SKCET Buzz

24th - 30th JUNE 2023

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INSIDE THE ISSUE

Happy Reading!

SKCET Buzz

STUDENTS PROGRESSION

PROGRESS....
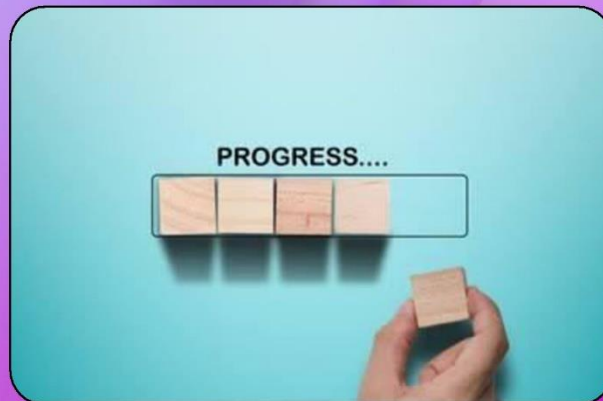
CSBS | OPEN MOBILITY CHALLENGE

Namma Yatri - Bangalore Open Mobiliy Challenge - Winners

	Question/Prize	Name
	Grand Prize Winners	
a	Winner	Gurkeerat Singh
b	Runner Up	ViNod Biradar, Nishan B, Sumit Mishra
c	Runner Up	Ajinkya Kulkarni, Kaashvi Batra, Adarsh Pal
	Track/Question wise Winners	
	Track 1: Driver Empowerment	
1	Q1.1 Problem Statement 1: Driver Earnings Improvement	
a	Winner	Urgian Padma
b	Honorary mentions	C A Anusha
c	Honorary mentions	Varshath Gupta S
d	Honorary mentions	Jigyasa Gupta, Rahul Jagwani, Pratham Shukla
e	Honorary mentions	Bhoogarv Maheshwary, Kunal Kabra, Raj Kumar
2	Q1.2 Problem Statement 2: Financial Well-being of Drivers	
a	Winner	Joel Johnson
b	Honorary mentions	Rajan Paswan
3	Q1.3 Problem Statement 3: Skill Development	
a	Winner	Aditya Raj
b	Honorary mentions	S.S. Kalai Selvi
c	Honorary mentions	Anannya Chuli
	Track 2: Future of Mobility	
1	Q2.1 Problem Statement 1: Multi Modal Transporation	
a	Winner	Aniruddha Sengupta
b	Honorary mentions	Trijeet Modak
c	Honorary mentions	Shivam Agrawal, Harshit shah, Sagar Agrawal
2	Q2.2 Problem Statement 2: Smart Batching	
a	Winner	Sumeetsingh Punjabi, Ayush, Yesha
b	Honorary mentions	Shambhavi Rai
c	Honorary mentions	Darshan N
d	Honorary mentions	Ankit Kumar, Nitesh Kumar, Sahil Gupta
3	Q2.3 Problem Statement 3: Bengaluru Open Issues	
a	Winner	Tandrima Singha , Meha Shukla , Bhaswati Roy
b	Honorary mentions	Shruti Tripathi
	Track 3: Namma Yatri	
1	Q3.1 Problem Statement 1: Map Cost Improvements	
a	Winner	Harsh Gupta, Sahana Gowda

Namma Yatri - Bangalore Open Mobiliy Challeng

	Question/Prize	Name
b	Honorary mentions	Sagar Kumar Indra Jha
c		Deepak Kumar
2	Q3.2 Problem Statement 2: Booking Without App	
a	Winner	Harmanjit Singh
b	Honorary mentions	Rakhul K R
c	Honorary mentions	Apoorva
d	Honorary mentions	Chirag Hegde
e	Honorary mentions	Ijaz Ahmed V A Jegannath R
f	Honorary mentions	Josh K Joby, Mansoor Ahmed
g	Honorary mentions	Shreyash Halge, Darshan Bhandari, Adi
h	Honorary mentions	Niharika Rathore
i	Honorary mentions	Udeshya Raj
3	Q3.3 Problem Statement 3: Customer Acquisition	
a	Winner	Vishal Vishwanathan
b	Honorary mentions	Sandhya Barathi
c	Honorary mentions	Mayank kumar
d	Honorary mentions	Ramya Talatam
e	Honorary mentions	Ojasvi Agrawal
f	Honorary mentions	Shantanu Singh
4	Q3.4 Problem Statement 4: User Frequency & Retention	
a	Winner	Khubaib Ahmad
b	Honorary mentions	Laksha Ahuja

Second year student team from the **Department of Computer Science and Business Systems** has received a **gift voucher worth Rs.5000/-** from **Amazon** for the team's outstanding efforts in developing a comprehensive customer acquisition plan which took place from 30th March to 30th April 2023.

The team was also given an **honorary mention** in the **Customer Acquisition track of the NammaYatri Open Mobility Challenge**. NammaYatri Open Mobility Challenge is a prestigious event that aims to promote and explore innovative solutions in the field of customer acquisition for mobility services.

Team Members:

Sandhya Barathi K, CSBS

Sri Subiksha T, CSBS

MECH | INTERNSHIP @ BHEL

Following **Final** year students from the Department of **Mechanical Engineering** underwent an Industrial training at BHEL Hyderabad for a period of 15 days (15th June to 29th June) to gain practical insights in the manufacturing and operation of turbines, compressors and auxiliary systems. The internship experience in the compressor and turbine section at BHEL has significantly enhanced the resume, demonstrating their ability to work in a demanding technical environment and showcasing practical skills and knowledge.

- Suchit R
- Thomas Vimal V Rayen T
- Vicknesh V
- Vignesh N
- YaswanthKumar M
- Keerthivasan S J

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AI&DS | NATIONAL PAPER PRESENTATION CONTEST

B.Indira Chetty, student of **Final** year **AI&DS** has won **Second prize** in the National Paper presentation contest organized by Agriculture Society College of Agriculture on the topic "Revolution of agriculture through cutting edge technology" on 18th May 2023.

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EVENTS

CIVIL | GUEST LECTURE ON BENEFITS AND OPPORTUNITIES THROUGH GATE EXAM

Department of **Civil Engineering** organised a Guest lecture on the topic **"Benefits and opportunities through GATE Exam"** for the Pre- final year students on 26th June 2023. **Mr.A.Saravanakumaran**, Branch Manager, Gate Forum, Coimbatore was the Resource Person.

Session Takeaways:

- Phases of competitive exams
- State and Central government jobs variations
- Cut off details for various categories
- Eligibility criterias for exam
- Information regarding doing Masters in abroad .

MCT | FACULTY SEMINAR SERIES

Department of **Mechatronics Engineering** organized **Faculty Seminar Series** as a part of knowledge sharing sessions among faculty members on 23.06.2023. **Dr.K.Ananthi**, Assistant Professor, **MCT** delivered a session on **Amazon Web Services (AWS).**

Key Takeaways:

➢ AWS Cloud computing

➢ AWS Ecosystems

➢ AWS storage

➢ Advantages of AWS

➢ Applications of AWS

➢ AWS use cases

SOM | FDP ON DATA VIRTUALISATION USING MICROSOFT EXCEL AND MICROSOFT POWERBI
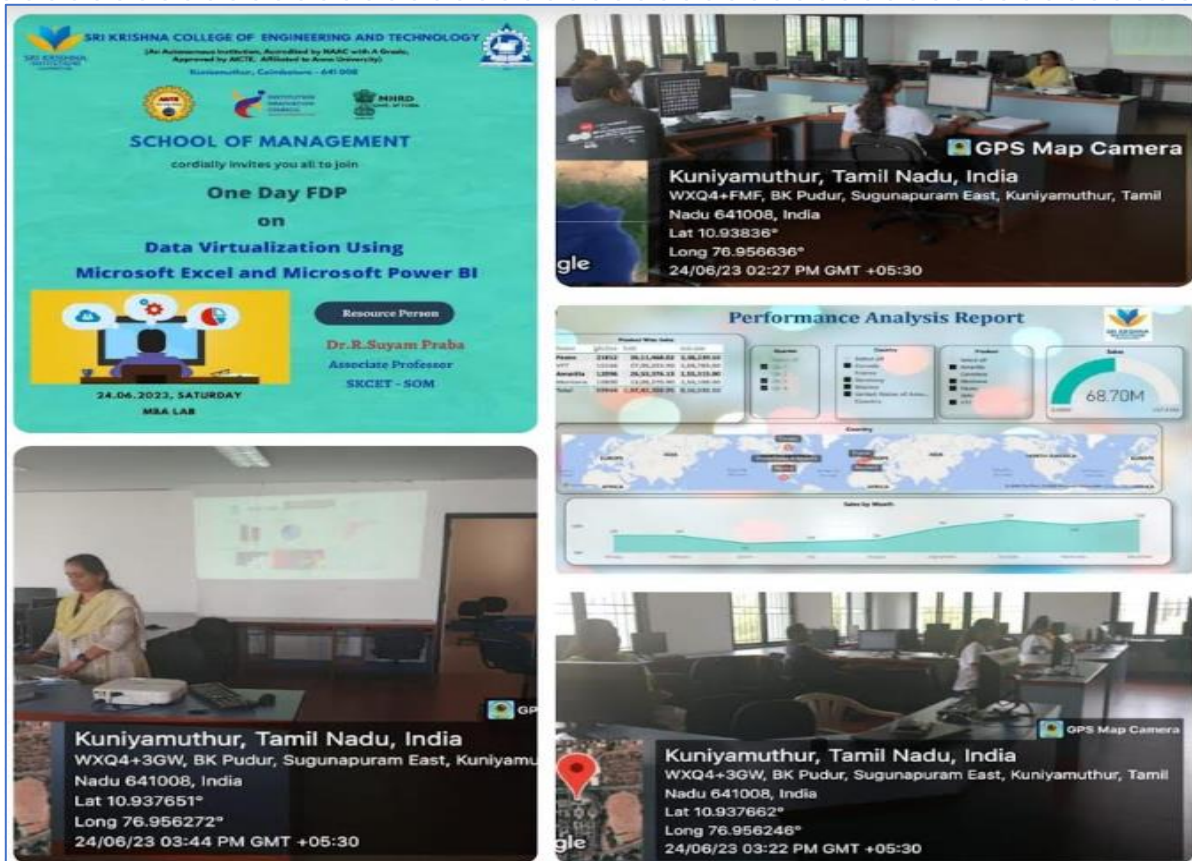
School of Management organized One Day FDP on **Data Virtualization using Microsoft Excel and Microsoft Power BI** on 24.06.2023.

Resource person: Dr.R.Suyam Praba, Associate Professor, SOM – SKCET.

Session Takeaways:

- Hands-on experience on data analytics and business intelligence
- Report formatting using Ms Excel
- Data extraction from multiple data sources in MS Power BI
- Creating interactive data visualizations tools
- Dashboard Creation using Microsoft Power BI and Ms Excel

EEE | SEMINAR ON PROFESSIONAL SOCIETY MEMBERSHIP

Dr.S.Sivaranjani and **Dr.B.Karthikeyan** from **EEE** Department, conducted IEI Professional Society Membership Awareness Program for the **Third** year EEE B section students on 23-06-2023.

Session Highlights:

- Importance of Professional Society Membership.
- Benefits of accessing IEI Digital Library.
- National and International level connectivity of technical knowledge hub.
- Knowledge Sharing by attending National wide conferences through IEI.
- Publishing papers in International Journal Linked with IEI- SPRINGER.

S&H | TAMILMANDRAM

Tamil Literary Club of **SHA** organized குறிஞ்சி 2023 for the **First** year students to create a warm and welcoming atmosphere that encourages participants to actively engage with Tamil literature and appreciate the beauty of language. The event emphasized the importance of preserving and promoting the rich literary traditions of Tamil language for future generations.

SOM | INDUSTRIAL VISIT

First year **MBA students** as a part of their Industry Visit, visited **Milky Mist Plant, Erode** on 21st June 2023**.**

Key Takeaways:

- Introduction to dairy products production and Milky Mist plant.
- Standard operating procedures of the unit.
- Production processes of milk, cheese, butter, paneer, ice cream and Milkshake.
- Automation in manufacturing and supply chain management
- Importance of Quality Assurance and R&D in Food Products
- Types of warehousing.
- Insights on Strategies and Branding of Products
- Ideas of developing value-added products and Diversification of Products.
- Efficient usage of Degradable waste and the production renewable energy.

Buzz

MECH | HARVESTING OF ORGANIC GREEN CHILLY FROM POLYHOUSE

Department of **Mechanical Engineering** constructed Smart Polyhouse at SKCET campus few months back and planted tomato and green chilly saplings. On 28.06.23 the team harvested 4 kg of organic green chillies and handed it over to our boys' hostel kitchen. This poly-house was constructed as the part of SEED project (Science Technology & Innovation Hub) funded by DST – Government of India.

S&H | WESTIBULE CLUB
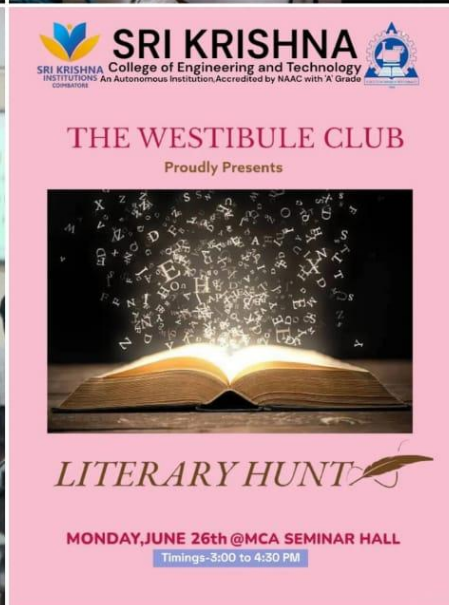
Westibule Club of **SKCET** organized **Literary Hunt** for the B.E/ B.Tech students. The event accomplished its objectives of promoting literary awareness and nurturing critical thinking skills among the participants. It was a great opportunity for students to showcase their knowledge and passion for literature.

SOM | HR CLUB-ANTHROPOS

SOM in association with **HR club Anthropos** organized **Think HR** club activity on 22nd June 2023.

Highlights:

- The event had around 30 club members taking part in the games.
- HR Anagrams was displayed and students participated with full enthusiasm.
- The event provided an excellent opportunity for the students to understand the HR terminologies and the ways to start practicing them.

SOM | MARKETING CLUB- THE MAVERICKS

SOM Marketing club **THE MAVERICKS** organized marketing event **ADZAP** in club activity on 22nd June 2023 at MB04.

Insights

- The event had around 20 club members taking part in the activity.
- The event provided an excellent opportunity to engage the students and to educate them with fun.

The hands-on experience gained provided the students with valuable insights into the world of advertising, enabling them to excel in their future endeavors.

SOM | MARKETING CLUB- THE MAVERICKS

School of Management - Marketing Club **The Mavericks** conducted **Alumni talk** on **Engage, Excite and Convert: Finding the right fit for your Social Media Strategy** on 23.06.2023.

Resource person: Mr.Sri Hari P, Social Media Strategist, SaasAnt SKCET SOM Alumni (Batch 2021-23)

Session Takeaways:
- An overview of social media marketing.
- Deep insights on different social media platforms.
- Differentiated role of marketing strategies in every social media platform.
- Defining the social media strategy goal.
- Identifying the target audience.
- Trends and updates in social media marketing.
- Common mistakes to be avoided in social media marketing.
- Real time challenges and Suggestions for social media / digital marketing tests and courses.

S&H | THEATRE CLUB
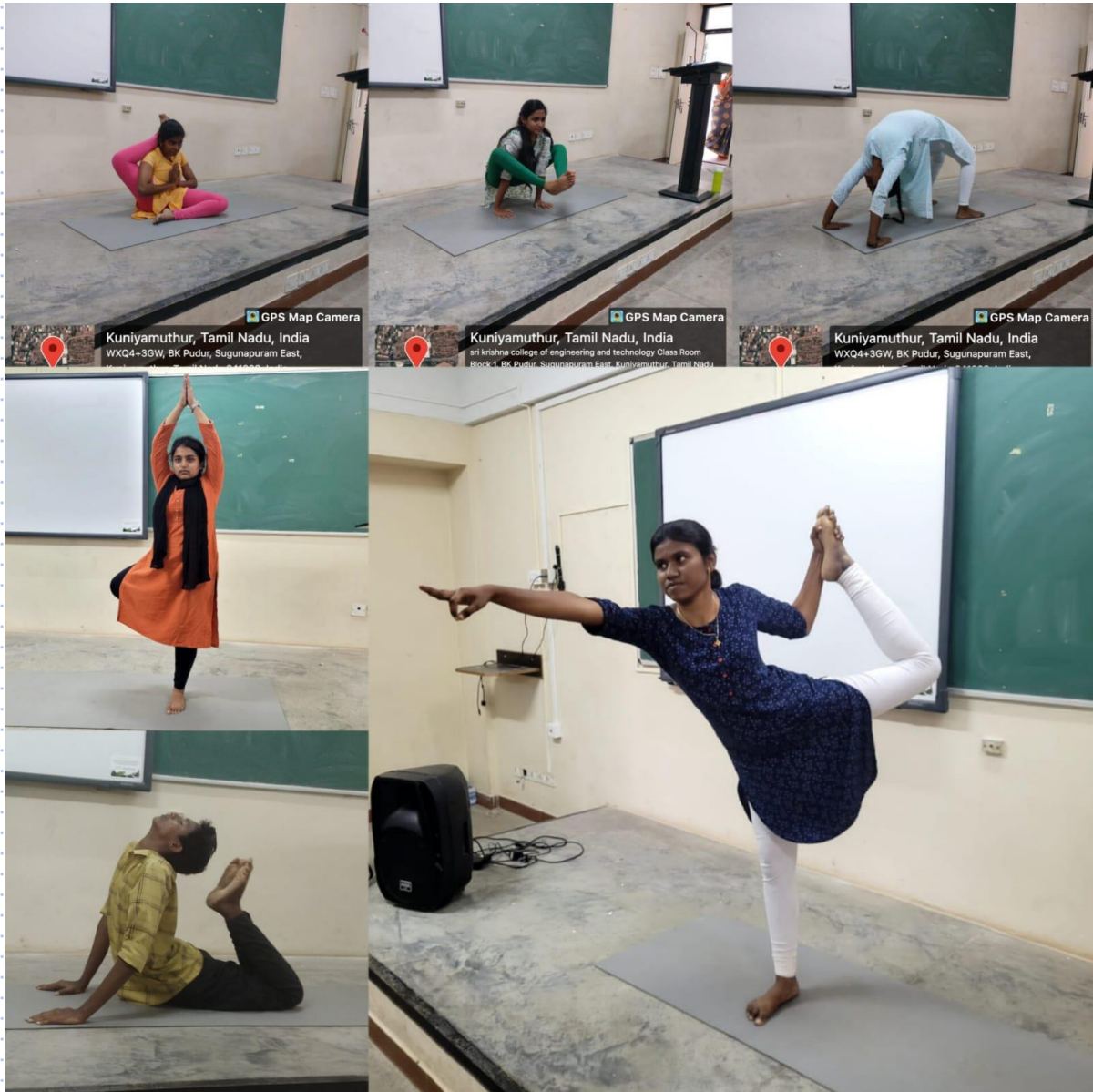
Theatre Club of **SHA** organized **Pose the Yogic Way** event, on account of yoga week for the **First** year students. The primary objective was to introduce participants to the practice of yoga and its positive effects for self-expression and mindfulness. The participants actively engaged in the practice of the asanas and demonstrated enthusiasm for integrating theater techniques with yoga.

SOM | ONE DAY WORKSHOP ON INTERNATIONAL DAY AGAINST DRUG ABUSE AND ILLICIT TRAFFICKING

NSS-USVA and School of Management organized a One-day workshop on "**International Day Against Drug Abuse and Illicit Trafficking**" on 27.06.2023.
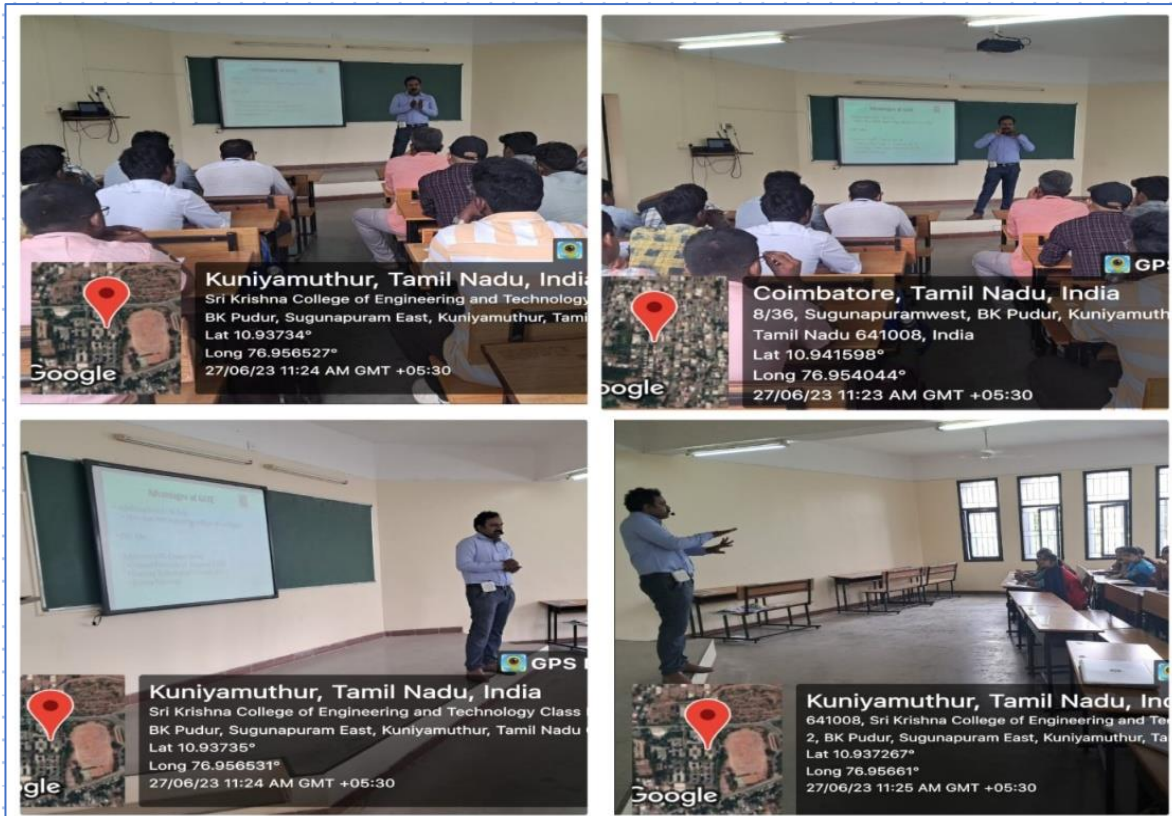
Resource persons:

Mr.V.Baskaran, Inspector of Police, Kuniamuthur Police Station, Mr.T.Manikandan, Sub-Inspector of Police, Kuniamuthur Police Station and Ms. Sheela Devi, Women Grade I.

Session Insights:

- Impact caused in body parts due to the usage of drugs.
- Ways through which youngsters are targeted by traffickers
- Chain of impacts on the family members and other people associated with the drug users.
- Awareness on the support extended by the police department during adverse times for youngsters.

EEE | SEMINAR ON HIGHER EDUCATION GLOBAL PERSPECTIVES, EMERGING CHALLENGES AND INSIGHTS

Department of **Electrical and Electronics Engineering** conducted an awareness session on **'Higher Education - Global Perspectives, Emerging Challenges and Insights'** for the Final year EEE Students on 28.06.2023.

Resource Person:
Dr.A.Saravanakumaran, Branch Manager, GATE FOURM, Coimbatore.

Key Highlights:
- GATE Exam pattern and Syllabus
- Career through GATE
- Scope of qualifying GATE exam
- Getting into Public sector
- Study at Overseas, Challenges and Opportunities.

EEE | ENERGY AUDIT CELL ACTIVITY

Dr.G.RadhaKrishnan, Associate Professor, **EEE** department conducted an **Awareness Programme** for the Pre –final year students on 22.06.2023.

The insights of Energy Audit Cell, role of energy audit, energy conservation measures and monitoring of power flows throughout the campus using SKCET Energy App were addressed to students.

The students were also advised to take part actively in upcoming Energy audit cell activities - Conduction of Energy Audit, Energy App development with controllers and Outreach programmes.

CIVIL | GUEST LECTURE ON HIGHER STUDIES AND CAREER OPPORTUNITIES FOR CIVIL ENGINEERS

Department of **Civil Engineering** organised a Guest lecture on **"Higher Studies and Career opportunities for Civil Engineers"** for the **Final** year **Civil Engineering** students. The resource person was **Mr. P. Dinesh Kumar**,Marketing Manager, Edwise International, Coimbatore .

Session Takeaways:

- Career opportunities available for Civil Engineers
- Courses offered by the foreign universities
- Competitive exams for pursuing higher studies

S&H | EXTENDED HOUR ACTIVITY

Creative Club of **SHA** conducted **Abstract Art** for the First-year students to foster an inclusive and supportive environment that encourages experimentation and personal expression. The event encouraged participants to embrace the freedom of abstraction and have fun with their artistic journeys.

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PLACEMENT AND TRAINING

EEE | TESTIMONIAL BY PLACED STUDENTS

Firstly, I would like to express my heartfelt gratitude to Sri Krishna Family. I would also like to extend my regards and thanks to the faculty members of my department who played an integral to my success and enabled me to have a positive approach in life.   I am privileged to be a part of the SKCET family. The management provided us with excellent placement training programs and numerous campus interview opportunities. "There is only one difference between Dream and Aim. Dream requires effortless sleep and Aim requires sleepless efforts". I can say that SKCET has been the best part of my life and I admire the support and dedication I received from the management and my EEE department. We were well trained for placements and because of the training I got placed in CTS. I genuinely thank all the friends, staff and professors who made my college life a happy memory.

GOWCHIK S
EEE (2023 Batch)
CTS

PLACEMENT | TESTIMONIAL BY PLACED STUDENTS

I am Abdul Razeem K, and am a passed out of Mechatronics Engineering Batch of 2023. My experiences at SKCET have helped me shape my interests in both research and development. The college provides all-round development in academia, leadership, and extra-curricular. There is a vast and an in-depth learning experience helping one to develop practical knowledge of the subjects. The college has lots of opportunities for students to expand not only their technical acumen, but more importantly, develop approaches for problem solving, and analysis, which aids in career growth. I would like to specially thank the placement cell for guiding me and providing me a good platform for my career. I am very much grateful to my parents for choosing SKCET. Thanks to our Principal Madam and entire SKCET faculty team.

**ABDUL RAZEEM K,
MCT (2023 BATCH),
Accenture**

PLACEMENT | TESTIMONIAL BY PLACED STUDENTS

The skills that I gained in SKCET helped me to achieve great heights in my professional life. SKCET is a place full of opportunities and each opportunity that I gained here is helping me in tackling difficult situation in the best possible way. The College provides a path to expose our ideas in various fields, thus making everyone being confident about their skills and abilities. It helped me broaden my perspectives and gain a deeper understanding of various skills. It also taught me various life lessons and corporate skills. The college always ensures that students receive quality education and learn through practice. The placement cell helped us in getting placed in top leading firms with good package. The faculty members played a great role in encouraging us into better individuals. Overall, I am grateful for the many opportunities and experience that my college has provided me.

**RAVEENA P, EEE
(2022 BATCH)
TIGER ANALYTICS**

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RESEARCH AND DEVELOPMENT

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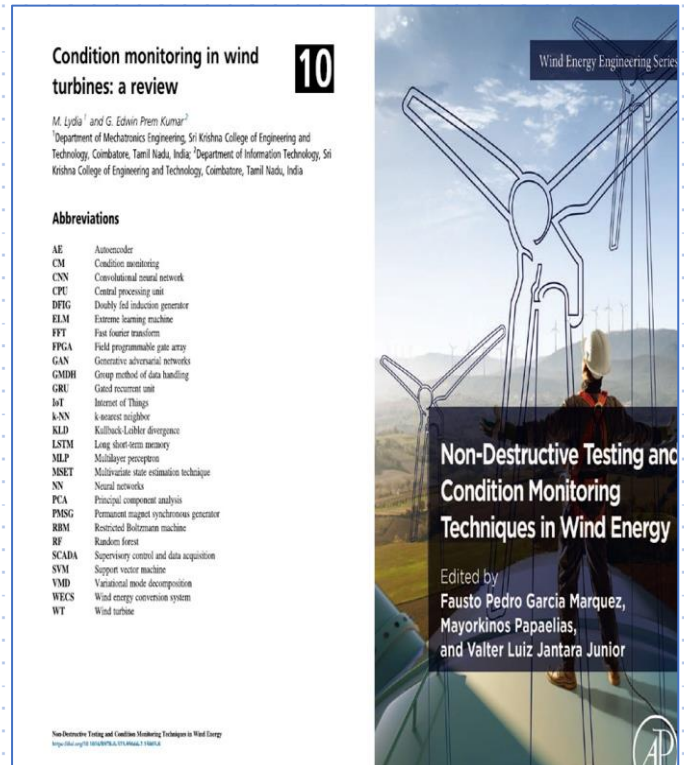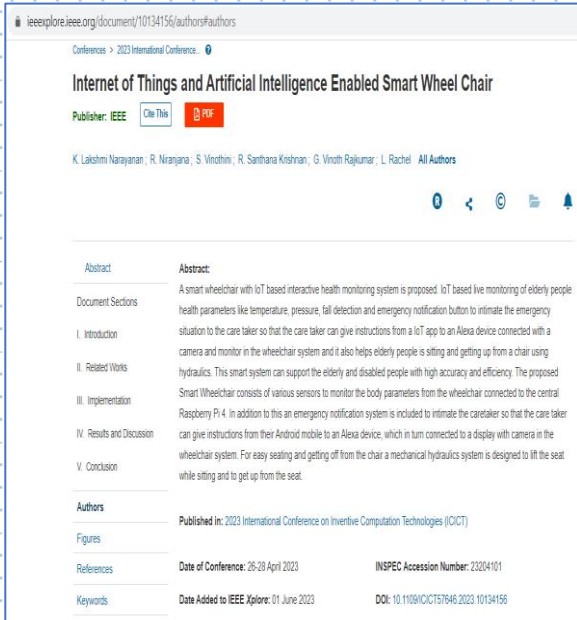# CSBS | UK DESIGN PATENT GRANT

Certificate of Registration for a UK Design

Design number: 6288964
Grant date: 19 June 2023
Registration date: 09 June 2023

This is to certify that,

In pursuance of and subject to the provision of Registered Designs Act 1949, the design of which a representation or specimen is attached, had been registered as of the date of registration shown above in the name of

Dr Balakrishnan Subramanian, Dr. Deepa Samuel Theodore, Dr. Karthikeyan Jayaraman, Dr Lingaraj Ashok Hadimani, Dr.Vinodh kumar Sukumaran, Mr. Samuel Jigme Harrison Edwin Tensingh Bella, Ms.Antonitta Eileen Pious

in respect of the application of such design to:

IoT Based Street Cleaning Vehicle
International Design Classification:
Version: 14-2023
Class: 12 MEANS OF TRANSPORT OR HOISTING
Subclass: 13 SPECIAL-PURPOSE VEHICLES

Adam Williams
Comptroller-General of Patents, Designs and Trade Marks
Intellectual Property Office
The attention of the Proprietor(s) is drawn to the important notes overleaf.

Intellectual Property Office is an operating name of the Patent Office

Dr.S.Balakrishnan , Professor & Head, **CSBS** has received the Design Patent Grant with a Certificate of Registration for a UK Design titled **"IoT Based Street Cleaning Vehicle"** with the Design number 6288964.

MCT | BOOK CHAPTER PUBLICATION

Dr.M.Lydia, HoD, **MCT** and **Dr.G.Edwin Prem Kumar**, Professor, **IT** have published a book chapter, entitled **"Condition Monitoring in Wind Turbines: A Review"** in the book 'Non-Destructive Testing and Condition Monitoring Techniques in Wind Engineering'. It is a part of the Wind Energy Engineering series published by the Academic Press, Elsevier (ISBN:978-0-323-99666-2) and is a Scopus indexed publication.
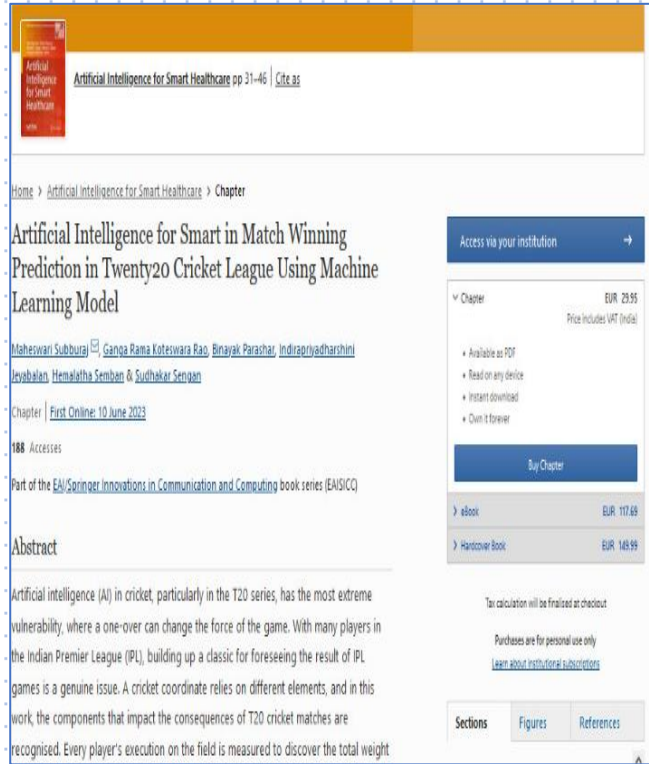
Condition monitoring in wind turbines: a review   **10**

M. Lydia[1] and G. Edwin Prem Kumar[2]
[1]Department of Mechatronics Engineering, Sri Krishna College of Engineering and Technology, Coimbatore, Tamil Nadu, India; [2]Department of Information Technology, Sri Krishna College of Engineering and Technology, Coimbatore, Tamil Nadu, India

Abbreviations

AE	Autoencoder
CM	Condition monitoring
CNN	Convolutional neural network
CPU	Central processing unit
DFIG	Doubly fed induction generator
ELM	Extreme learning machine
FFT	Fast fourier transform
FPGA	Field programmable gate array
GAN	Generative adversarial networks
GMDH	Group method of data handling
GRU	Gated recurrent unit
IoT	Internet of Things
k-NN	k-nearest neighbor
KLD	Kullback-Lobler divergence
LSTM	Long short-term memory
MLP	Multilayer perceptron
MSET	Multivariate state estimation technique
NN	Neural networks
PCA	Principal component analysis
PMSG	Permanent magnet synchronous generator
RBM	Restricted Boltzmann machine
RF	Random forest
SCADA	Supervisory control and data acquisition
SVM	Support vector machine
VMD	Variational mode decomposition
WECS	Wind energy conversion system
WT	Wind turbine

Non-Destructive Testing and Condition Monitoring Techniques in Wind Energy

Edited by
**Fausto Pedro Garcia Marquez,
Mayorkinos Papaelias,
and Valter Luiz Jantara Junior**

Wind Energy Engineering Series

R&D | PAPER PUBLICATION | ECE

Ms.R.Niranjana, Assistant Professor of **ECE** Department has presented and published her conference paper titled **"Internet of Things and Artificial Intelligence Enabled Smart Wheel Chair"** at the 2023 International Conference on Inventive Computation Technologies (ICICT). It is a Scopus Indexed IEEE Conference.

R&D | PAPER PUBLICATION | MCT

Dr.J.Indirapriyadharshini, Assistant Professor, **MCT** has successfully published a book chapter entitled **"Artificial Intelligence for Smart in Match Winning Prediction in Twenty20 Cricket Using Machine Learning Model"** in the book - **'Artificial Intelligence for Smart Healthcare'**. It is a part of the EAI / Springer Innovation in Communication and Computing book series (EAISICC).

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FACULTY

PROGRESSION

CSBS | CONFERENCE EXPERT

Dr.S.Balakrishnan, Professor and Head, **CSBS** received a **Certificate of Appreciation** as an Expert in the **3rd International conference on Data Science & Bigdata Analytics (IDBA-ACMWIR-2023)** organised by Sri Aurobindo Institute of Technology, in association with UNESCO Chairs Program, Namibia University of Science & Technology, Namibia, IEEE Computer Society of Madhya Pradesh Section and ACM Indore Chapter from 16.06.2023 to 17.06.2023.

MCT | RESEARCH SUPERVISOR RECOGNITION

Dr.K.Ananthi, Assistant Professor, Department of **Mechatronics Engineering**, has been recognized as a **Research Supervisor** under **Anna University**, Chennai.
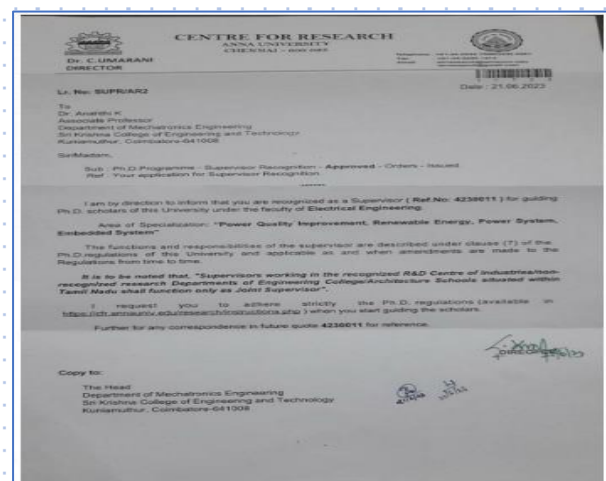
ECE | CONFERENCE REVIEWER

Mr J R Dinesh Kumar, Assistant Professor, **ECE** has received a appreciation certificate for his role as reviewer in **"AICTE Sponsored IEEE Conference on Networks, Multimedia and Information Technology (NMITCON)"**.

INFOGRAPHICS| SHUN AWAY THE TIME
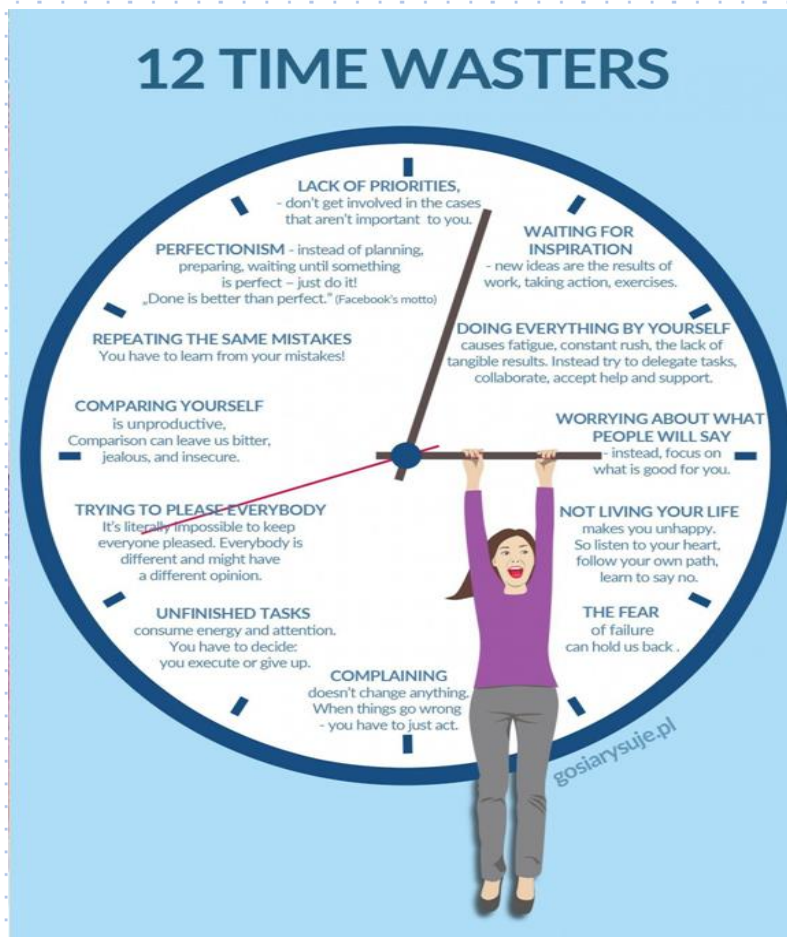
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CSBS | NPTEL MENTOR

Dr.G.IgnishaRajathi and Mr.M.Manicka Raja, faculty members of **CSBS** have received **mentor certificate for NPTEL** online certification course on **"Programming In Java"** and **Mr. Yasir Abdullah, Assistant Professor, CSBS** has received **the mentor certificate for NPTEL** online certification course on **"Ethics In Engineering Practice"** from January-April 2023 on 22.06.2023.

M.TECH CSE | NPTEL CERTIFICATION

Ms. T Dureen V Rayen, Assistant Professor, **M.Tech Computer Science and Engineering** has been certified as the **Top Performing Mentor** for her role as mentor in the **"Enhancing Soft Skills and Personality"** for her dedication and excellence in guiding and supporting the participants of the course.

M.TECH CSE |FACULTY FDP CERTIFICATION

Dr. S. Karthikeyini, Assistant Professor and **Ms. T Dureen V Rayen,** Assistant Professor Department of **M.Tech Computer Science and Engineering** have participated in the Five days FDP on **"Real time Automation Solutions using AI"** organized by Hindusthan College of Engineering and Technology from 19.06.2023 to 23.06.2023.

EEE | FDP ON REAL TIME AUTOMATION SOLUTIONS USING AI

Dr.K.Muthukumar, **Ms.R.Geethamani and N.Subhalakshmi**, faculty members of **EEE** Department have participated in the Five Days Online Faculty Development Program on "**Real Time Automation Solutions Using AI**" from 19.06.2023 to 23.06.2023 organized by Department of Electronics and Communication Engineering, Hindusthan College of Engineering and Technology, Coimbatore.

CSE | APPLICATIONS OF ML & URBAN STUDIES

Ms.V.R. Azhaguramyaa, Assistant Professor, Department of CSE has participated in the online course on **"Applications of machine Learning in urban studies"** conducted during 5.6.2023 to 9.6.2023 by Indian Space research organization and Indian Institute of remote sensing, Dehradun.

CSE | FDP ON NEXT GENERATION COMPUTING

Ms.V.R. Azhaguramyaa, Assistant Professor, Department of **CSE** has participated in the Five days FDP on "**Advancements in Next Generation Computing and Communications in the IoT age**" organized by Institute of Engineering and Management, Kolkata.

CSE | PROGRAM COMMITTEE MEMBERS
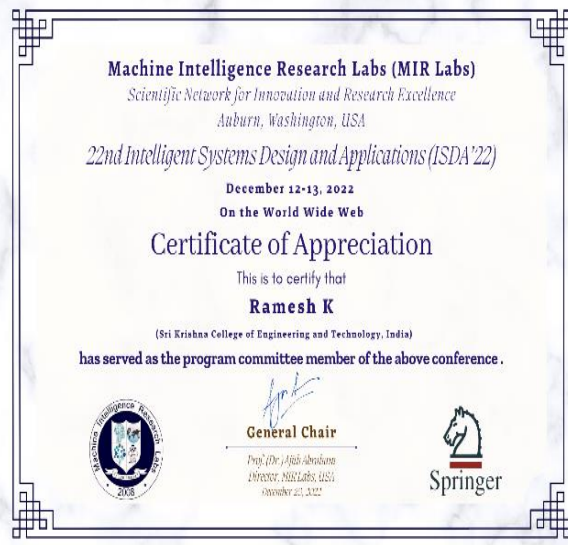
Dr. Mohan Kumar P, **Dr. VIjaya G**, **Dr. Ramesh K** and **Dr. Rasi D**, faculty members, Department of **CSE** have been appreciated for serving as a **Program Committee Members** for a Springer Conference (ISDA'22) organized by Machine Intelligence Research Labs (MIR Labs) Scientific Network for Innovation and Research Excellence, USA.

CSE | EMERGING TRENDS IN EDUCATIONAL TECHNOLOGY

Ms.A.Priya, Assistant Professor, Department of **CSE** has participated in the Online Training on "**Emerging Trends in Educational Technology**" organized by Central Institute of Educational Technology, NCERT from 12th -16th , June 2023.

CSE | NPTEL CERTIFICATION

Dr.M.Rohini, Assistant Professor, Department of **CSE** has been recognized as the Mentor for the course "**Ethics in Engineering Practice**".
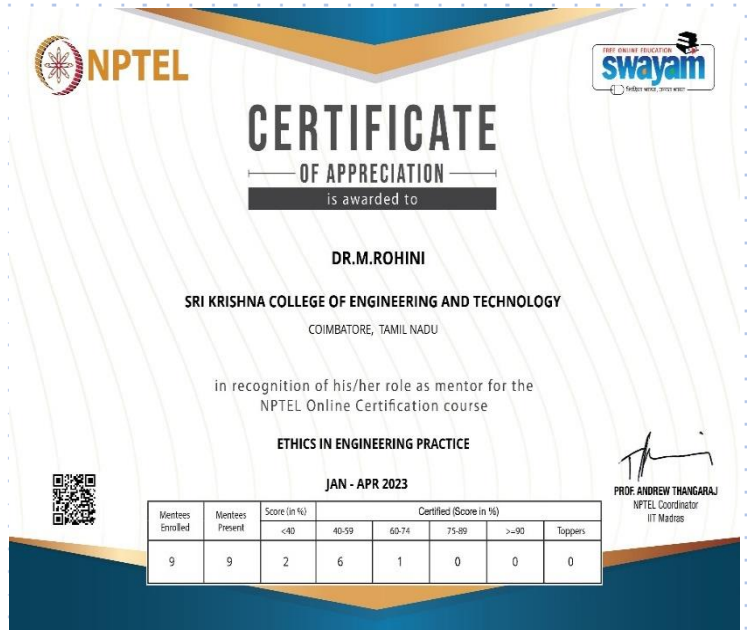
CSE | COURSERA CERTIFICATION

Dr.M.Rohini, Assistant Professor, Department of **CSE** has successfully completed an online course on **"Full Stack Software Developer Assessment"** authorized by IBM and offered through Coursera.

IT | IEEE CERTIFICATION

Mrs.V.Sindhu, Assistant Professor, **IT** has received a Certificate of Appreciation for serving as Reviewer for **IEEE International Conference on Applied Intelligence and Sustainable computing** organized by Shri Dharmasthala Manjunatheswara College of Engineering and Technology, Dharwad, 16th to 17th June 2023.

MCT | NPTEL CERTIFICATION

Dr.S. Balasubramani ,Assistant Professor, MCT has received a certificate of appreciation in recognition of his role as a mentor for the **NPTEL Online Certification Course Soft Skill Development.**

MCT | WORKSHOP CERTIFICATION

Dr. S. Balasubramani, Assistant Professor, **MCT,** has actively participated in the workshop entitled **"Friction Stir Welding – A Revolutionary Welding Technology"** organized at Sri Krishna College of Engineering and Technology, Coimbatore on 16.06.23.

MCT | FACUTY CERTIFICATION

Dr. M.Bhuvaneswari, Assistant Professor , MCT has actively participated in Indo – US VAJRA course on **"Fundamentals of Electromagnetics"(EMF – 2023)** held during 12th – 16th June 2023, jointly organized by NIT Silchar, Jawaharlal Nehru University Delhi, and California State University Northridge in Association with IEEE Kolkata Section Antennas and Propagation Society Joint Chapter – Silchar and IEEE Silchar Subsection and sponsored by Science & Engineering Research Board (SERB) under VAJRA scheme hosted at Dept. of ECE, NIT Silchar.

SOM | FDP ON TEACHING, LEARNING & RESEARCH

Dr.R.Muthukrishnan, Dr.P.Deepthi and Ms.P.Suganthi, faculty members of **SOM** have actively participated and completed **7 Days** Faculty Development Program on **Teaching, Learning and Research** conducted by **IOT Academy** from 19th June 2023 to 25th June 2023.

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AI&DS | FDP ON INNOVATIVE TOOLS & TECHNOLOGIES
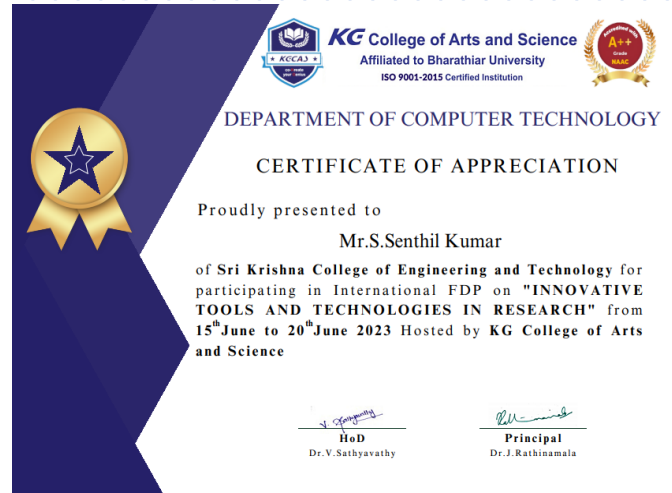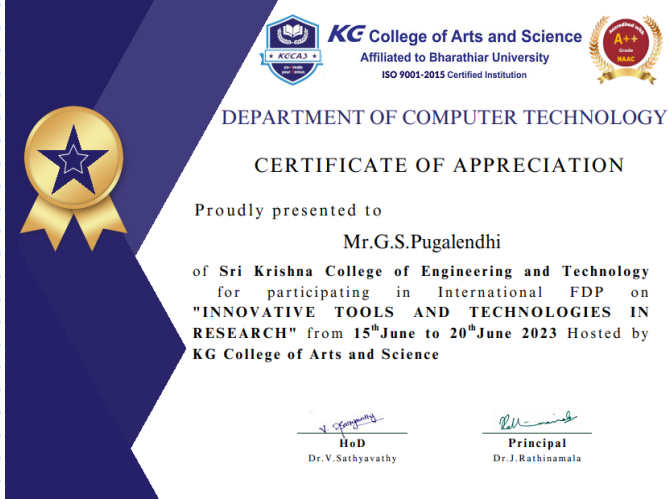
Mr.G.S.Pugalendhi and **Mr.S.Senthil Kumar**, Assistant Professor of **AI&DS** has successfully completed an International FDP on "**Innovative Tools and Technologies**" from 15th June to 20th June 2023 Hosted by KG College of Arts and Science.

AI&DS | WORKSHOP ON RESEARCH METHODOLOGY

Mr.A.Wasim Raja, Assistant Professor of **AI&DS** has successfully participated in the One Day Workshop on "**Research Methodology for Academic Excellence**" on 26th June 2023 Hosted by Hindusthan College of Engineering and Technology.

MECH| INNOVATION, DESIGN AND ENTREPRENEURSHIP BOOTCAMP

Dr K P Yuvaraj, Assistant Professor, **Mechanical Engineering** along with **Sanjith K A** and **Muthuvel S**, students of **Third** year **Mechanical Engineering** students participated in the five days boot camp on **'Innovation, Design and Entrepreneurship'** organized by Ministry of Education's Innovation cell (MIC) and All India Council for Technical Education (AICTE) at National Institute of Technical Teachers Training and Research (NITTTR) Chennai. The Bootcamp concentrated on

Day 1: Design Thinking for Entrepreneurs

Day 2: Human Centered approach to Opportunity Discovery

Day 3: Building sustainable Business Model

Day 4: Overview on Grants & Funding opportunities for students' start-up & International markets

Day 5: Pitching Idea

Certificate of appreciation was provided to all the participants for their vibrant participation throughout the event.

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ECE | EDGE COMPUTING--- THE GAME OF INSTANT DATA

Big data, is a familiar term that almost everyone in this technology world find appealing. It's because of the *three V's*---greater *velocity, variety and volume*. To simply put, 'the more the merrier'. With recent developments and never-ending requirements, there's being an increasing demand, not just for the big data but for *'instant data'*. And this is where, the topic of interest *---'Edge computing'* steps in.

Edge computing is an emerging computing paradigm thatalludes to a range of networks and devices, at or near the user.Edge is about processing data closer to where it's being generated, enabling processing at greater speeds and volumes, leading to greater action-led results in real time.

Edge computing is famed over traditional models for its unique advantages. The traditional techniques involve the computing power centralized at an on-premise data centre --- making use of the big data. Whereas computing at the edge allows companies to improve their way of managing and using physical assets and in creating new interactive, human experiences.

Quite a few prominent cases where edge computing is bringing fascination into our lives are --- self-driving cars, autonomous robots, smart equipment data and automated retail.
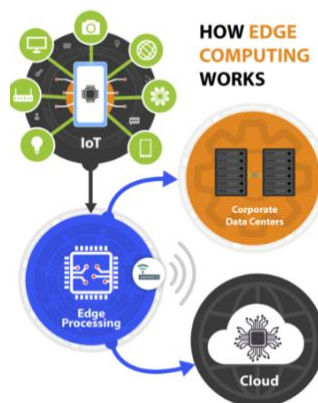
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