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#### **VOI 24 - ISSUE 10** 18 - 24 AUG 2024

# THE PRIDE OF OUR REFLECTION

**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.

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SRI KRISHNA INSTITUTIONS COIMBATORE

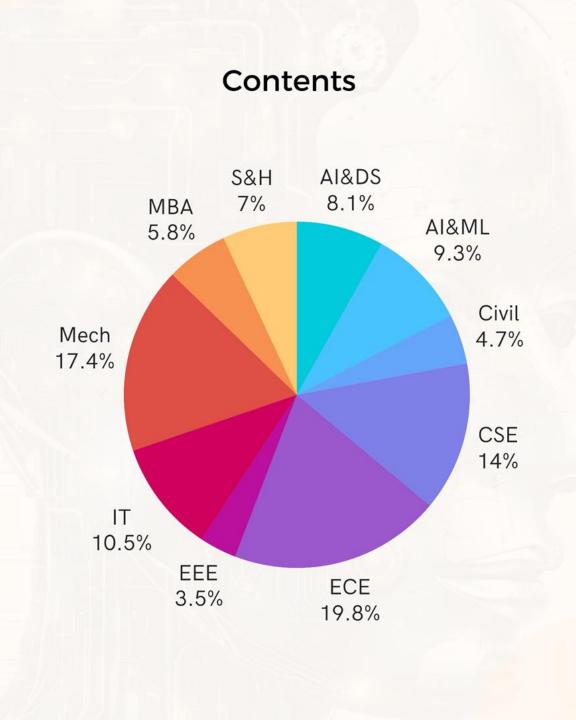
#### **Contact Us**

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



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#### **National Service Scheme**

"Music, the Key to Helping Deal with Emotions" Recognizing the psychological challenges faced by cancer patients, the NSS unit of Sri Krishna College of Technology (SKCT), in collaboration with the Ashwin Maharaj Foundation, Chennai, organized a music therapy session at Coimbatore Government Hospital. During the event, nutrition was also distributed to the cancer patients with the help of SKCT-NSS volunteers.



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Helmet Awareness Campaign

Sri Krishna College of Technology and the Uyir Club, in association with Coimbatore City Police, conducted a mega Helmet Awareness Campaign at Kovaipudur Pirivu. Twenty-six violators were identified, and counseling was provided to them.



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#### **Cricket Championship 2024**

#### **Faculty Achievement**

The Staff Cricket Team of Sri Krishna Institutions bagged the Third Place in **"Kongu Classic Cricket Championship 2024,"** a State-level tournament conducted in Erode during 11-18 August 2024.





The exciting news that our institution's Staff Cricket Team participated in the Kongu Classic Cricket Championship 2024, a state-level staff invitation cricket tournament held in Erode from August 11 to 18, 2024.

The tournament took place every weekend on Saturdays and Sundays.

Our team secured an impressive third place in the championship.

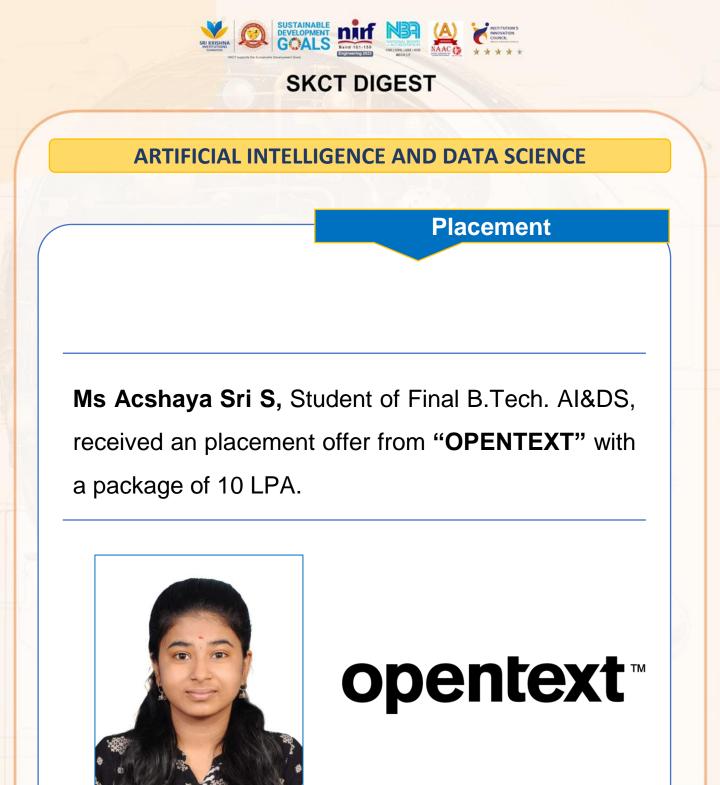
Our talented players who made this achievement possible are:

- 1. K. Mohan, AP/Mech
- 2. Dr. C. Ram Kumar, Professor/ECE
- 3. Dr. T. Nithiyanathan, AP/Mech
- 4. Mr. Shanmuga Raju, AP/ECE
- 5. Jeen Robert R B, Professor/Mech
- 6. Mr. Ranjith, Lab Technician/CSE
- 7. Mr. V. Johne Arnest, Maintenance/Civil (SKCET)
- 8. Mr. S. Selva Kumar, AP/Civil (SKCET)
- 9. Dr. S. MuniRaj, PD SKPTC
- 10. Thamarai Selvan, Lab Technician/CSE (SKCET)
- 11. Mr. R. Ramesh, AP/Civil

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12. Mr. K. Senthil Kumar, AP/Mech





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#### **ARTIFICIAL INTELLIGENCE AND DATA SCIENCE**

Students' online certification

- ✓ Mr Shri Sabhariesh K
- ✓ Mr Thivin Krishna
- ✓ Ms Srinithi V
- ✓ Ms Mohana A
- Ms Anushalakshmi S
- ✓ Ms Lavanya Neethiraj

Students of Second and Third B.Tech. AI&DS completed "Online Certification Courses" offered through Infosys Springboard.

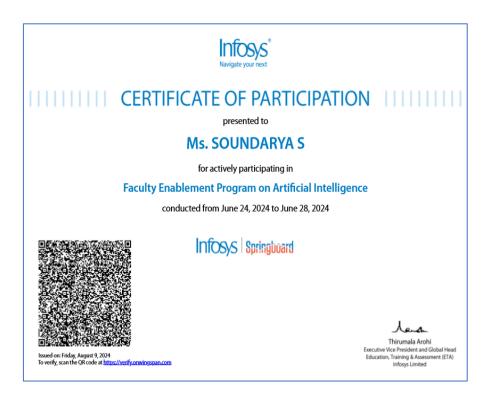




#### **CSE – ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING**

**Faculty Participation** 

**Ms Soundarya S**, Asst. Professor, participated in Faculty Enablement Program on "**Artificial Intelligence**" conducted through Infosys Springboard.







#### **CSE - AIML, IOT & CYBERSECURITY**

#### **Event Organised**

The "**Q&A Session**" was organised for the Students of Second and Third B.E. CSE (AIML, IoT, and Cybersecurity). The winners of SIH 2023 facilitated the session on 19 August 2024.







#### **CSE - AIML & IoT**

### **Students' Internship**

Ms Swetha M, Student of Second B.E. CSE (Cybersecurity), completed a "5-day Network Security Internship Programme on Prompt Infotech" during 05-09 August 2024.



Mr Priyadharshan, Student of Second B.E.CSE (Cybersecurity), completed a "5-day Network Security Internship Programme on Prompt Infotech" during 05-09 August 2024.





#### **CSE - CYBERSECURITY**

#### **Awareness Programme**

**Mr Abilash M P, Mr Guruprasad V** and **Ms Akshara A S** Students of Second B.E. CSE (Cyber Security) in association with World People Welfare Trust, Coimbatore organised an awareness programme on "**Road Safety**" to the public at R S Puram, Coimbatore on 18 August 2024. **Mr V S Sureshkumar,** Managing Trustee, World People Welfare Trust served as the Chief Guest.





#### **CSE - CYBER SECURITY**



Mr Manasseh M, Student of Second B.E. CSE (Cybersecurity) completed 8 courses on "GoogleCybersecurity" offered through Google.



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#### **CSE - CYBER SECURITY**

**Faculty Certification** 

**Ms Sugitha A**, Asst. Professor, completed a course on **"Web Design: Wireframes to Prototypes"** authorised by California Institute of the Arts and offered through Coursera.



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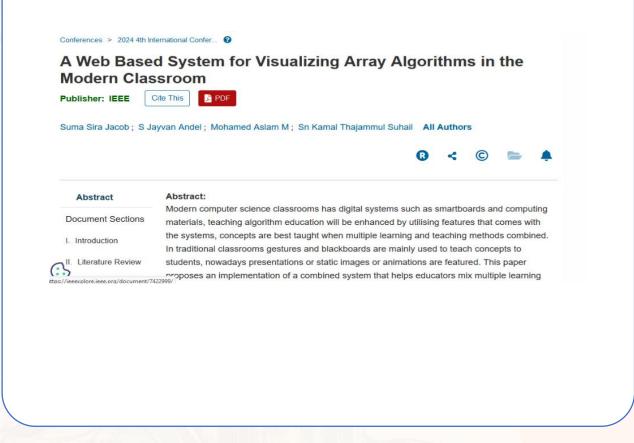
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#### **CSE - CYBER SECURITY**

**Faculty Publication** 

Dr Suma Sira Jacob, Assoc. Professor, Mr S Jayvan Andel, Mr Mohamed Aslam M and Mr S Kamal Thajammul Suhail, Students of B.Tech. IT (Batch 2020-2024), published an article on "A Web-based System for Visualizing Array Algorithms in the Modern Classroom" in IEEE Xplore.



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

#### **Student Participation**

Ms Shanmuhapriya T, Student of Second B.E. CSE, completed all milestone assessments in a course on "Data Structures and Algorithms course" certified by lamNEO.



This is to certify that	t	ianmuhapriya T	
	ester, Computer Sci		Department at
Sri Krish	na College of Technology	has succe	essfully cleared
all the milestone asse	ssments in the course	Data Structures and	Algorithms
1eo colab	Co-Founder & CED	01.05.2024 Date of Issue	iamneo



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

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#### **Student Participation**

MsTShanmuhapriya,Student of Second B.E. CSE,completed courses on➤ Java Foundation➤ React WebDevelopment

offered through Infosys Springboard on 09 August 2024.

Ms T Shanmuhapriya, Student of Second B.E. CSE, completed a onemonth internship programme on **"Web** Development at Prodigy InfoTech" during 15 July-15 August 2024.







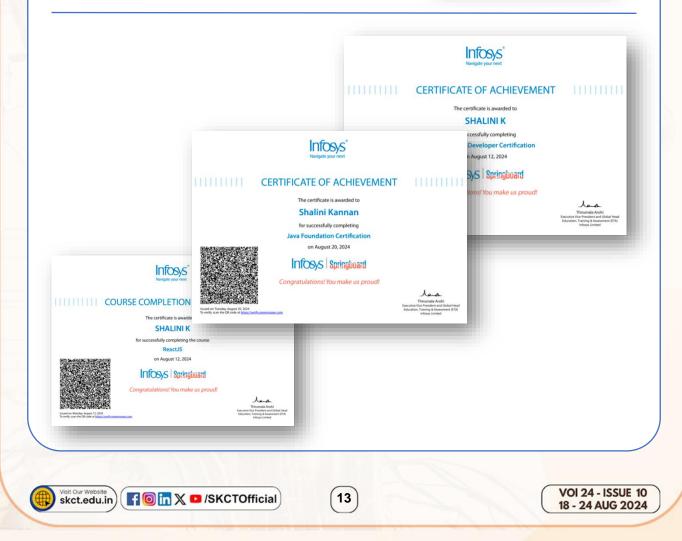
#### **COMPUTER SCIENCE AND ENGINEERING**

#### **Student Participation**

**Ms Shalini K**, Student of Second B.E. CSE, completed the following courses:

- React Web Developer
- > ReactJS
- Java Foundation







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

**Students' Participation** 

The following Students of Second B.E. CSE participated

in a National level Symposium organised by SRM

University, Ramapuram:

- > Ms Vishnupriya R
- > Mr Pranav M
- > Ms Srimathi V
- Mr Vishal Balajee G A

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Mr Prem Kumar





#### **CIVIL ENGINEERING**

#### **National Campaign**

The UBA Cell of SKCT planted trees in the adopted villages as part of "**Ek Ped Maa Ke Naam**," a National Campaign. The following are the Students of Final B.E. Civil Engineering who served as volunteers:

- 1. Mr Murali Prasath M
- 2. Mr Akshay A J
- 3. Mr Vasanthakumar M
- 4. Mr Jaya Krishna D

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#### **CIVIL ENGINEERING**

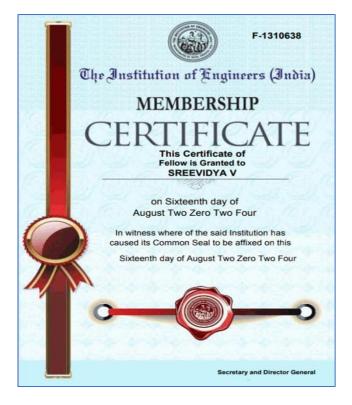


**Dr V Sreevidya,** Professor, received a "**Certificate of Fellow Membership**" from the Institution of Engineers (India) on 16 August 2024.

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#### **CIVIL ENGINEERING**



Dr V Sathish Kumar, Associate Professor, completed an online training programme on "Revit Architecture" during 15 July-14 August 2024.

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#### **CIVIL ENGINEERING**

#### **Faculty Participation**

**Dr P Subasree**, Assoc. Professor and **Mr R Ramesh**, Asst. Professor, attended the AICTE recognised Faculty Development Programme on "**Affordable Housing in Disaster Prone Areas**" organised by Rural Development Department of NITTTR, Chandigarh.



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#### **CIVIL ENGINEERING**



**Dr N Jothi Lakshmi** and **Mr Manoj K M**, Asst. Professors, attended a Virtual National Seminar on "**Sustainable Plastics**" organised by Centre for Environmental Studies in Anna University, Chennai on 26 July 2024.



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

## Internship





Ms Kirthika B Mr Mohammed Fahiem A Mr Maruthurajan K



Mr Sachin B







Mr Sanjay K



Mr Kishore Kumar P



Ms Kavina A





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

**Faculty Online Certification** 

Dr S Nithyadevi and Dr P Divya, Asst. Professors, bagged the "Best Award" in a course on Java Programming offered through Amypo Technologies Pvt. Ltd.







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

#### **Faculty Participation**

Dr C Senthilkumar, Mr M Arunkumar, Mr R Naveenkumar, Dr K Bagyalakshmi and Ms Sathia Priya M, the Members of Faculty, attended a 7-day FDP on "Exploring Emerging Trends and Future Directions in Machine Learning-Integrated VLSI Design" organised by SRM Institute of Science and Technology during 03-10 July 2024.



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

**Faculty Participation** 

**Mr M Arun Kumar**, Asst. Professor, attended a Fiveday FDP on **"Exploring Machine Learning Cyber Security: Tools and Trends"** organised by the Department of Computer Science and Engineering, Sri Venkateswara College of Engineering, Chennai during 05-09 August 2024.

ACCENT OF A DECEMBER OF A D		Autonomous Institution Anna University, Approved by the AICTE, A	Chennai					
	<b>Certificate of Participation</b>							
This is of		r. / Mr. / Ms. <u>ARUN KUMAR</u> HNA COLLEGE OF TECHNOLOG <sup>V</sup>		_				
Science and	d Engineering, Sr to 09.08.2024.	s" organized by the D i Venkateswara College o	of Engineering from	ər				
Mr. E. Raghuvar Coordinate		Dr. R. Anitha , HoD-CSE Convener	Dr. S.Ganesh Vaidyanatha Principal	n				

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

**Faculty Certification** 

Mr M Kalimuthu, Asst. Professor, completed a course on "5G Principles: Comparing 5G to 4G" offered through Infosys Springboard.







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

#### **Students' Achievement**

Mr Prasath S R, Mr Ranjith S, Mr Sanjeev Krishnaa G A, Mr Suganth V, Mr Vignesh K R, Mr Sheik Ibraheem Badushaa S A, Mr Vishal R, Mr Pragatheeswar B, Mr Balamurugan S, Mr Akash S, Mr Vashishsdh T R and Mr Hariharan M, Students of B.E. EEE, have been selected for "EDII's Hackathon Bootcamp Phase III."





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

#### Placement



**Ms Prajusha P J**, Student of Final B.E. EE, received a placement offer from **"Sobha Constructions."** 





Mr Prajeesh, Student of Final B.E. ICE, received a placement offer from "Pickyourtrail."







#### **INFORMATION TECHNOLOGY**

**Student Achievement** 

**Ms Dhrisha Krishna R**, Student of Final B.Tech. IT, has been selected as one of the toppers in "**INFAthon'24**," a PAN India coding contest organised by Informatica.



# INFAThon'24

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#### **INFORMATION TECHNOLOGY**

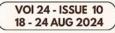
#### **Event Organised**

The **Department level review** has been conducted for the SIH 24 registered participants on 20 August 2024.

26 teams (constituting 156 students) participated and presented their ideas. The suggestions were given on

- ✓ Right Problem statements identification
- ✓ PPT preliminary corrections & suggestions
- $\checkmark$  Feasibility of the proposed solutions
- $\checkmark$  Real time applications mapping







#### **INFORMATION TECHNOLOGY**

**Students' Online Certification** 

- Ms Sainthavi Sri M K
- ✓ Mr Sanjai C R V
- ✓ Mr Sanjairam A
- ✓ Mr Sanjay M
- ✓ Mr Saran S
- ✓ Mr Sasiram V

Students of Second B.Tech. IT completed a course on 'Figma Training 2022" offered through Infosys Springboard.





#### **INFORMATION TECHNOLOGY**

**Faculty Online Certification** 

Ms P Alaguvathana, Asst. Professor, completed a course on "Introduction to Agile Methodology" offered through Infosys Springboard.







#### **MECHANICAL ENGINEERING**

Dr P Prathap, Professor and Mr M Rajeswaran, Asst. Professor, published "Investigation article an on on Mechanical and Tribological Behaviour of Cupola Slag and **MWCNTs Reinforced Epoxy Hybrid Nanocomposites: A** Sustainable Approach for Environmental Preservation" in the Materials and Technology Journal with an Impact Factor of 0.638 (SCIE Indexed).

> INVESTIGATION OF THE MECHANICAL AND TRIBOLOGICAL BEHAVIOURS OF CUPOLA SLAG AND MWCNT-REINFORCED EPOXY HYBRID NANOCOMPOSITES: A SUSTAINABLE APPROACH FOR ENVIRONMENTAL PRESERVATION

DOLOČITEV TRIBOLOŠKIH IN MEHANSKIH LASTNOSTI HIBRIDNEGA KOMPOZITA SESTAVLJENEGA IZ KUPOLNE ŽLINDRE IN VEČ-STENSKIH OGLJIKOVIH NANOCEVK: PRIJAZNI IN TRAJNOSTNI PRISTOP VAROVANJA OKOLJA

Rajeswaran M.<sup>1</sup>, Prathap P.<sup>14</sup>, Kannan S.<sup>2</sup>, Sundaravadivel T. A.<sup>3</sup> artment of Mechanical Engineering, Sri Krishna College of Technology, Coimbatore, Tamil Nadu 641042, India of Mechanical Engineering, Hindusthan College of Engineering and Technology, Coimbatore, Tamil Nadu 641032, India Department of Mechanical Engineering, R M D Engineering College, Chennai, Tamil Nadu 601206, India Preiem rokopisa - received: 2024-04-30: sprejem za objavo - accepted for publication: 2024-07-04

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experimental investigation explores the mechanical and tribblegical characteristics of cupols slag (CS) and multival is
manufacts. (MMCNT) reinforced by blyd manofilter payor composites. Cupola daig is an inductial by product that is gen-toring the structure of th

tittbörg, sext., capola dag, mexcus, epox), hybrid, annocomposite: utilisöga, sext., capola dag, mexcus, epox, hybrid, annocomposite: d dece: happende linder (CS, angl., capola dag in wykternakh orgithowin nano cyclic (MWCNY); angl., and the sext of the s

1 INTRODUCTION

\*Corresponding author's c-mail: prathu135@gmail.com (Prathap P.)

Industrial solid waste, comprising various by-prod-ts and residues from manufacturing processes, poses a mificant environmental challenge when disposed of in adfills. Such waste materials frequently encompass

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harmful elements like heavy metals, hazardous chemi-cals, and materials that do not decompose naturally. These substances have the potential to seep into the soil and underground water, leading to the pollution of nearby ecosystems and presenting environmental haz-ards. To reduce these adverse effects, it is imperative to prioritize sustainable waste-management approaches, in-cluding recycling, composing, waste-to-energy conver-

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**Faculty Publication** 

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#### **MECHANICAL ENGINEERING**

**Faculty Publication** 

**Dr P Prathap**, Professor & Head, **Dr R B Jeen Robert**, Professor and **Dr V S Sreenivasan**, Assoc. Professor, registered a Design Patent on "**Palmyra Sap Cultivator**" in the Patent Office, Government of India.



#### PALMYRA SAP CULTIVATOR

in the name of

- SRI KRISHNA COLLEGE OF TECHNOLOGY, Coimbatore
- Dr. V S Sreenivasan, AsP/ Mechanical Engineering
- Dr. R B Jeen Robert, Prof./ Mechanical Engineering
- Dr. P. Prathap, Prof. & HoD/ Mechanical Engineering



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#### **MECHANICAL ENGINEERING**

### **Event Organised**

Dr E Bhoje Gowd, Senior Principal Scientist at CSIR NIIST, Trivandrum, served as the Chief Guest for the inauguration ceremony of the ATAL Faculty Development Programme on "Biodegradable Materials and Environmental Impact Assessment of Biofibres and Green Composites."





#### **MECHANICAL ENGINEERING**

### **Event Organised**

Dr E Bhoje Gowd, Senior Principal Scientist at CSIR NIIST, Trivandrum, facilitated the Session 1 of ATAL FDP and highlighted the importance of green composites that blend bamboo natural fibers such hemp, or jute as with biodegradable polymers, offering reduced environmental impact and enhancing sustainability across various applications.







#### **MECHANICAL ENGINEERING**

### **Event Organised**

**Dr D Arumuga Perumal**, National Institute of Technology Karnataka facilitated the Session 2 of ATAL FDP and highlighted the systematic planning, data collection and analysis necessary to answer research questions.







#### **MECHANICAL ENGINEERING**

### **Event Organised**

**Dr V S Sreenivasan**, the Member of Faculty, facilitated the Session 3 of ATAL FDP and highlighted the extraction of biofibers through mechanical or chemical processing of plant materials like hemp, flax, or jute. The session also covered characterisation techniques such as SEM, FTIR and XRD, which are used to analyze fiber morphology, chemical composition and crystal structure.



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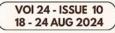
#### **MECHANICAL ENGINEERING**

**Event Organised** 

**Dr V Manikandan,** Principal, PSN College of Engineering and Technology facilitated the Session 4 of ATAL FDP and highlighted the manufacturing of green composites using ecofriendly methods.



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#### **MECHANICAL ENGINEERING**

### **Event Organised**

**Dr J T Winowlin Jappes,** Kalasalingam University, Srivilliputhur, facilitated the Session 5 of ATAL FDP and highlighted the wear analysis of green composites, assessing tribological properties such as friction, wear rate, and surface roughness under various conditions.





#### **MECHANICAL ENGINEERING**

### **Event Organised**

**Dr Sekar T** from Government College of Technology, Coimbatore, facilitated the Session 6 of ATAL FDP and highlighted the mechanical testing and microscopy analysis of green composites, focusing on evaluating their strength, durability and microstructural properties.





#### **MECHANICAL ENGINEERING**

### **Event Organised**

**Dr S Jayabal** from Government College of Engineering, Thanjavur, facilitated the Session 7 of ATAL FDP and highlighted how chemical treatments of bio fibers enhance bonding between fibers and matrices, improving the mechanical properties of green composites. These treatments reduce fiber wear, increase durability, and optimize performance, making the composites more suitable for various applications while maintaining sustainability.





#### **MECHANICAL ENGINEERING**

### **Event Organised**

**Dr Aldrinraj J** from Government College of Engineering, Bodinayakkanur, facilitated the session 8 of ATAL FDP and highlighted the biodegradability and life cycle assessment of green composites to evaluate the environmental impact. The session focused on how these assessments ensure green composites decompose sustainably, minimize waste, reduce carbon footprints and support eco-friendly practices, contributing to a circular economy.





#### **MECHANICAL ENGINEERING**

# **Industrial Visit**

As a part of the Biodegradability and Environmental Impact Assessment on Biofibres and Green Composites, the participants of the ATAL FDP visited the South India Textile Research Association (SITRA) in Coimbatore on 23 August 2024.







#### **MECHANICAL ENGINEERING**

### **Event Organised**

**Dr. L. Siva,** Professor of Mechanical Engineering at Mohan Babu University, Sree Sainath Nagar, Tirupati, Andhra Pradesh, conducted a session titled "Flammability Analysis of Green Composites" during the AICTE Training and Learning Academy (ATAL) sponsored Faculty Development Program.



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#### **MECHANICAL ENGINEERING**

# **Industrial Visit**

**Dr. T. Nithyanandhan**, Assistant Professor, along with five Mechanical Engineering students, attended the Coimbatore Open House 2024 at FANUC's new facility on 23.8.2024. The visit provided invaluable insights into the latest advancements in Smart Manufacturing solutions, including CNC simulator systems, robotics, and automated machining.





#### **MECHANICAL ENGINEERING**

### **Event Organised**

**Mr Anand G Shankar,** Founder, Standardized Tests Coach and Admissions Mentor at Learners Cortex, a partner of the American Test Prep Giant Magoosh facilitated a highly beneficial session, sharing his extensive expertise in standardized test preparation and admissions coaching. His insights into GRE, GMAT, SAT, TOEFL and IELTS, along with his practical advice, provided students with valuable strategies for academic and career success.





#### **MECHANICAL ENGINEERING**

# **Faculty Participation**

**Dr R B Jeen Robert,** Professor, **Mr M Madhubalan, Mr M Muthuraman,** Students of Final B.E. Mechanical Engineering, visited Titan Industries and TVS Motor Company for a Exclusive One-day Study Mission to Hosur organised by CII Coimbatore Zone.



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#### **MECHANICAL ENGINEERING**

**Faculty Certification** 

Dr F Paul Gregory, Assistant Professor, completed a Design Thinking Course on "Design Thinking" through Infosys Springboard and completed a training programme on "Introduction to Embodied Carbon and LCA" offered by One Click LCA, Finland.



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#### **MASTER OF BUSINESS ADMINISTRATION**

### **Faculty Participation**

**Dr M S Sibi,** Assistant Professor, attended a 2-day Faculty Development Programme on "**Critical & Creative Thinking Skills**" organised by the IQAC, Michael Job Memorial College of Education For Women, Coimbatore.



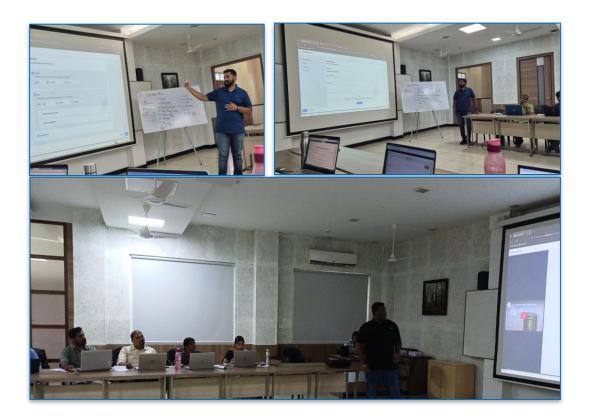




### **MASTER OF BUSINESS ADMINISTRATION**

# **Faculty Participation**

Dr V Gowrishankkar and Mr S Siva, Assistant
Professors, attended a "10-day HR – ZOHO Training
Programme" at Kumaraguru College of Technology,
Coimbatore.



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#### **MASTER OF BUSINESS ADMINISTRATION**

# **Faculty Participation**

**Ms S Jeya Preethi,** Assistant Professor, attended an Innovation Ambassador (IA) Training at Foundation Level organised through online mode by MoE'S Innovation Cell & AICTE.

Ministry of Education Government of India	MOE'S INNOVATION CELL (GOVERNMENT OF INDLA)	are bharat pp	F	
	Thi	s is to certify	/ that	
		Jeya Pre	ethi S	
		of		
	Sri Krishna	College of Tee	chnology	, Tamil Nadu
has un	dergone Innovatio	n Ambassador (IA)	) training 'F	Foundation Level'
(Total 16	Sessions of 30 cor	ntact hours) condu	cted in onli	ne mode by MoE's
Inn	iovation Cell & Al	CTE during the IIC	calendar y	ear .
Ablay tou				Openial
Dr. Abhay Jer	e			Mr. Dipan Sahu
Chief Innovation O MoE's Innovation				Assistant Innovation Director MoE's Innovation Cell
Da3e08-2024				E-certification/1039316

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#### **SCIENCE AND HUMANITIES**

**Faculty Certification** 

Dr Arun Kumar P, Asst. Professor, completed a course on "Teaching in University Science Laboratories" authorised by University of Toronto and offered through Coursera.

		COURSE CERTIFICATE
	Aug 15. 2024 Dr. Arun Kumar P has successfully completed	STON FOR ELEPT
	Teaching in University Science Laboratories (Developing Best Practice) an online non-credit course authorized by University of Amsterdam and offered through Coursera	
	I. I. Tomofolo Concern Dente M. Materia Science Natana Brenver, University of Amsterdam, The Netherlands, beena Maciejowska, University Lagiellotidi w Krakowie, Poland. Claire McDonnell, Technological University Dublin, Iraland; Mauro Mocerina, Curitu University, Australia; Curither Fleerachers, U. Leuron. Indexing, Belgium	
7	Course	Verify at: https://coursera.org/verify/EA8/INIFFB1 ra has confirmed the identity of this individual and their participation in the course.



### **SCIENCE AND HUMANITIES**

# **Faculty Participation**

**Dr Thilagavathy R** and **Ms Vishnupriya S**, Assistant Professors, attended a Five-day National level Faculty Development Programme on "Indian English Literature: Themes, Techniques and Theories" organised by the Department of English, Dr SNS Rajalakshmi College of Arts and Science, Coimbatore during 05-09 August 2024.

(Autonomous) Accredit	ALAKSHMI COLLEGE OF eed by NAAC ( Gyele : III)with 'A'Grade. Re ved by AICTE. New Defhi & Affiliated to B Geimbatore -641 049, Tamil Nadu,	cognized by UGC under 201 and 12 karathiar University.			RAJALAKSHMI Accredited by NAAC ( Cycl Approved by AICTE, New Combute	e-III) with 'A-'Grade, R	ecognized by UGC a Bharathiar Universi	nder 2(f) and 12(	
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Techniques and Theories"	ent Programme entitled, organized by Department o re from 05.08.2024 to 09.08	f English, Dr. SNS Raja	Technique	es and Theor		Department o	of English, Dr		ature : Themes akshmi College of
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Dr.D. Divya Head, Department of English	Dr. P. Naresh Kumar Vice - Principal	Dr. R.Anitha Principal		D. Divya rtment of English		resh Kumar Principal		R.Anitha Principal	
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### **SCIENCE AND HUMANITIES**

### **Faculty Publication**

**Dr D Maheskumar,** Assistant Professor, published a research article in a journal on Discontinuity, Nonlinear and Complexity (Scopus indexed with an Impact factor of 0.49).



be removed by surgery. On the other hand, cancerous cells proliferate and can be spicicly transmitted to in different sections of the brain. Usually, gloma is a malguard brain innore that develops from glut cells. If discussed the growth of glomas (2), Glomas can be divided into four types according to grade range. The futors grades of mucos can be classified in one-grade glomas. Glomas under grane Lar encommon tumors the mainly affect youngeter. Jacente glower and to solve the glomas. The most prevale "Composing gains the grane of the glower and the glower section of grade L glomas. The most prevale "Composing gains the glower section of the glower section of the glower section of grade L glomas. The most prevale "Initial advects suphick-ff grane and the glower section of grade L glowers."

Ms P Jinsha and Dr B Kogilavani, Assistant Professors, published a Book Chapter on "Contribution of Inclusive Leadership to Diversity and Innovation Advancement" in August 2024.

#### CHAPTER D6

The Contribution of Inclusive Leadership to Diversity and Innovation Advancement

> P, Jinsha\* Assistant Professor Department of Science & Humanities Sri Krishna College of Technology, Coimbatore

Dr. B. Kogilavani\*\* Assistant Professor Department of Science & Humanities Sri Krishna College of Technology, Coimbate

Abstract: Doversity and inclusion refer to the initiatives, guidelines, and procedures used by an organization to guarantee that individuals or groups from different walts of the are embraced and incorporated into the workplace as social and calmard level. An organization than prioritize diversity and which it works. The need for diversity and inclusivity in more important than ever at present. More individuals than at any time earlier have come together from different backgrounds, and experiences to create our more linked workl. Political options, rucial and calmard differences, secand orientation, class, religion, and gender identity are all considered forms of diversity. Diversity in the workplace refers to having people on staff who can digfer fresh vivespoints and experiences. When a member of a diverse group feels included, appreciated, trated pitty, and deeply ingrained in Jour culture, it is solid to be inclusive. Developing an inclusive workplace includes empowering every individual and appreciating there includes and concerning the solar charge towas concerning the solar transmitter. Diversity in the vidence of the solar diverse member of a diverse group feels includes to inclusive. Developing an inclusive workplace includes to concern dividual and appreciating there includes to be charged to be charged as the solar transmitter of the solar charged the vidence of the solar diverse transmitter. Define two created the vidence of the solar diverse transmitter. Define the solar charged the vidence of the solar diverse transmitter. Define two created the vidence of the solar diverse transmitter. Define two created the vidence of the solar diverse transmitter. Define two created the vidence of the solar diverse transmitter. Define two created the vidence of the solar diverse transmitter of the solar to be the vidence of the solar to be the solar to be the vidence of the solar to be the





#### **SCIENCE AND HUMANITIES**

### **Faculty Publication**

**Ms N Leelavathi**, Asst. Professor, published an article on **"Enhanced Accuracy and Reliability in Predicting Nipah Virus Outbreaks with Type-1 and Type-2 Fuzzy Sets in Biomedical Signal Processing and Control"** (Q1 Journal) with an impact factor of 4.9 (SCIE & Scopus indexing).

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ELSEVIER	journal homepage: www	xelsevier.com/locate/bspc
Type-1 and Type-2 N. Leelavathi <sup>a</sup> , <sup>a</sup> , M. Dhav <sup>a</sup> Department of Science and Hamanities, Sr	fuzzy sets	ting Nipah virus outbreaks with
ABTICLEINFO	ABSTRACT	NC
Nipoh situs Fuzzy logic Bierarchical fuzzy inference system Enriched segumeing Castnesk prediction Sphennislogical anadeling Public health surveillance	and uncertainties inherent in tegrates Type-1 and Type-2 fur and reliability of Nipah virus achieve higher and more com- analysis. Comprehensive geo hotspots and virus evolution Our results demonstrate th squared error (MSI) of 512.	ultimate untreads prediction models drives full shorts in handling the complexits epidemiological data. This research, introduces an over predictive model that rary sets within a hierarchical large inference system (JSS) to enhance the accura- tion of anomic coverage, handling to precise variant direction and robust genom- sistent genomic coverage, handling to precise variant direction and robust genom- particle and the system of the system of the system of the system precision of the system of the system of the system of the system precision of the system of the system of the system of the system at the proposed model significantly improves predictive accuracy, with a new compared to traditional models. The excited sequencing method reduced var-
	approach provides valuable in the importance of adaptive s	tion, ensuring a comprehensive understauding of the virus's genetic diversity. Th sights for targeted public health interventions and resource allocation, highlightic urveillance strategies. The proposed model's enhanced uncertainty handling as a significant advancement over existing methodologies, contributing to mo
outbreaks in South and Southea public health due to its high more human transmission. Traditional NV outbreaks have relied heav phylogenetic analysis, which, des the completities and uncertaintie diseases [1–3]. These convention mogeneous mixing of population accurately reflect the dynamic an The importance of accurate an be overstated, as it is crocial for r ensource allocation. Existing more ted-Recovered). SERR (Suss Baysian inference, and machin	appoint provides valuable in the importance of adaptive effective embrash manageme frective embrash manageme trice pathogen that has caused severe it static, posing significant threats to they rate and pointrails for human to the static sector of the static pathogen that has caused severe it static sector of the static pathogen and pointrails for human to pits their utility, offen fail to exput its inderest in the sector of adaptive pathogen and point pathogen and the pits their utility, offen fail to exput its inderest in the sector of a static pits the sector of adaptive and fixed parameters, which do not use of real-world parameters, which do not use of real-	tion, ensuring a comprehensive understauding of the virus's genetic diversity. Th sights for targeted public health interventions and resource allocation, highlightic urveillance strategies. The proposed model's enhanced uncertainty handling as a significant advancement over existing methodologies, contributing to mo





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