantum Computing with Qiskit and Advanced Algorithms**” offered through Coursera.



ELECTRONICS AND COMMUNICATION ENGINEERING

STUDENT ONLINE CERTIFICATION



Ms A Nesamalar, Student of Second B.E. ECE,
completed the Great Learning Course on
“Introduction to Artificial Intelligence”



ELECTRONICS AND COMMUNICATION ENGINEERING

EVENT ORGANIZED



The Department of Electronics and Communication Engineering, in association with the Department Association (KNOCKIA), organised an event titled **"Gears to Code: The Evolution of Intelligent Automotive Systems"** on 30 June 2025.

SRI KRISHNA COLLEGE OF TECHNOLOGY
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Join our seminar and unlock your unique professional potential on the topic

Gears to Code: The Evolution of Intelligent Automotive Systems

Don't Miss It!

30th June, 2025

Start 03:00pm

ES Seminar Hall

Mr Saran Ramesh
Embedded Software Engineer,
Valeo India Private Limited, Chennai.

Mr A Raja
Product Owner,
Valeo India Private Limited, Chennai.

Presided By
Dr. Sumithra M G
Principal

Convenor
Dr K Muthulakshmi,
Prof & Head/ECE

Faculty Coordinator
Mr G Santhakumar, AP/ECE

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ELECTRICAL AND ELECTRONICS ENGINEERING

FACULTY PUBLICATION



Dr Sanjana Devi V S, Asst. Professor, along with the students of ICE, published a research article titled **"Early Detection of Parkinson's Disease using Drawings Analysis with Random Forest & SC Boost Classifiers"** in the International Conference on Emerging Technologies in Computing and Communication (ETCC), organised by PES University, Bangalore, held during 26 to 27 June 2025.



ELECTRICAL AND ELECTRONICS ENGINEERING

FACULTY PARTICIPATION



Dr Lijo Jacob Varghese and Dr Suresh K P, Faculty of EEE, are participating in the AICTE-QIP-PG Certification Programme on **"Intelligent Transport Systems for Electric Vehicles"** at NITK Surathkal, Karnataka during 30 June to 11 July



MECHANICAL ENGINEERING

FACULTY PUBLICATION



Dr Vinu Kumar S M, Faculty of Mechanical Engineering, co-authored a paper titled **"Predicting the Heave Displacement of a Nonbuoyant Wave Energy Converter Using Tree-Based Ensemble Machine Learning Models"**, published in J. Ocean Univ. China (SCIE, Q3) by Springer. DOI: <https://doi.org/10.1007/s11802-025-5969-x>

J. Ocean Univ. China (Oceanic and Coastal Sea Research)
<https://doi.org/10.1007/s11802-025-5969-x>
ISSN 1672-5182, 2025 24 (4): 897-908
<http://www.sciencedirect.com/journal/journal-of-ocean-university-of-china>
E-mail: xlyw@jouc.edu.cn

Predicting the Heave Displacement of a Nonbuoyant Wave Energy Converter Using Tree-Based Ensemble Machine Learning Models

SANTHOSH Nagulan^{1, *}, VINU KUMAR Shettahalli Mantaiah²,
and SAKTHIVEL MURUGAN Erusagounder³

1) Department of Mechanical Engineering, Eastern Engineering College, Chennai 600089, India

2) Department of Mechanical Engineering, Sri Krishna College of Technology, Coimbatore 641008, India

3) Department of Mechanical Engineering, Bharat Annam Institute of Technology, Sathyamangalam 638401, India

(Received April 25, 2024; revised July 30, 2024; accepted September 9, 2024)

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Abstract Scientists have introduced new methods for capturing energy from ocean waves. Specifically, scientists have focused on a type of wave energy converter (WEC) that is nonbuoyant (i.e., a body that cannot float). Typically, the WEC is most effective when it is in resonance, which occurs when the natural frequency of the WEC aligns with that of the ocean waves. Therefore, accurately predicting the movement of the WEC is crucial for adjusting its system to resonate with the incoming waves for optimal performance. In this study, artificial intelligence techniques, such as random forest, extra trees (ET), and support vector machines, are created to forecast the vertical movement of a nonbuoyant WEC. The developed models require two variables as input, namely, the wave wave height and its time period. A total of approximately 4500 data points, which include nonbuoyant wave wave height and duration obtained from a laboratory experiment, are used as the input for these models, with the resulting vertical movement as the output. When comparing the three models based on their processing speed and accuracy, the ET model stands out as the most efficient. Ultimately, the ET model is tested using data from a real ocean setting.

Key words wave energy converter; resonance; random forest; support vector machines; extra trees

1 Introduction

Energy is one of the most dominant requirements on the global scale. The current global energy demand is significantly fulfilled by fossil fuels, such as coal and oil. Fossil fuels will have a restricted supply in the future and play a vital role in global warming (Kosar and Majid, 2020). These restrictions pave the way for scientists and researchers to explore the sustainable and eco-friendly en-

the variety of onshore/nearshore/offshore deployment possibilities, the diversity of the wave climate at various potential wave energy sites, high maintenance cost, bulky construction, and low conversion efficiency (Guo and Ringwood, 2021; Yan *et al.*, 2022). Thus, only a few of these devices have attained the energy harvesting stage in the real ocean environment. Moreover, three challenges, namely, geometry, power take-off (PTO) parameters, and layout, have to be overcome to enhance the efficiency of the WEC. Researchers have proposed different optimiza-

MECHANICAL ENGINEERING

FACULTY PARTICIPATION



Mr K Mohan, Asst. Professor, is attending the **AICTE-QIP-PG Certification Programme on "IoT"** at IIITDM Kurnool.



MECHANICAL ENGINEERING

FACULTY PARTICIPATION



Mr K Senthil Kumar and Mr M Rajeswaran, Asst. Professors, Department of Mechanical Engineering, are attending the **AICTE-QIP-PG Certification Programme** on "**Artificial Intelligence and Data Science**" at IIIT Kottayam, Kerala.



MECHANICAL ENGINEERING

FACULTY PUBLICATION



Mr K Senthil Kumar, Asst. Professor, published an article titled **"Nanostructured coatings for enhanced photothermal conversion in solar desalination systems"**, published in a Q1 journal with 6.9 Impact Factor.



MECHANICAL ENGINEERING

FACULTY PUBLICATION



Mr K Senthil Kumar, Asst. Professor, published an article titled **"Optimizing solar desalination performance using copper and silicon carbide nanoparticles"**, published in Journal of Thermal Analysis and Calorimetry (Q1, Impact Factor: 3.1).



MECHANICAL ENGINEERING

FACULTY PUBLICATION



Mr K Senthil Kumar, Asst. Professor, published an article titled **"Improving the thermal efficiency of a solar water heater by using PCM with Cu, SiC, and BN nanoparticles"**, published in Results in Engineering (Q2, Impact Factor: 7.9).



INFORMATION TECHNOLOGY

STUDENT PARTICIPATION



Mr S Sujith Kumar, Student of Third B.Tech. IT, successfully completed **Industrial Exposure Training** in the field of "**JAVA**" at CYFOTOK INFOSEC LLP.



INFORMATION TECHNOLOGY

STUDENT PARTICIPATION



Ms Harshitha Saraswathi R S, Student of Third B.Tech. IT, completed **German Language Course - Basic Level 1 and 2**, certified by Goethe Institute.

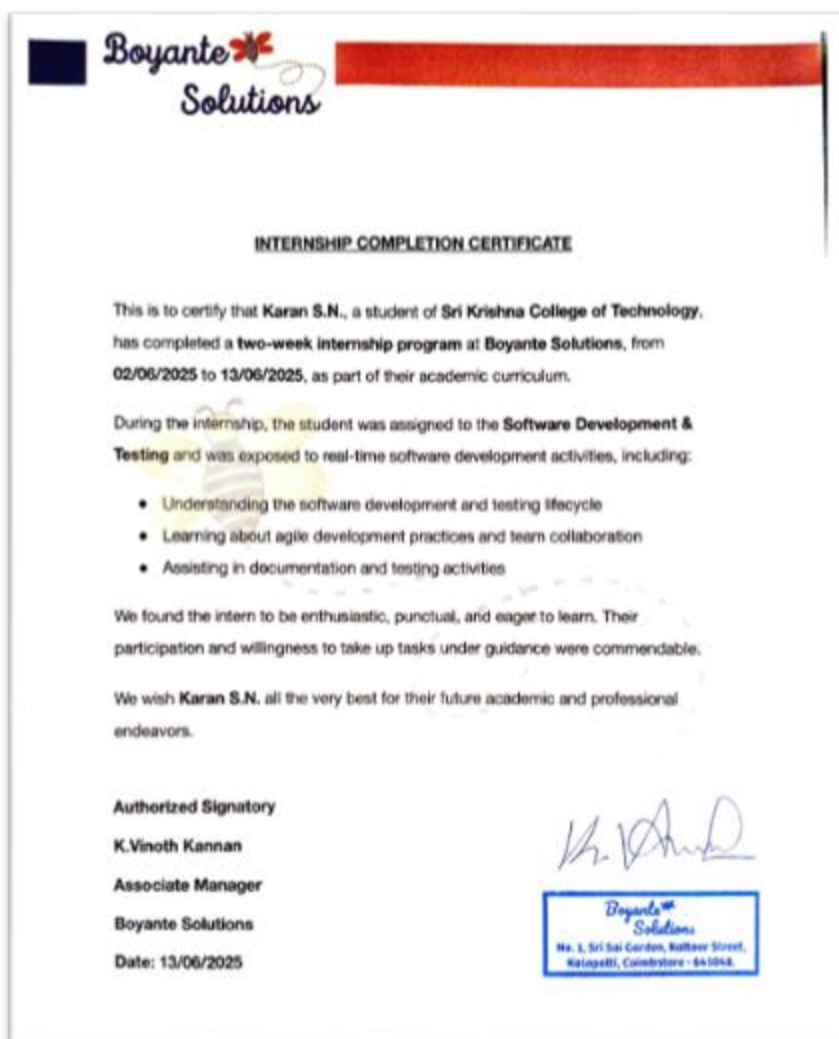


INFORMATION TECHNOLOGY

STUDENT INTERNSHIP



Mr Karan S N, Student of Second B.Tech. IT, completed a **two-week internship programme** at **Boyante Solutions**, during 02 June to 13 June 2025.



INFORMATION TECHNOLOGY

FACULTY PARTICIPATION



Ms S Saranya, Asst. Professor, participated in the Two-day National Level Seminar on **"Impact of Terahertz Technology in India by 2040: Prospects and Challenges"**, sponsored by Anusandhan National Research Foundation (ANRF), held at Sri Eswar College of Engineering, Coimbatore, during 03 and 04 June 2025.



INFORMATION TECHNOLOGY

FACULTY CERTIFICATION



Ms S Saranya, Asst. Professor, successfully completed an online course on **"Concurrent and Distributed Computing with Python"** on 03 June 2025.



INFORMATION TECHNOLOGY

FACULTY PUBLICATION



Dr T Rajesh Kumar, Assoc. Professor & Programme Co-ordinator, published a paper titled **"Efficient Classification of Abdomen Trauma Disease Using Neural Network Technique with EfficientNet Model"** in IEEE Xplore.

Efficient Classification of Abdomen Trauma Disease Using Neural Network Technique with Efficientnet Model

Publisher: IEEE

[Cite This](#)



T. Rajesh Kumar ; Sharan S ; Vigneshvara S ; Sivasuriya M [All Authors](#)

5

Full

Text Views



Abstract

Document Sections

I. Introduction

II. PROBLEM
STATEMENT

III. LITERATURE

Abstract:

The study seeks to adopt the different machine learning and deep learning algorithms in its own right, with an initial emphasis on the EfficientNet to improve image classification for detecting organ abnormalities in healthcare. The system automates this process of detection and classifies medical images into 13 classes, including "bowel healthy," "kidney high," and "spleen injury," thereby aiding the clinician in his duties at the same time, helping to reduce errors. While existing systems based on CNNs have shown to be effective, they usually require significant computational resources with large amounts of training data. Something



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MASTER OF BUSINESS ADMINISTRATION

FACULTY CERTIFICATION



Dr Piradeep S, Asst. Professor, completed the course **"Case Management"** through Infosys Springboard on 03 July 2025.



MASTER OF BUSINESS ADMINISTRATION

FACULTY CERTIFICATION



Mr Siva S, Asst. Professor, completed the course **"HR Analytics"** on 03 July 2025 through Great Learning.



SCIENCE AND HUMANITIES

FACULTY PARTICIPATION



Dr N Venugopal, Assoc. Professor, successfully completed a online course on **"Writing and Editing: Word Choice and Word Order"** offered through Coursera on 30 June 2025.



SCIENCE AND HUMANITIES

FACULTY PARTICIPATION



Dr B Kogilavani, Asst. Professor, successfully completed the following Coursera courses:

- **"Use Canva to Create Social Media Visuals for Business"**
- **"Introduction to Event Management"**
- **"Introduction to Budgeting for Events"**
- **"Use Canva to Create an Interactive Mind Map"**



SCIENCE AND HUMANITIES

FACULTY ACHIEVEMENT



Dr R Ganesh, Asst. Professor, along with **Dr K R Kanimozhi**, Assoc. Professor (S&H), and **Dr V Sathishkumar**, Assoc. Professor (Civil), submitted a project under Water Resource Management titled : **"Eco-Smart Thermo Electric Water Warmer and Cooler"**.

The project was approved by Unnat Bharat Abhiyan with a sanctioned amount of **₹1,00,000**. **Dr R Ganesh** serves as the Principal Investigator.



Subject: Approval of Proposal under Unnat Bharat Abhiyan – Water Resource Management

To: <uba@skct.edu.in>

Cc: <rganesh.r@skct.edu.in>

Dear Sir/Madam,

Greetings from UBA

I am pleased to inform you that your proposal entitled **"Eco Smart Thermoelectric Water Warmer and Cooler"** under the Unnat Bharat Abhiyan scheme, within the Water Resource Management group for 2024, has been approved by the competent authorities.

Kindly find attached the mandate form, which needs to be duly signed by you, the concerned person, and returned to us at your earliest convenience to initiate further disbursement of funds.

Thank you for your interest and valuable contribution.

Warm regards,
Dr Amradha Awasthi

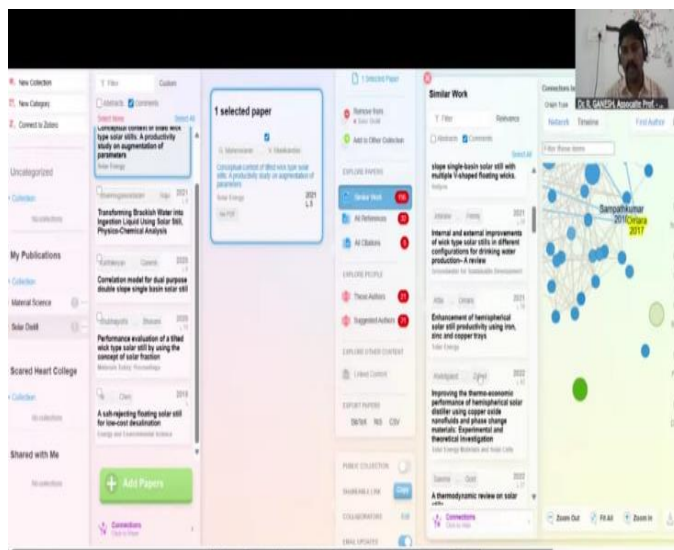
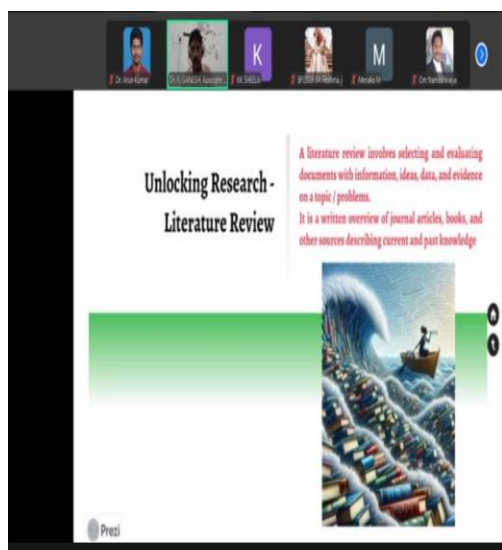
Project Executive Officer, UBA, IIT Kanpur

SCIENCE AND HUMANITIES

FACULTY ACHIEVEMENT



Dr R Ganesh, Asst. Professor, served as the Resource Person for the online Faculty Development Programme (FDP) on **"Research AI Tools – Research Rabbits"**, organised by the PG & Research Department of Biochemistry, Sacred Heart College (Autonomous), Tirupatur, on 30 June 2025.



SCIENCE AND HUMANITIES

FACULTY ACHIEVEMENT



Dr R Thilagavathy, Asst. Professor, published a paper titled **"Teachers' Perception and Practices of English Language Teaching Trends, Tools and Challenges"** in the UGC Care Group II journal - Metszet Journal, ISSN No: 2061-2710, Volume 10, Issue 6.



LIBRARY

FACULTY PARTICIPATION



Dr Athulya S, Mr Jegan MS, Mr Bala Murugan M, Ms Gowri, Faculty Members of Library Department participated in the **“One Nation One Subscription: IEEE Webinar for Librarians and Institute Administrators”** organized by IEEE on 24 June 2025.



LIBRARY

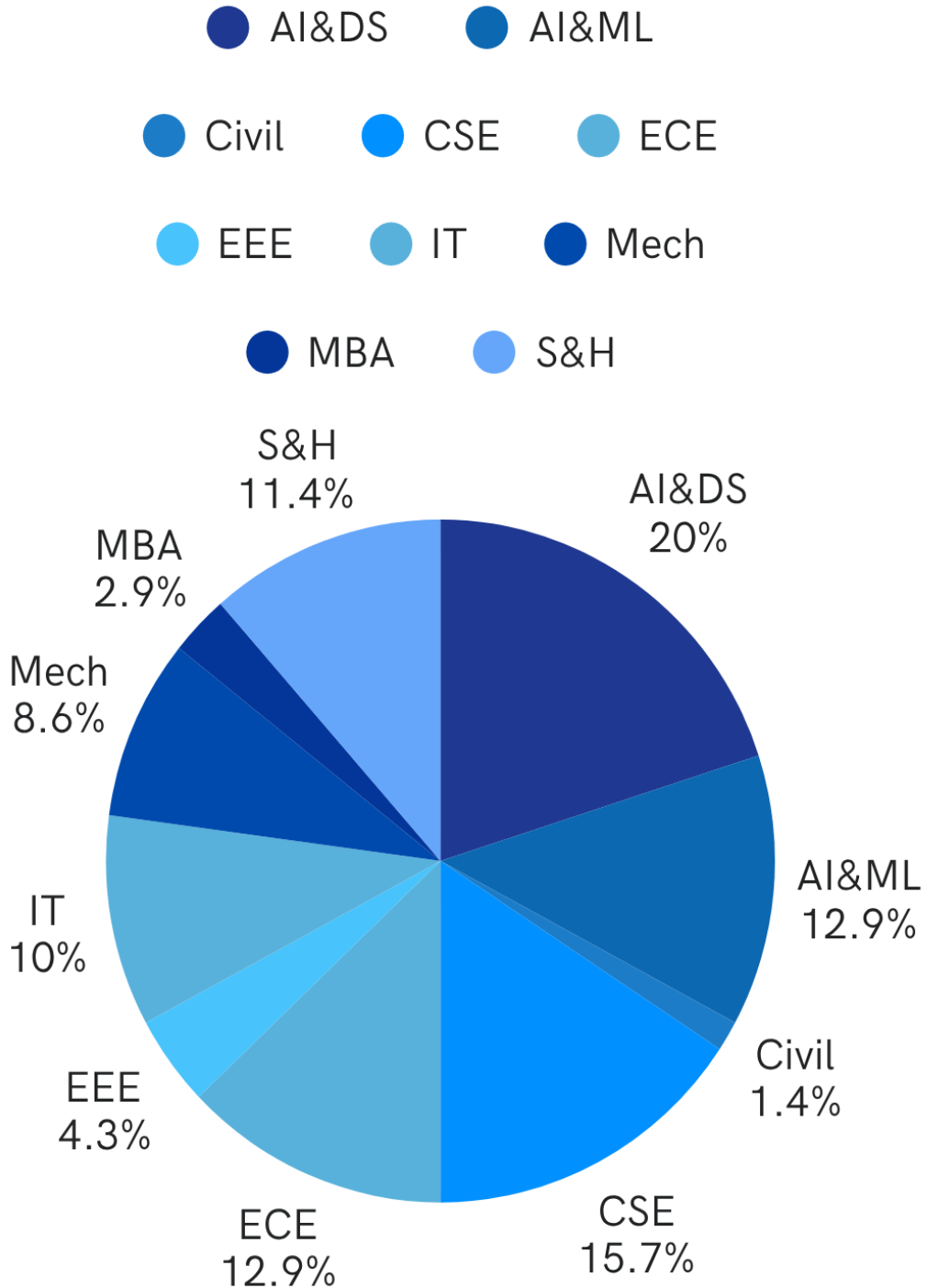
FACULTY PARTICIPATION



Dr Athulya S, HoD of the Library Department, participated in the **"J-Gate User Awareness Monthly National Webinar"**, organised by J-Gate on 28 June 2025.



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