





# SUSTAINABLE Sri Krishna DEVELOPMENT College of Technology

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

**VOL 25- ISSUE 23** JUN 01 - JUN 07, 2025









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A bird does not sing because it has an answer, it sings because it has a song -Maya Angelou

# **Contact Us**

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









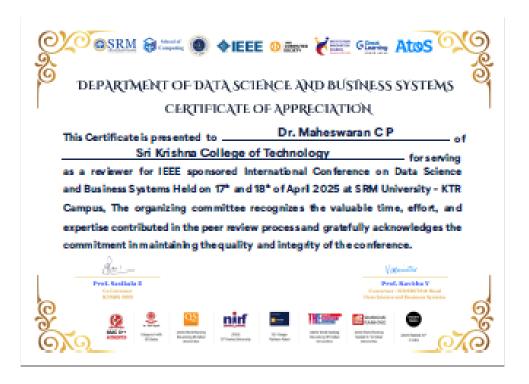


#### **ARTIFICIAL INTELLIGENCE & DATA SCIENCE**

#### **FACULTY PARTICIPATION**



**Dr C P Maheswaran**, Professor, served as a **Reviewer** for the IEEE-sponsored International Conference on "**Data Science and Business Systems"** held at SRM University – Kattankulathur Campus.

















#### **ARTIFICIAL INTELLIGENCE & DATA SCIENCE**

#### **FACULTY PUBLICATION**



Dr K Vimala, Asst. Professor, co-authored a research article titled "Multiscale Dynamic Attention Framework for Skin Lesion Segmentation and Classification". The article has been published in the International Journal of Imaging Systems and Technology, indexed in SCI, Web of Science (WoS), and Scopus.





RESEARCH ARTICLE

Multiscale Dynamic Attention Framework for Skin Lesion Segmentation and Classification

G. Prince Devaraj X. V. Vanitha, K. Vimala, Praveen Kumar Gupta

First published: 04 June 2025 | https://doi.org/10.1002/ima.70130















#### **ARTIFICIAL INTELLIGENCE & DATA SCIENCE**

#### **FACULTY PARTICIPATION**



Mr R Arunkumar, Asst. Professor, presented a paper titled "Revolutionizing Legal Workflows: Advanced Al Techniques for Document Summarization, Legal Translation, and Conversational Assistance" at ICoACT – 2025.

















#### **ARTIFICIAL INTELLIGENCE & DATA SCIENCE**

#### STUDENT PLACEMENT



Mr Thadeus Cruz Govindapillai, Student of Third B.Tech. Al&DS, got placed in Esko.



Mr Thadeus Cruz Govindapillai Reg. No: 727822TUAD057













# CSE (CYS)

#### STUDENTS' INTERNSHIP



The following Students of Second B.E. CSE (Cyber Security) completed a **31-day Internship Programme** on "Cyber Security & Ethical Hacking" during 01 May to 31 May 2025:

- Mr M Dakkshina
- Mr J P Jeeva
- Mr V Guruprasad
- Mr M Sabarinathan
- Mr S Deepak

- Mr T Padalinga Praveen
- Mr S Hariharan
- Mr KK Ram Prabhu
- Mr S Thirumurugan
- Mr M Santhosh
- Mr M Gokul Ram

















## CSE (IoT)

#### STUDENT CERTIFICATION



Mr D Ponmadhan, Student of First B.E. CSE (IoT), completed a course on "Python 101 for Data Science" through Cognitive Class on 01 June 2025.





This is to certify that

## Ponmadhan D

successfully completed and received a passing grade in

# Python 101 for Data Science

(PYO101EN, provided by IBM)

A course on cognitive class, ai
Powered by IBM Developer Skills Network,

Issued by Cognitive Class

Cognitive Class

June 1, 2025

Authenticity of this certificate can be validated by going to: https://courses.cognitiveclass.al/certificates/aa701c69b2954daa9dff9803ef0424cf















## CSE (IoT)

#### STUDENT PARTICIPATION



**Ms G Navika**, Student of First B.E. CSE (IoT), participated in "Yantra Quest: The National Technology Day 2025 Quiz" organized by the Technology Development Board (TDB) for 2025.

















# CSE (IOT)

#### STUDENT CERTIFICATION



**Ms S Jeeva Dharshini**, Student of First B.E. CSE (IoT), completed an online course on "**IoT Networking**" offered by **Coursera**.

















# CSE (IOT)

#### STUDENT CERTIFICATION



Mr F I Abinash, Student of First B.E. CSE (IoT), completed three online courses on "Introduction to C++", "Al for Everyone" and "IoT Devices" offered by Coursera.



















# CSE (loT)

#### **FACULTY CERTIFICATION**



**Mr S Shanmugaraju**, Asst. Professor, completed a course on "**Data Visualization with Python**" on 06 June 2025.

In recognition of the commitment to achieve professional excellence



shanmugaraju.s Assistant Professor

Has successfully satisfied the requirements for:

Data Visualization with Python



Issued on: Jun 06, 2025 Issued by: Coursera

Verify: https://www.credly.com/badges/78c6670a-ac95-438d-afb2-3c0ae4d1af36

TEM















# **CIVIL ENGINEERING**

#### STUDENT ACHIEVEMENT



**Mr Sriram G**, Student of Second B.E. Civil Engineering, has been recognized as an "**NPTEL Enthusiast"** for the Jan–Apr 2025 semester.















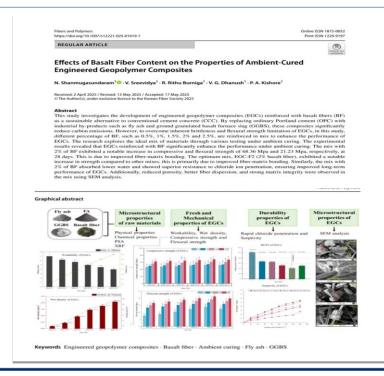


# **CIVIL ENGINEERING**

#### RESEARCH



Dr V Sreevidya, Professor & Head, Dr N Shanmugasundaram, Asst. Professor, Mr R Rithu Burniga, Mr V G Dhanush and Mr P A Kishore, Students of B.E. Civil Engineering, published a research article on "Effect of Basalt Fiber Content on the Properties of Ambient-Cured Engineered Geopolymer Composites" in Fibers and Polymers (Q2, Impact Factor: 2.2).



















#### **CIVIL ENGINEERING**

#### **FACULTY PARTICIPATION**



**Dr N Shanmugasundaram**, Asst. Professor, participated in a seminar on "R&D Funding Opportunities and Effective Proposal Writing" conducted by **Dr Rajan T P D**, Chief Scientist at CSIR-NIIST, Thiruvananthapuram.

# VOL 25- ISSUE 23 JUN 01-JUN 07, 2025

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Kovaipudur, Coimbatore - 641042.



#### CERTIFICATE OF PARTICIPATION

This certificate is proudly presented to Dr.Shanmugasundaram N

Civil Engineering

of Sri Krishna College of Technology, for participating in the Seminar on R&D Funding Opportunities and Effective Proposal Writing, handled by Dr Rajan T P D, Chief Scientist, CSIR-National Institute for Interdisciplinary Science and Technology, Thiruvananthapuram, organised by the Research and Development Cell on 06 June 2025.

Dr. S. Sundararaj

R&D Cell Convener

Certificate ID: SXX8WE-CE000010

The feedback response submitted by shanmugasundaram.n@skct.edu.in on 6/6/2025 (MM/DD/YYYY













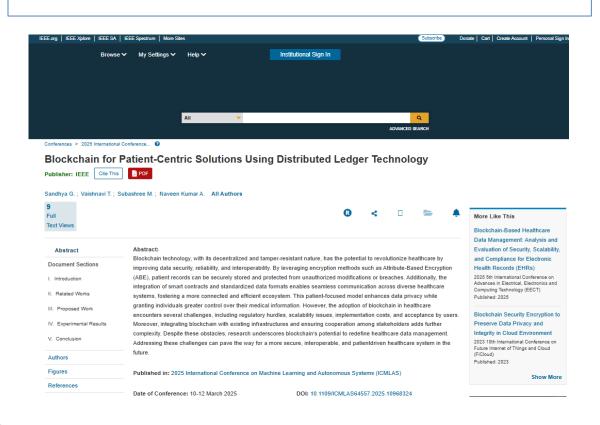


#### **COMPUTER SCIENCE AND ENGINEERING**

#### **PUBLICATION**



Ms Vaishnavi T, Ms Subashree M, and Mr Naveen Kumar A, Students of B.E. CSE, published a research article in *IEEE Xplore* through the International Conference on Machine Learning and Autonomous Systems (ICMLAS), under the guidance of Ms G Sandhya, Asst. Professor.

















#### **COMPUTER SCIENCE AND ENGINEERING**

#### **FACULTY CERTIFICATION**



**Dr N Saranya**, Asst. Professor, completed an online course on "Cryptography, Network Security and Application Security" offered by Coursera.

















#### **COMPUTER SCIENCE AND ENGINEERING**

#### **FACULTY CERTIFICATION**



Ms A Gomathy, Asst. Professor, completed an online course on "Introduction to Unix" offered by Infosys Springboard.

















#### **COMPUTER SCIENCE AND ENGINEERING**

# FACULTY CERTIFICATIONS



Ms M Kavitha Margret, Asst. Professor, completed online courses on "Python for Data Science, Al & Development" and "Discovery and Low-Fidelity Design with Figma" offered by Coursera.





















#### **COMPUTER SCIENCE AND ENGINEERING**

#### **FACULTY CERTIFICATION**



**Ms M Kavitha Margret**, Asst. Professor, completed an online course on "Internet of Things" offered by Infosys Springboard.



## COURSE COMPLETION CERTIFICATE | | | | | | |

The certificate is awarded to

#### Ms. M. KAVITHA MARGRET MANSINGH

for successfully completing the course

Internet of Things

on June 4, 2025



Infosys | Springboard

Congratulations! You make us proud!

Send

Thirumala Arohi Executive Vice President and Global Head Education, Training & Assessment (ETA) Infosys Limited

Issued on: Wednesday, June 4, 2025 To verify, scan the QR code at <u>https://verify.onwingspan.com</u>















#### **COMPUTER SCIENCE AND ENGINEERING**

# FACULTY CERTIFICATIONS



**Ms** P Divya, Asst. Professor, completed online courses "Introduction to Cloud Computing" offered by Simply Learn and "Introduction to Information Security" offered by Infosys Springboard.



















#### **COMPUTER SCIENCE AND ENGINEERING**

#### STUDENT CERTIFICATION



**Ms V Savitha**, Student of Third B.E. CSE, completed an online course on **"Flutter for Beginners"** offered by **Great Learning**.



















#### **COMPUTER SCIENCE AND ENGINEERING**

#### STUDENT CERTIFICATION



**Ms K Shalini**, Student of Third B.E. CSE, completed an online course on "**Getting Started with ReactJS** Components" offered by **SimpliLearn**.

















#### **ELECTRONICS AND COMMUNICATION ENGINEERING**

#### **FACULTY ACHIEVEMENT**



Dr M Thillai Rani, Assoc. Professor, completed the "SWAYAM-NPTEL Domain Certification in VLSI Design (Electrical Engineering)".

















#### **ELECTRONICS AND COMMUNICATION ENGINEERING**

#### **FACULTY ACHIEVEMENT**



Dr P Divya, Assoc. Professor, completed the "SWAYAM-NPTEL Domain Certification in Faculty Domain – Advanced"

















#### **ELECTRONICS AND COMMUNICATION ENGINEERING**

#### **FACULTY PUBLICATION**



Mr M Kalimuthu, Asst. Professor, published a research article on "Design and Comparison of Hybrid Optimization Controllers for Artificial Respiration System" in IEEE Xplore (Scopus Indexed).

















#### **ELECTRONICS AND COMMUNICATION ENGINEERING**

#### **FACULTY PARTICIPATION**



**Ms B Priyanka**, Asst. Professor, attended an Online Staff Research Workshop on "Al in Healthcare" organized by St. Joseph's Institute of Technology, Chennai in association with IE(I) Kancheepuram Local Centre, during 19 – 23 May 2025.

















#### **ELECTRONICS AND COMMUNICATION ENGINEERING**

#### **FACULTY PARTICIPATION**



**Ms M Sathia Priya**, Asst. Professor, attended an Online FDP on "**Mastering Deep Learning: Theory, Techniques and Applications**" organized by KIT-Kalaignarkarunanidhi Institute of Technology, Coimbatore, during 12 – 16 May 2025.



# CERTIFICATE

This is to certify that Ms.M.Sathia Priya from Sri Krishna college if technology has Participated in Five Days Online Faculty Development Programme on "Mastering Deep Learning: Theory, Techniques and Applications" from 12.05.2025 to 16.05.2025 organized by the Department of Artificial Intelligence and Data Science, KIT - Kalaignarkarunanidhi Institute of Technology, Coimbatore.

Ms. K. Saranya Coordinator

K. S-

Dr. C. Deepa HoD/AI & DS Dr. M. Ramesh Principal













#### **ELECTRONICS AND COMMUNICATION ENGINEERING**

#### **FACULTY PARTICIPATION**

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**Dr J Asokan**, Assoc. Professor, attended an online workshop on "Capacity building program in Cybersecurity and its Investigation" organized by Research Foundation of India, during 23 – 30 May 2025.

















#### **ELECTRONICS AND COMMUNICATION ENGINEERING**

#### **FACULTY PARTICIPATION**



**Dr K Bagyalakshmi**, Asst. Professor, attended the Seminar "R&D Funding Opportunities and Effective Proposal Writing" organized by Sri Krishna College of Technology, Coimbatore on 06 June 2025.

















#### **ELECTRONICS AND COMMUNICATION ENGINEERING**

#### **FACULTY PARTICIPATION**



Mr R Naveenkumar, Asst. Professor, attended the Seminar on "R&D Funding Opportunities and Effective Proposal Writing" organized by Sri Krishna College of Technology, Coimbatore on 06 June 2025.

















# **ELECTRONICS AND COMMUNICATION ENGINEERING**

#### **FACULTY CERTIFICATION**



Dr M Arun Kumar, Asst. Professor, completed Online certification courses on "Introduction to Quantum Information", and "Generative AI: Foundation Models and Platforms" through Coursera.



















#### **ELECTRICAL AND ELECTRONICS ENGINEERING**

#### **PUBLICATION**



Dr Sanjana Devi V S, Asst. Professor and the Students of Final B.E. EEE, published a research article on "A Modified Brushless Isolated SEPIC Converter Fed With HB-LLC Resonant Converter for Power Factor Correction" in Micro2025, organized by Jalpaiguri Government Engineering College, Jalpaiguri during 10–11 May 2025.

















# **ELECTRICAL AND ELECTRONICS ENGINEERING**

#### **FACULTY ACHIEVEMENT**



**Dr Sophia Jasmine D**, Assoc. Professor, received a "**Certificate of Appreciation**" for reviewing articles in the **International Journal of Applied Power Engineering** on 15 May 2025.





# CERTIFICATE

No.: 21621/JAPE/1-R2/V/2025

## International Journal of Applied Power Engineering

is hereby awarded this certificate to

## Sophia Jasmine

in recognition of his/her contribution as a Reviewer of paper ID

21621

in this scientific journal







Prof. Dr. Chandima Gomes, Editor in Chief















#### **ELECTRICAL AND ELECTRONICS ENGINEERING**

#### **PUBLICATION**



Mr T Bharaniprakash, Asst. Professor and the Students of B.E. ICE, published a research article on "Dam Monitoring and Control System Using IoT" in the 7th International Conference on Inventive Material Science and Applications (ICIMA-2025), organized by Muthayammal Engineering College, Rasipuram during 28–30 May 2025.















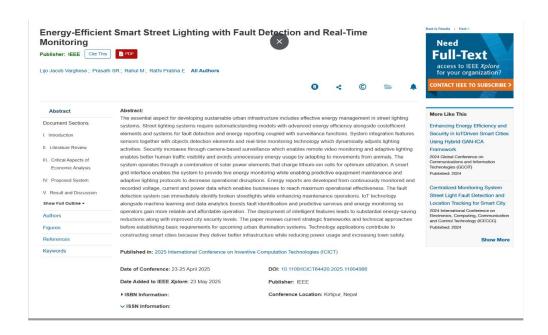


#### **ELECTRICAL AND ELECTRONICS ENGINEERING**

#### **PUBLICATION**



Dr Lijo Jacob Varghese, Professor & Head and the Students of B.E. EEE, published a research article on "Energy-Efficient Smart Street Lighting with Fault Detection and Real-Time Monitoring" in IEEE Xplore (ICICT-2025), organized by the International Conference on Inventive Computation Technologies, Kirtipur, Nepal during 23–25 April 2025.

















#### **ELECTRICAL AND ELECTRONICS ENGINEERING**

#### **PUBLICATION**



Dr Lijo Jacob Varghese, Professor & Head and the Students of B.E. EEE, published a research article on "IoT Based Smart Water Meter for Domestic Utility" in IEEE Xplore (ICICT-2025), organized by the International Conference on Inventive Computation Technologies, Kirtipur, Nepal during 23-25 April 2025.

















### **ELECTRICAL AND ELECTRONICS ENGINEERING**

### **PUBLICATION**



Mr Harish R, Asst. Professor and the Students of B.E. EEE, published a research article on "A Comparative Analysis of Different Types of SoC Estimation Using Machine Learning Techniques for Li-ion Battery Management System (BMS)" in IEEE Xplore (ICICT-2025), organized by International Conference on Inventive Computation Technologies, Kirtipur, Nepal during 23–25 April 2025.















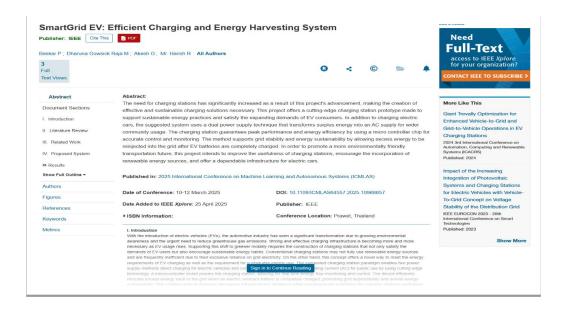


# **ELECTRICAL AND ELECTRONICS ENGINEERING**

### **PUBLICATION**



Mr Harish R, Asst. Professor and the Students of B.E. EEE, published a research article on "Smartgrid EV: Efficient Charging and Energy Harvesting System" in IEEE Xplore (ICMLAS-2025), organized by International Conference on Machine Learning and Autonomous Systems, Prawet, Thailand during 10–11 March 2025.

















# **ELECTRICAL AND ELECTRONICS ENGINEERING**

## **FACULTY CERTIFICATION**



Dr Abinaya N S, Asst. Professor, completed an online certification course on "Introduction to Machine Learning" with Elite through NPTEL.

















# **ELECTRICAL AND ELECTRONICS ENGINEERING**

## **FACULTY CERTIFICATION**



**Dr Abinaya N S**, Asst. Professor, completed an online certification course on "**Deep Learning**" with **Elite** through NPTEL.

















# **ELECTRICAL AND ELECTRONICS ENGINEERING**

## STUDENTS' PARTICIPATION



Mr Sri Hari Durgas B, Mr Sibi Surya M, Mr Sri Lingeswaran M and Mr Sukesh S A, Students of Third B.E. EEE, completed Inplant Training at Bharat Heavy Electricals Limited (BHEL), Tiruchirappalli during 03–13 May 2025.



















### **MECHANICAL ENGINEERING**

**VIVA - VOCE** 



**Mr A Arun Thangadurai**, Research Scholar, Anna University, Chennai, successfully defended his Ph.D. Public Viva-Voce Examination.

Research Topic: Studies on Mechanical Properties of Copper Oxide Nanoparticle Reinforced Polyester Composites

Supervisor: Dr V S Sreenivasan, Assoc. Professor,

Mechanical Engineering

















### **MECHANICAL ENGINEERING**

## **FACULTY PUBLICATION**



**Dr R B Jeen Robert,** Professor, co-authored a research article on "**Natural Fiber Filaments Transforming the Future of Sustainable 3D Printing**" published in Methods (Q2, ESCI indexed, Impact Factor: 1.6).





















### **MECHANICAL ENGINEERING**

### **FACULTY PUBLICATION**



Dr S Sundararaj, Professor, co-authored a research article published in Materia, a SCIE and Scopus indexed journal included in Anna University Annexure.



**V.30** 

Performance analysis of an enhanced indirect solar dryer with thermal storage material integration for drying apple slices

Manirathnam Athppagoundenpudur Sadasivan 100, Sundararaj Subramanian 2

<sup>1</sup>Dr NGP Institute of Technology, Department of Mechanical Engineering. Coimbatore, Tamil Nadu, India <sup>2</sup>Sri Krishna College of Technology, Department of Mechanical Engineering. Coimbatore, Tamil Nadu, India e-mail: asmanirathnam3@gmail.com, ssundararaj038@gmail.com

This study evaluates the performance of an enhanced indirect solar dryer with integrated thermal storage for drying apple slices efficiently, offering a practical solution for sustainable post-harvest management. The dryer features a single-pass solar collector and a 16.5 kg capacity drying chamber embedded with paraffin wax as a thermal energy storage material to maintain consistent heat during the drying process. This innovative design achieved a thermal efficiency  $11\pm0.2\%$  higher than conventional solar dryers and reduced drying time by  $40\pm0.2\%$  higher than conventional solar dryers and reduced drying time by  $40\pm0.2\%$  higher than conventional solar dryers and reduced drying time by  $40\pm0.2\%$  higher than conventional solar dryers and reduced drying time by  $40\pm0.2\%$  higher than conventional solar dryers and reduced drying time by  $40\pm0.2\%$  higher than conventional solar dryers and reduced drying time by  $40\pm0.2\%$  higher than conventional solar dryers and reduced drying time by  $40\pm0.2\%$  higher than conventional solar dryers and reduced drying time by  $40\pm0.2\%$  higher than conventional solar dryers and reduced drying time by  $40\pm0.2\%$  higher than conventional solar dryers and reduced drying time by  $40\pm0.2\%$  higher than conventional solar dryers and reduced drying time by  $40\pm0.2\%$  higher than conventional solar dryers and reduced drying time by  $40\pm0.2\%$  higher than conventional solar dryers and reduced drying time by  $40\pm0.2\%$  higher than conventional solar dryers and reduced drying time by  $40\pm0.2\%$  higher than conventional solar dryers and reduced drying time by  $40\pm0.2\%$  higher than conventional solar dryers and reduced drying time by  $40\pm0.2\%$  higher than conventional solar dryers and reduced drying time by  $40\pm0.2\%$  higher than conventional solar dryers and reduced drying time by  $40\pm0.2\%$  higher than conventional solar dryers and reduced dryers are dryers and reduced drying time by  $40\pm0.2\%$  higher than conventional solar dryers and reduced dryers are dryers and reduced dryers and reduced dryers are dryers are dryers are dryers are dryers are dryers and reduced dryers are dryers. achieved a thermal efficiency I1 ± 0.2% higher than conventional solar dryers and reduced drying time by 40 ± 2.1%, aligning with the goals of energy-efficient post-harvest practices. Compared to open sun drying and thin-layer drying, the solar dryer with thermal storage (SDTS) preserved nutrients more effectively, with total sugar content reaching 64.85 ± 3.5% and fiber content at 12.50 ± 0.75%, the highest among all methods. Moreover, SDTS-dried apple slices exhibited greater total phenolic content (TPC) and antioxidant activity, underscoring superior product quality. The integration of thermal storage minimized drying inconsistencies, reducing post-harvest losses and ensuring nutrient retention. Statistical models were developed to predict moisture ratios naives nosses and esturing indirect retention. Statistical modes were developed to predict indistant entering a accurately, validated through chi-square and root mean square error analysis. This enhanced dryer demonstrates improved efficiency and reliability, making it a scalable, sustainable solution for small-scale fruit farmers, ultimately addressing critical post-harvest management challenges.

Keywords: Solar Dryer, Thermal Storage Material; Drying; Apple Slices; Moisture Ratio

The drying of agricultural products plays a crucial role in food preservation by extending shelf life, preventing microbial growth, and minimizing biochemical spoilage [1, 2]. Among various drying techniques, solar drying offers a cost-effective and environmentally sustainable solution by utilizing renewable energy [3]. However, conventional solar dryers often face challenges such as reliance on sunlight availability and inconsistent

conventional solar dyers often face challenges such as reliance on sunlight availability and inconsistent temperature control, leading to extended drying times and compromised product quality [4]. The integration of thermal storage materials into solar dryers addresses these issues by providing consistent heat during cloudy periods or at night, thereby enhancing drying efficiency and product preservation [5–7].

Apple slices, a popular and nutritious snack, are rich in vitamins, fiber, and antioxidants, but their high moisture content makes them perishable. To extend their shelf life, effective drying techniques are essential [8]. Traditional drying methods, such as open sun drying, are commonly used but pose risks including contamination, weather dependency, and nutrient degradation [9–11]. Therefore, developing a reliable solar drying system with thermal storage can offer an affordable and practical solution to small-scale farmers, ensuring better product quality and enhanced preservation [12, 13].

Indirect solar drying, which utilizes solar collectors to provide heat to a separate drying chamber, offers better temperature control and airflow compared to direct drying methods [14]. Incorporating thermal storage materials, such as paraffin wax, into the drying system stabilizes the environment by storing excess heat during the day and releasing it during low solar radiation periods, improving energy efficiency [15]. This approach addresses key challenges of traditional solar drying, including uneven drying, extended durations, and nutrient loss [16, 17].

The enhanced solar dryer with thermal storage integration provides a sustainable alternative to energy intensive drying methods [18]. It aligns with global efforts to reduce carbon emissions by minimizing fossil fuel dependency in agriculture [19]. The compact and affordable design makes it particularly suitable for small



















### **MECHANICAL ENGINEERING**

## **FACULTY PUBLICATION**



Jeen Robert, Professor, co-authored research article on "Exploring Mechanical Properties of Additive Manufactured Patient-Specific Finger Splints through FEA and Experimental Testing" in the Journal of Research and **Applications** Mechanical Engineering.



Exploring Mechanical Properties of Additive Manufactured Patient-Specific Finger Splints through FEA and Experimental Testing

Abstract:
The primary objective of the study is to assess the mechanical suitability of each filament material for finger splint applications and to determine their behaviour under compressive loads. Several filament materials were used in the design and delitive Manufacturing of patients specific finere splints. Finite Element Analysis simulations were then used to forecast mechanical responses. The simulation results are then verified and the mechanical characteristics of the splints are measured through experimental compression testing. The study's main conclusions highlight the unique mechanical properties of each filament material, such as differences in stiffness, strength, and restlience. Nylon splints showed good flexibility and moderate strength. PC splints are ideal for applications needing strong support because of their high strength and rigidity. The study has implications for the choice of filament materials for patient-specific finger splints, taking into accounts the desired mechanical properties and clinical needs. By offering useful data for improving the design and manufacture of customized finger splints, these findings advance orthopedic cure.

Keywords: Finger Splint, Additive Manufacturing, Finite Element Analysis, Compression

Finger splints are orthopedic devices designed to provide support, immobilization, and protection to injured fingers, as well as to aid in the rehabilitation process. Orthopedic devices known as finger splints are made to protect, immobilize, and support injured fingers while also assisting with the healing process. They are frequently used to treat a variety of finger ailments and injuries, such as fractures, dislocations, injuries to the ligaments and tendors, and post-operative care. Finger splints are primarily used to keep the injuried fingers in the proper alignment and to stop more damage or displacement while the injury heals. Splints help minimize pain, swelling, and inflammation while fostering optimal healing and functional recovery by immobilizing the injured finger of fingers [1,2]. Finger splints can be made in a variety of sizes, forms, and styles to suit the needs of each patient as well as the particular injury or condition being treated. They can be manufactured specifically to fit the patient's hand and fingers, or they can be prefabricated [3,4].

It is impossible to exaggerate the significance of patient-specific splints in orthopedic treatment. are made to fit the specific anatomy of each patient, taking into account their hands and fingers

\* Corresponding author: S. M. Kennedy E-mail address: maharai@aaacet.ac.in



J. Res. Appl. Mech. Eng.

2025, Volume 13(2)/ 1















### **MASTER OF BUSINESS ADMINISTRATION**

### **FACULTY CERTIFICATION**



**Dr Piradeep S**, Asst. Professor, completed the Mastercourse on "**Digital Marketing Fundamentals**" through IIDE - The Digital School on 11 May 2025.

















### **MASTER OF BUSINESS ADMINISTRATION**

### **FACULTY CERTIFICATION**



**Dr Piradeep S**, Asst. Professor, completed the course on "Human Resource Management – Application of Technology in HR" through Infosys Springboard on 18 May 2025.

















### **MASTER OF BUSINESS ADMINISTRATION**

### **FACULTY CERTIFICATION**



**Dr Piradeep S**, Asst. Professor, completed the course on "**Human Resource Analytics**" through Coursera, offered by University of California, Irvine on 18 May 2025.

















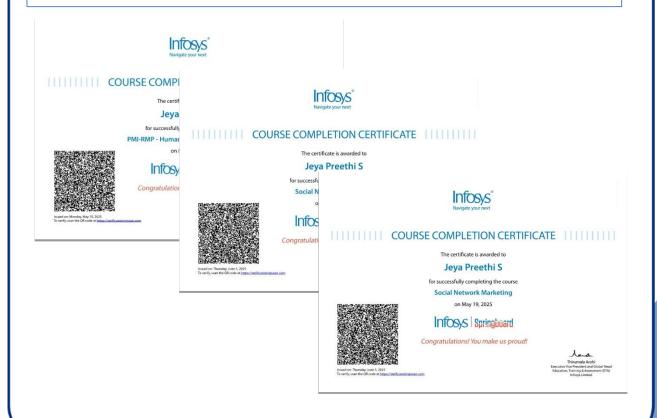
### **MASTER OF BUSINESS ADMINISTRATION**

### **FACULTY CERTIFICATION**



**Ms Jeya Preethi S**, Asst. Professor, completed the following courses through Infosys Springboard during 18–19 May 2025:

- PMI-RMP Human Resource Management
- Social Network Marketing
- Ethics and Project Management















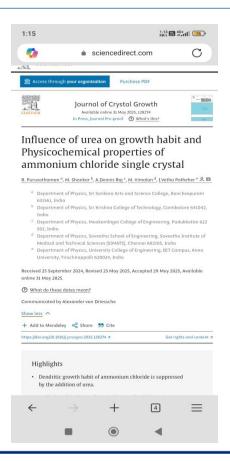


### **SCIENCE AND HUMANITIES**

### **FACULTY CERTIFICATION**



Dr M Shankar, Asst. Professor, published a research article on "Influence of Urea in Growth Habit and Physico-Chemical Properties of Ammonium Chloride Single Crystal" in Elsevier - Journal of Crystal Growth (Impact Factor: 1.7).









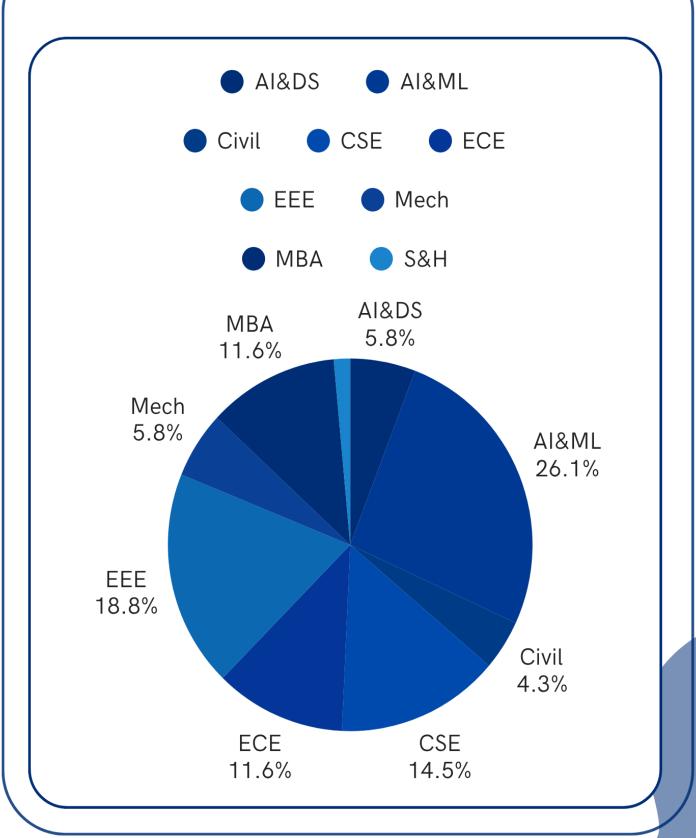








# **CONTENT CONRIBUTIONS BY THE DEPARTMENTS**



















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Principal

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**Ms B Pavithra** Assistant Professor English

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- Mr K Senthil Kumar, AP/Mech
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### STUDENT EDITORS

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