

03rd - 09th February 2024

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SKI | WORLD RECORD FOR A DRUG-FREE COMMUNITY



Sri Krishna Institutions has been honored with a prestigious certificate of appreciation from The World Record Unions for their remarkable participation in the Drug-Free Kovai World Record Campaign! Recognized for achieving the highest number of digital pledges against drug abuse, this achievement is a testament to the commitment in creating a healthier community.

The award was presented in a grand ceremony graced by distinguished guests, **Thiru.V.Balakrishnan**, I.P.S, Commissioner of Police, Coimbatore City, **Thiru.V.Badrinarayanan**, I.P.S, Superintendent of Police (Rural), Coimbatore District, and **Mr. Christopher Taylor Craft**, Representative of World Records Union at Tamilnadu College of Engineering Auditorium, Karumathampatti, Coimbatore.

This remarkable recognition marks a significant milestone in the journey of the Institution towards a brighter, drug-free future.







SKCET | CYBER SECURITY UNIVERSITY ACADEMY PROGRAM



SKCET launched **Cyber security University Academy Program** on 05th February, 2024, to make students Industry ready. **Principal Madam Dr. J. Janet** welcomed Chief Guest **Mr. Karthikeyan Shanmugam**, Cyber security lead, Bosch Global software and **Dr. Giridharan**, CEO Career TiQ and emphasized the importance of niche technology courses like AI, ML, Data Science and Cyber security offered at SKCET Campus to make students Industry ready from day-1.



SKCET | CYBER SECURITY UNIVERSITY ACADEMY PROGRAM





Session Highlights:

- Significance of Cybersecurity Course Certification for Students
- List of companies offering Cyber security profile for fresh graduates
- Overview of Cyber security in Bosch Software Technologies



SKCET | ACADEMIA INDUSTRY CONNECT



Dr.Jayasudha Subburaj, Placement Director, along with the Deans, Heads of various Departments and Faculty members had a fruitful discussion on Embedded Programme of Nasscom ER&D with **Mr Satish D V**, Deputy Director, Nasscom ER&D paving way for an innovative partnership in the field of Embedded Software on 08.02.2024.

Points Discussed

Generative AI Overview of PCB Software Automotive RTOS Embedded C Programming SDLC models



STUDENTS ACCOLADES

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CSBS | KARATE CHAMPIONSHIP



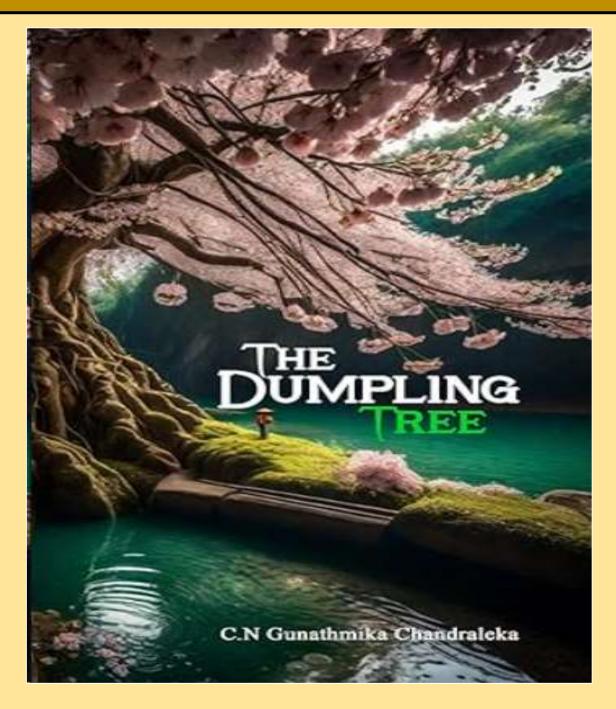
Risha R, student of **Second** year **Computer Science and Business Systems** has achieved remarkable success in the field of Karate. She has secured first-place in the Female Individual Kata and Female Individual Kumite (fighting) categories, both under 50 kg, during the Karate State Selection and Championship 2024. She also led her team to victory, clinching the first-place position in the Female Team Kata Games.







M.TECH CSE | BOOK PUBLICATION



C.N.Gunathmika Chandraleka, student of **First** year **M.Tech CSE** has published her first fiction book titled **'The Dumpling Tree'** for children under the age group of six and above.







EEE | E-KART CLUB ACTIVITY



Mr.M.Mukesh, Senior Engineer, Bosch Global Software Technologies, Bengaluru visited the EV lab in the Department of **Electrical and Electronics** on 31.01.2024 and provided valuable insights to enhance the fabricated vehicle performance. With a focus on innovation, he emphasized optimizing battery efficiency and incorporating smart technologies for improved speed and energy efficiency. His inspirational journey and career guidance further motivated the students' team to set a new benchmark in the electric vehicle landscape.

MCT | PREPARING THE NEXT GENERATION OF INNOVATORS & CREATORS IN IMMERSIVE TECHNOLOGIES (AR & VR)



Department of MCT organized a workshop entitled "Preparing the Next Generation of Innovators & Creators in Immersive Technologies (AR & VR)"

Resource Person: Visweswaran J, Country Manager, ARK Infosolutions Bangaluru.

Session Takeaways:

- Introduction to Immersive technologies
- AR/VR/MR/ XR
- Various applications of AR/VR
- Current and future needs of AR/VR
- Industry Needs
- Demo of VR



MCT | STP ON DIGITAL TWINNING OF MATERIAL PROCESSING TECHNOLOGIES – DAY 1



SKCET- MCT as Remote center, NITTTR Chandigarh organizes a Short Term course on "**Digital Twinning of Material Processing Technologies**" from 05.02.2024 to 09.02.2024. The STC drew enthusiastic participation from the faculty members.

Session 1 :

Resource Person: Prof. Rupinder Singh, NITTTR, Chandigarh

Topic: Overview & Need for Digital twinning in Manufacturing Session Highlights:

- Digital twinning and its importance.
- Challenges in implementing Digital twinning.
- Application in Material Elemental mapping.

Session 2

Resource Person: Prof. Suniti Dutt, NITTTR, Chandigarh

Topic: Basics of VR for Manufacturing Applications Session Highlights:

- Industries benefitting from AR/VR.
- AR/VR in various stages of product development.



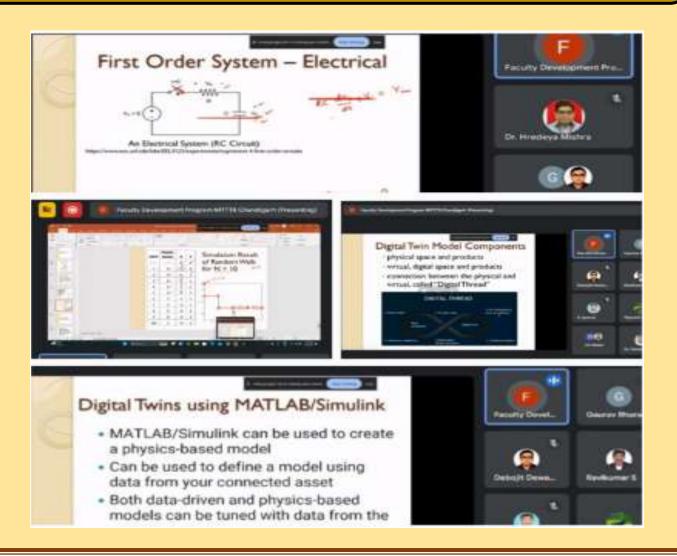
ECE | NSS - USVA OUTREACH ACTIVITY



In honor of **Elder's Day Celebration**, the Department of **Electronics and Communication Engineering** conducted NSS Outreach activity at Sevalayam Old Age Home located in Dhaliyur Village, within the Thondamuthur Panchayat of Coimbatore South, on February 5th, 2024. As part of this initiative, collected clothes were distributed to the residents of the old age home. The gesture was met with joy and appreciation from the recipients, who expressed their gratitude.



MCT | STP ON DIGITAL TWINNING OF MATERIAL PROCESSING TECHNOLOGIES – DAY 1



Session 3

Resource Person: Prof. S.S. Dhami, NITTTR, Chandigarh

Topic: MATLAB for Material Processing

Session take-aways:

- Introduction to Digital twin & MATLAB.
- Connectivity in various industries using Digital twin.
- Problem solving & simulation using MATLAB.
- Simulation using Random walk.



MECH | ROAD SAFETY AWARENESS PROGRAM



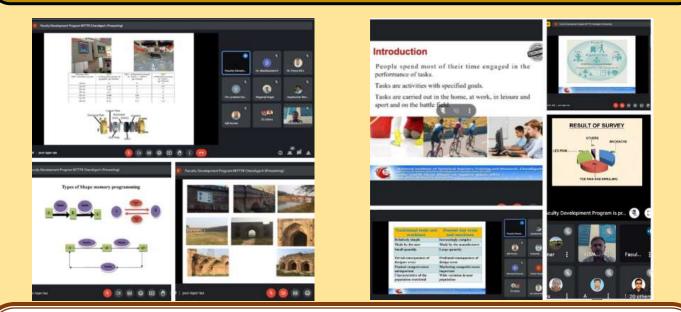
Department of Mechanical Engineering organized a Road Safety Awareness program to the drivers and non-teaching faculty of SKCET on 08.02.2024. Dr. P Ashoka Varthanan, HoD, Mechanical Engineering Department, extended a warm welcome to the guest speakers Mr. K B Sibimon, AGM of the Skill Center & MSDS, and Mr. R Rajkumar, the Branch Manager of MSDS.

Key take aways:

- Road accident statistics to create awareness
- Road Engineering and Vehicle Engineering Development in reducing accidents



MCT | STP ON DIGITAL TWINNING OF MATERIAL PROCESSING TECHNOLOGIES – Day 2



Session 1

Resource Person: Prof. Rupinder Singh, NITTTR, Chandigarh

Topic: Digital twinning Applications in Manufacturing **Session take-aways:**

- Application of Regression Modeling in Digital Twinning
- Virtual restoration of damaged architecture
- Modeling of Rapid Prototyping process
- Shape memory programming

Session 2 Resource Person: Prof. S.S.Banwait, NITTTR, Chandigarh

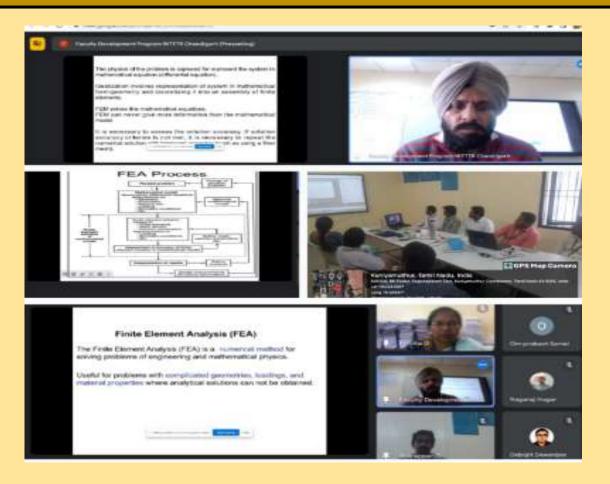
Topic: Ergonomic Aspects in Manufacturing

Session take-aways:

- Consequences of not using Ergonomics
- Area of study in Ergonomics
- Criteria in assessing Ergonomics problems and solutions
- Human characteristics relevant to Ergonomics



MCT | STP ON DIGITAL TWINNING OF MATERIAL PROCESSING TECHNOLOGIES -DAY 2



Session 3

Resource Person: Prof. Amrinder Pal Singh, Punjab University.

Topic: FEA for Manufacturing

Session take-aways:

- Magic of Discretization.
- General steps of Finite Element Analysis.
- Pre Processing stage.
- Solving stage.
- Post Processing stage.





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EEE | TUTOR WARD MEETING



Dr.K.Muthukumar and Ms.K.Subhalakshmi, faculty members of **EEE** Department conducted **Tutor Ward Meeting** for the Third year EEE B section students on 30-01-2024. The Pointers of discussion were;

- Participation in the project expo and hackathon.
- Importance of placement training.
- Punctuality and general discipline inside the campus.



EEE | TUTOR WARD MEETING





Mr.R.Kavin and Ms.T.Malini Assistant Professors, **EEE** have conducted Tutor Ward Meeting for the **Third** year EEE A section students on 30-01-2024. The Pointers of discussion were:

- Participation in the project expo, hackathon.
- Importance of placement training and regular class.
- Punctuality and general discipline inside the campus.



EEE | CLASS COMMITEE MEETING



Department of EEE conducted Class Committee Meeting for the First year EEE students on 19.01.2024. Dr.V.Nandalal Professor, Department of Electronics and Communication Engineering chaired the meeting. The Pointers of discussion were: Syllabus Coverage on Theory and Lab Courses.



ECE | TUTOR WARD MEETING





Tutor Ward Meeting was conducted for **Third** year **ECE B** Section on 06.02.2024 by **Dr Rejina Parvin**, Assistant Professor, **ECE**. The following points were discussed in this tutor ward meeting: Placement classes and regular attendance, Daily and weekly placement Test performance, Mini Project works, Publishing of papers in conferences and journals, Participating in Hackathons and Preparation of resumes.







PLACEMENT | TESTIMONIAL BY PLACED STUDENTS

My name is Adhira M, and I graduated from Mechatronics Engineering in 2023. Being a part of SKCET has been an incredible stroke of luck and fortune for me. During my time here, I've not only honed my leadership, interpersonal, and team skills but also elevated myself to new levels of personal and professional growth.

The four years spent at SKCET were filled with invaluable learning experiences and opportunities for self-improvement. I had the privilege of interacting with diverse individuals and creating lasting memories along the way. The supportive environment fostered by the facultystudent relationship allowed me to explore my areas of interest freely.

I am particularly grateful for the guidance provided by the placement cell, which played a significant role in preparing me for interviews and equipping me with the necessary skills for the future. I owe a debt of gratitude to the management, Principal, and the entire SKCET family for their unwavering support and for continuously providing me with various opportunities to grow and succeed. They have instilled in me a sense of confidence to tackle life's challenges and uncertainties head-on.



ADHIRA M MCT 2023 Batch L&T INFOTECH



RESEARCH AND DEVELOPMENT



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R&D | JOURNAL PUBLICATION | EEE

EAI Endorsed Transactions

A Novel Comparative Analysis of Solar P&O, ANNbased MPPT Controller under Different Irradiance Condition

Partitular C¹, Diatysian R², Anandhu Kamar S², Diarahan Y², Harishuran R², Vijepadharshun M² Materia Wellenie, Departmer of Electricit and Electronic Engineering, in: Electronic College of Engineering and Technology Constraints Influenced and Electronic Engineering, in: Restance College of Engineering and Technology Constraint, Electronic II.

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Keyword: PV cross, PAO, ANN, MRPT

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Ante EALEU

Ms.C.Pavithra, Assistant Professor, Department of **EEE** has published a "A Novel paper entitled Comparative Analysis of Solar **P&O, ANN-based MPPT Controller** under Different Irradiance Condition" EAI Endorsed in Transactions on Energy Web. It is indexed in Scopus journal with an impact factor of 0.211.

R&D | JOURNAL PUBLICATION | EEE

Mr.R.Kavin Assistant Professor. Department of **EEE** has published a entitled "Enhancing paper **Computer Science: Exploring the** Power of Decentralized Blockchain Techniques in IoT Security and **Privacy**" in the International Journal Intelligent Systems of and Applications in Engineering. It is indexed in Scopus journal with an impact factor of 1.74.



INTELLIGENT SYSTEMS AND APPLICATIONS IN ENGINEERING

Enhancing Computer Science: Exploring the Power of Decentralized Blockchain Techniques in InT Security and Privacy

¹Ingera Chesae Pepado², Saroyan Dechanda³, Seita Pendyanan Baru², R. Karta², Processa P Dechgonde³, Dr. Karan Mayor Adaruth², Krishan Kasa Yadar³ Indené 19/20127 Returk 21/01/2024 Accepted 11/01/2024

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R&D | PAPER PUBLICATION | ECE

Dr.R.Senthil Ganesh, Associate Professor, Department of ECE, has published SCI and Scopus indexed Journal titled "Integration of Artificial Intelligence in Micropatch Antenna Design for AMCA Aircraft" in the International Journal of Intelligent Systems and Applications in Engineering. Vol 12, Issue 5s, pp. 301–308.



INTELLIGENT SYSTEMS AND APPLICATIONS IN ENGINEERING

Integration of Artificial Intelligence in Micro-patch Autenna Design for AMCA Aircraft

"Dr. P. Breys", Dr. R. Serthil Gaussie", Dr. S. A. Sitekanani", Dr. A. Yiperalakohad", Dr. A. Körgde Anhalisman", Dr. B. Micrithi Maakar"

Industrial CONTROL Review 2010/2019 Accepted (COLUM)

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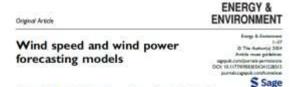


Dr Jayanthi Sree, Associate Professor, Department of ECE along with Final year ECE students Mokan Raam E, Lingamoorthy S Jaya Harshan S and has published a paper titled "Design And Implementation Of Moving Object Detection Using RCNN" in the International Conference on Informatics Computer and (ICCCI) " held on 29th to 31st Jan 2024.



R&D | PAPER PUBLICATION | MCT & IT

Dr. M. Lydia. Professor. Department of **Mechatronics** Engineering and Dr. G. Edwin Prem Kumar, Professor, Department of Information Technology have published a paper titled "Wind speed and Wind power forecasting models" Environment Energy and in (Sage Journals) with an Impact Factor – 4.2. It is a Scopus and WoS indexed Journal.



M. Lydia¹ 0, G. Edwin Prem Kumar¹ and R. Akash³

Abstract Sustainable energy resources have proved to be the best alternative in the wake of enviro Sustainable energy resources have proved to be the best alternative in the wake of environmental degradation, depletion of ozone layer and even-increasing demand for energy. Though wind energy is a promising resource, the non-lever manner and non-excitorary duracteristics of wind have remained a formidable challenge. Variability in wind power has posed numerous challenges in man-aging the power systems, expendially in grind evenandors, penetration and integration. Forecasting wind is one of the powerful solutions to solve this problem. As the penetration of remevable energy sources it poised to increase in frazers, an accurate prediction can go a long way in helping the electricity grid to perform well. This artide presents a molecular analysis of the coordination of energy toerdy many distributions of forecasting bechnologies, data, time horizon, various forecasting approaches and error metrics has been presentation and once, variants forecasting approaches and error metrics has been presentation in durate. The plethors of research issues that continue to challenge power system operators, wind here or wind appead forecasting with subert reliability and outstanding occurricy is the need of the hour.

Keywords Deep feaming, error metrics, forecasting, physical model, statistical model, sine horizon

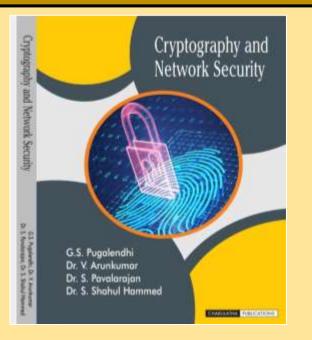
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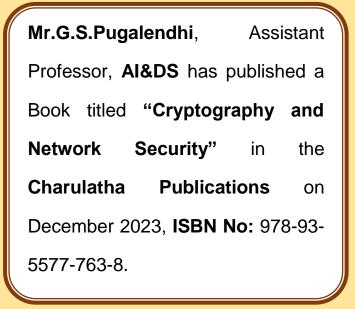
Around 75% to 85% of pollution which is responsible for global warming is generated by thermal power plants. Due to this global environmental deprivation and shortage of conventional energy momentes, investing in clean energy initiatives has become a deliberate mandate for all countries.

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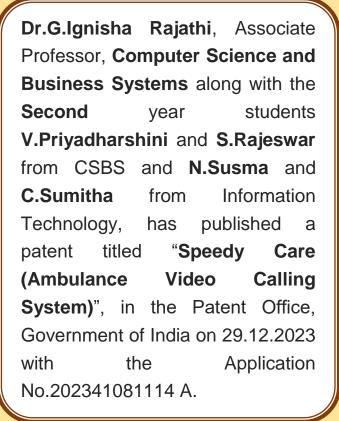
R&D | BOOK PUBLICATION | AI&DS







R&D | PATENT PUBLICATION | CSBS





The Parent Office Journal No. 52/2023 Dated: 29/12/2023

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R&D | JOURNAL PUBLICATION | CSE

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Probabilistic techniques for location based services using
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AP Carl Proc. 38(2), 101038 (2024)

Probabilistic Techniques for Location Based Services Using Computational Intelligence

G. Revathy^{1,4]}, M. Vengateshwaran 2.19, M. Revathi^{3,13} and

K.V. Priyadharshini^{4, di}

¹Department of CSE, SRC, SRC, SATZRJ Downed Conversity, Konshalaman, Anda Department of CSE, Src Krishna College of Engineering and Technology University, Colombatore, John.

¹ Department of Information Technology, McKanarauany College of Technology, Chemic, India ¹Department of Information Technology, McKanarauany College of Engineering, Karor, India

**Conceptinding author: investigan@unkasi@genal.com *Voivengateshi@genal.com *genevathippinath@genal.com *Prtradbacathin1701%@genal.com

Abstrart - Usage of Ideammunication contributed with advancements in technology, in possisting the creation that replorit near? Ideations in provide information. As a small of issues are proving, necessitating complex whitties that can provide users with varying intoits of location presary than adding. Nature Bayes Classification adjustition for grouping of locations. Mr.M.Vengateshwaran, Assistant Professor, CSE has published a paper entitled "Probabilistic Techniques for Location Based Services Using Computational Intelligence" in the AIP Journal Publisher. It is in Indexed in Scopus.

DOI:https://doi.org/10.1063/5.018



R&D | BOOK CHAPTER PUBLICATION | IT

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Dr.M.Rajkumar, Professor Department of IT has published a book chapter titled "Internet of Things (IoT)-Integrated Technologies in the Agriculture Sector" in the book Agriculture and Aquaculture Applications of Biosensors and Bioelectronics (pp. 196-212). It is Scopus Indexed (IGI Global). https://doi.org/10.4018/979-8-3693-2069-3.ch010

R&D | JOURNAL PUBLICATION | MECH

Dr. KP Yuvaraj, Assistant Professor, Mechanical Department of Engineering, has published а article titled "An research experimental method for choosing the tool pin profile and shoulder size to join dissimilar aluminum alloys AA7075-T651 and AA6061-T6 joints" in Materials Research Express. It is indexed in Scopus and WoS with an Impact Factor 2.3.

Materials Research Express

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0	An experimental method for choosing the tool pin profile and
WERADORS	shoulder size to join dissimilar aluminum alloys AA7075-T651 and
What 202	AA6061-T6 joints
Hanner (12) Antice accession Antice accession	K.P. Yuranzi, A.Shobanz, Nizhi Kasukki, Addan Dedin Dotto ¹¹ and Sanjao Kamar Dat ¹ . Urstanud Tujaoreng, Sci Vana Critigo Urgano tagud Tulating Lindianov, Tari Kata, Inda ¹ . Walkand Tujaoreng, Sci Vana Critigo Urgano tana, Cardina Tulating, Tulating ¹ . Dataman of Patrimit and Tulating Tulating Tulating Critical Analysis ¹ . Autors of Computing Tulating Tulating ¹ . Autors of Computing Tulating Computing Sci International Computing Computing ¹ . Autors of Computing Computing Computing Computing Computing Computing ¹ . Autors of Computing Computing Computing Computing Computing Computing ¹ . Autors of Computing Computing Computing Computing Computing Computing Computing ¹ . Autors of Computing Computing Computing Computing Computing Computing Computing ¹ . Autors of Computing Computing Computing Computing Computing Computing Computing ¹ . Autors of Computing Computing Computing Computing Computing Computing Computing ¹ . Autors of Computing Computing Computing Computing Computing Computing Computing Computing ¹ . Autors of Computing Computing Computing Computing Computing Computing Computing Computing ¹ . Autors of Computing Computing ¹ . Autors of Computing
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CSBS | COFERENCE SESSION CHAIR

Dr. S. Balakrishnan, Professor and Head, Department of Computer Science and Business Systems, Certificate received a has of **Appreciation** for serving as а Session Chair for the International Conference on Computer Communication and Informatics organized by Sri Shakthi Institute of Engineering and Technology, Coimbatore, which was held from January 29th to 31st, 2024.



CSBS & MECH | FACULTY SPORTS ACCOLADES



Mr. S. Palani, Assistant Professor, **Computer Science and Engineering** (Cyber Security), and Dr. Α. Satishkumar. Assistant Professor, Mechanical Engineering, First Position have secured in Badminton—Doubles in the State Level SKASC Teacher's Trophy held at Sri Krishna Arts and Science College, Coimbatore, on February 3, 2024.



CIVIL | MENTOR APPRECIATION

Dr. R. Chandra Devi and Mr. R. Vighnesh, faculty members of Civil Engineering have been appreciated for mentoring the student teams to participate in the National Cube Contest organized by the ICI Students Chapter, Department of Civil Engineering, PSG College of Technology, Coimbatore.



CSE | DOMAIN SCHOLAR CERTIFICATION

Ms. V.R. Azhaguramyaa, Assistant Professor, CSE has achieved the Domain Scholar esteemed Certification in the Systems Domain Science of Computer and NPTEL. Engineering from At the NPTEL Star Event on January 20, 2024, hosted at IIT Madras, she shared her enriching journey and insights as a recognized Domain Scholar and also had the privilege of providing valuable suggestions to the NPTEL team during the event and has garnered recognition by being featured on the official NPTEL page.









MCT | FDP ON RECENT TRENDS IN ARTIFICIAL INTELLIGENCE





Ms. S. Nithyapriya, Ms. S. Kannaki and Mr. S. Madhan Kumar Assistant Professors of MCT have participated and successfully completed one week (Online Mode) Faculty Development Program on "Recent Trends in Artificial Intelligence" organized by the Department of Computer Science and Application, Faculty of Science Bhupal Nobel's University, Udaipur with Pantech e - Learning conducted from 22nd January - 27th January 2024.



AI&DS | MICROSOFT CERTIFICATION

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AI&DS | COURSERA CERTIFICATION

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Mr.S.Senthil Kumar and Mr.K.Balaji Assistant Professors of **Al&DS** has successfully completed "**Getting Started with Azure IOT Hub**" by Coursera Project Network and offered through Coursera.



AI&DS | FDP ON EMERGING TECHNOLOGIES IN COMPUTER SCIENCE

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DEPARTMENT OF COM	DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING				
Certificate of Participation					
This is to certify that					
1000235	ta Lakshmi, Professor / /				
of Sri Kri	shna College of Engineer	ing			
has participated in the Inte	rnational Faculty Develop	ment Programme on			
"Emerging Technologies in Computer Science" during 22.01.2024 to 27.01.2024.					
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* Dr. K. M. Anandkumar	Dr.Y. Justin Dhas	Dr. R. S. Kumar 🔺			
Convener	HzQ+CSE	Précipi			

Dr.S.Venkata Lakshmi Profess	sor
of AI&DS has participated in t	he
International Faculty Developme	ent
Programme on " Emergi	ng
Technologies in Comput	ter
Science" during 22.01.2024 a	nd
27.01.2024.	

CSE | GEN AI 360

Dr.Rohini	Μ	,	Ass	istant
Professor,	С	SE		has
completed	Ge	en	ΑΙ	360
Certification	n,	dev	elope	d in
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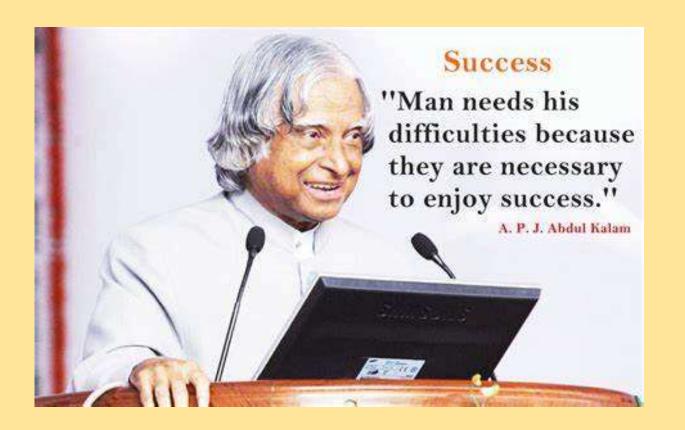


IT | INFOSYS CERTIFICATION



Dr. S. Durga, Associate Professor,
IT Department has successfully
completed the course on
"MicroPython Board" on January
30th 2024 certified by Infosys
Springboard.

LEGENDARY INSIGHTS









EEE | ALUMNI GRATITUTE MEETING



Ms.T.S. Arundhathy, prominent alumna of **EEE** Department (Batch:2017-2021) met our Principal Madam, Dean of Placement and Dr.Ramya, HoD, EEE on 5.2.2024 and shared her joy and gratitude. She is currently pursuing her MBA in Symbiosis Institute of Business Management, Pune. Before starting her MBA journey, she held the position of Marketing Executive at Soliton Technologies.



ECE | ALUMNI RECOGNITION









SKCET ICON AWARD

Mr. Richmond Johnson 2012-2016 Batch Software Engineer, Microsoft, Washington,US

OUTSTANDING CONTRIBUTOR AWARD

Mr. A. Suryah 2014-2018 Batch Senior Engineer, Hella India Automotive Pvt Ltd.

OUTSTANDING CONTRIBUTOR AWARD

Mr. Bharath Raj Kumar 2015-2019 Batch Software Engineer, Booking Holdings & Founder, Incend Digital Pvt Ltd

Office Bearer – Coimbatore Chapter

Mr. Karthik Ponnusamy 1999-2003 Batch Senior Manager CTS Coimbatore



EEE | ALUMNI GUEST SEMINAR



Department of **Electrical and Electronics Engineering** organized alumni Guest Seminar on the topic **"Building Blocks of Silicon: Small Size, Big Impact**" for Third year **EEE** students on 05.02.2024.

Resource Person:

Ms.T.S.Arundhathy (2017-2021 Batch Alumna), Marketing Executive, Soliton Technologies, Coimbatore

Session take-aways:

- Importance of core company (solition) and IC industry through mentimeter platform
- Silicon chips, Manufacturing, Processing, building blocks application
- > Important role in innovation of aero plane.
- Testing and validation process in semiconductor industry
- Knowledge about Texas instruments manufacture and validate the processor for the Apple iPhones
- Importance of IC and its role in AI and ML, autonomous vehicles
- Innovation opportunity and growth