

SKCET Buzz



14th - 20th OCTOBER 2023



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INSTITUTIONAL EVENTS



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SKCET | HOMAGE TO OUR FOUNDER



SKCET family paying respectful homage to our founder **Shri.S.Vankatram sir.**

SKCET | POOJA CELEBRATION



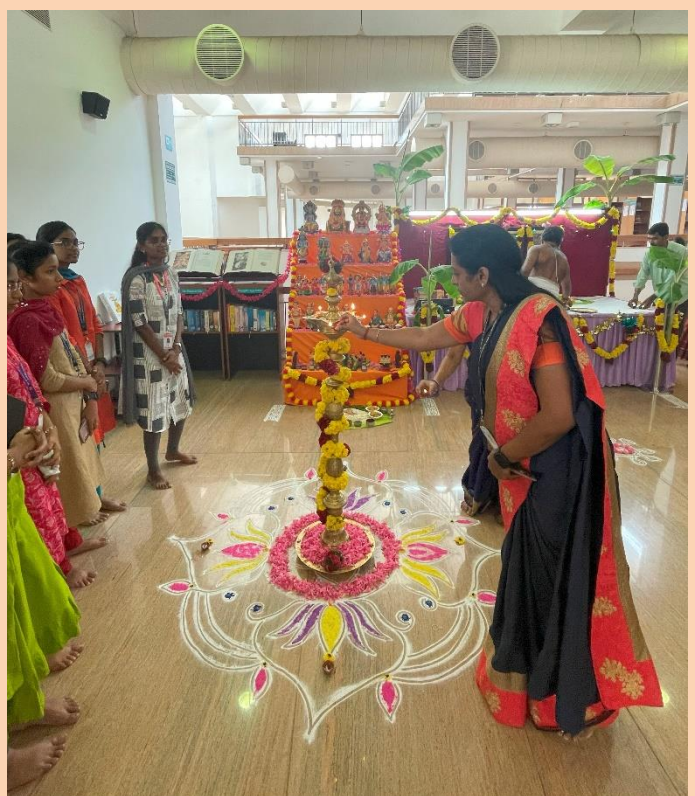
FESTIVE SPIRIT AT SKCET WITH CEREMONIOUS POOJA

CELEBRATIONS

Dedicated rituals of worship were witnessed at SKCET as the Almighty was thankfully revered for the immense blessings in this Educational Profession. The campus was filled with an aura of spiritual bliss and peace.

SKCET wishes the family with a rewarding year of prolific worklife filled with divine wisdom and fruitful endeavours!

SKCET | POOJA CELEBRATION

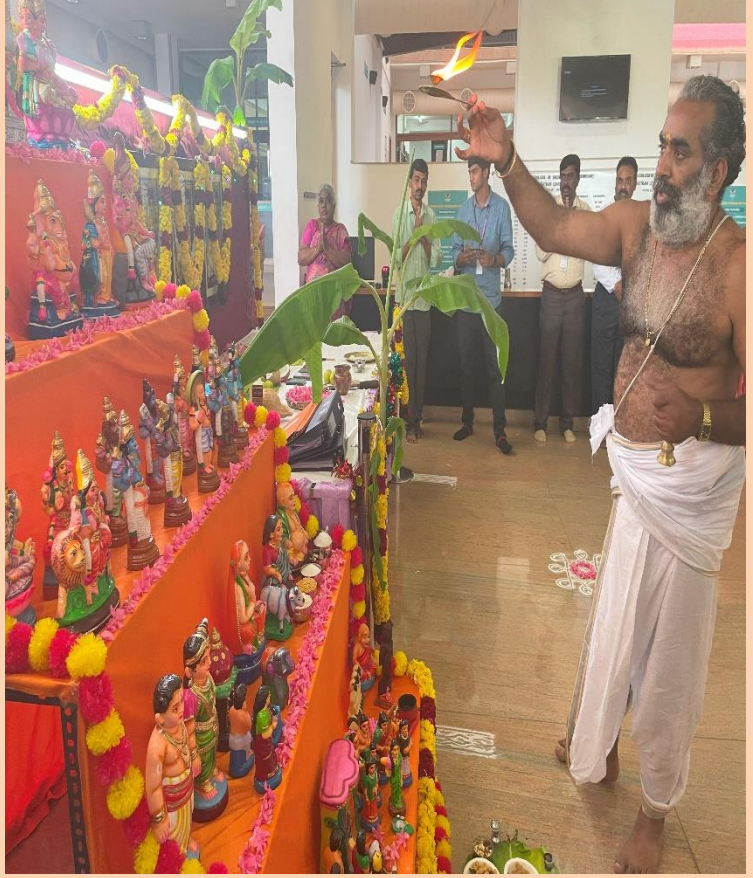


14th - 20th OCTOBER 2023 | Weekly Newsletter

SKCET | POOJA CELEBRATION



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**STUDENTS
PROGRESSION**



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EEE | STUDENT ACCOLADE



Coimbatore Corporation in association with SUEZ Group organized '**Kovai Innovate**' - An Open Innovation Challenge on Fundamental Elements Conservation for Coimbatore Smart City!

Out of 185 proposals submitted from across the State, student team 'Fact Architects' of EEE Department has been selected as one among the Top 5 Finalists for the problem statement entitled '**Integrated Water Parameters Management**' under the theme **Water Conservation and Access**.

The team delivered an impressive presentation at the Coimbatore City Municipal Corporation Office on 12.10.2023. The Panel members were: **Dr.Selvasurabhi** - Revenue Joint Commissioner, Coimbatore, **Mr.Nicolas Bockhoff** - COO Water Services, Operation & Management, Germany and **Mr. Amit Neogi** - Project Director, SUEZ, Bengaluru.

The selected team will be mentored by Suez Experts for the development of their solutions. This may lead to Government funding for the project and will be implemented in the Coimbatore Corporation limits.

Team Members: S.K. Madahana Bala, S. Madhubalan, S. Ramshi, A. Kavi Raam Pranau of IV EEE B

Faculty Mentor: Dr.P.Vinoth Kumar, EEE.



STUDENTS CERTIFICATION



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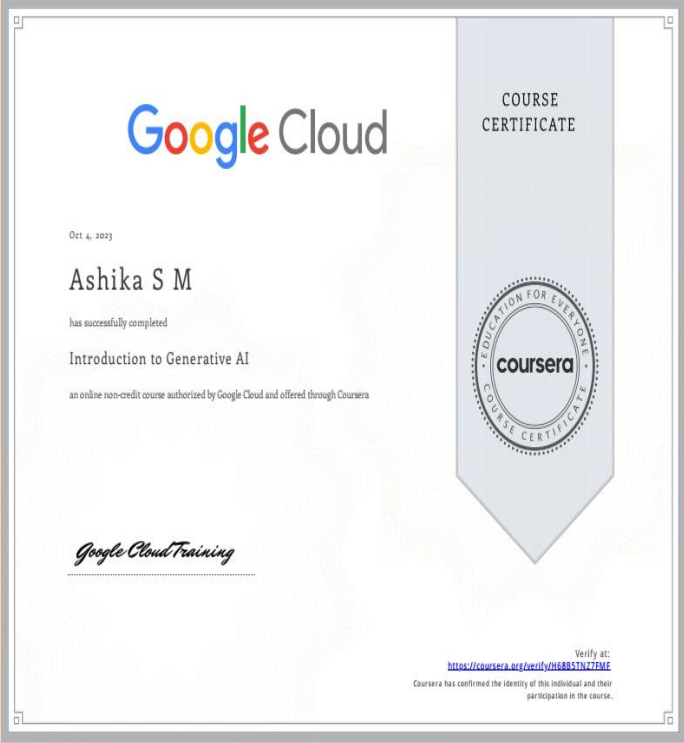


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AI&DS | COURSERA CERTIFICATION



Ashika S M, student of **Second** year of **AI&DS** has successfully completed a course on **“Introduction to Generative AI”** certified by Google Cloud - Coursera on 4th October 2023.

CSY | OPEN WEAVER CERTIFICATION

Thiruppathi.R, student of **First** year, **Computer Science and Engineering (Cyber Security)**, has successfully completed the **“Basics of HTML/CSS for Beginners”** course offered by Open Weaver on 11.10.2023.



AI&DS | INFOSYS CERTIFICATION



Preethi P, student of **First** year Student of **AI&DS** has successfully completed the course on **“Blockchain 101”** certified by Infosys Spring board on 16.10.2023.

IT | QUIZ PARTICIPATION

Jai Vignesh K, student of Final year IT has participated in the Level 1,2 :Qualifier Quiz of the Flipkart 5.0 GRiD 5.0 Software Development track organized by Flipkart.



AI&DS | GREAT LEARNING CERTIFICATION



Jeeva Jothika D, student of **First** year **AI&DS** has successfully completed the course on **“Data Science Foundations”** certified by Great Learning on October 2023.

AI&DS | SKILLUP CERTIFICATION

Bharathwaj PR, student of **First** year **AI&DS** has successfully completed the course on **“Data Science with Python”** certified by SkillUP on 17th April 2023.



AI&DS | INFOSYS CERTIFICATION

Priyadharshini S, student of First year student of **AI&DS** has successfully completed a course on “**Digital Electronics- Online Digital Electronics Courses**” certified by Infosys Spring board on 09.10.2023.



CSY | INFOSYS CERTIFICATION

Bala Mahendar.M student of First year, Cyber Security, has successfully completed the “**Black Hat Python for Pentesters and Hackers**” certification by Infosys Springboard on 03.10.2023



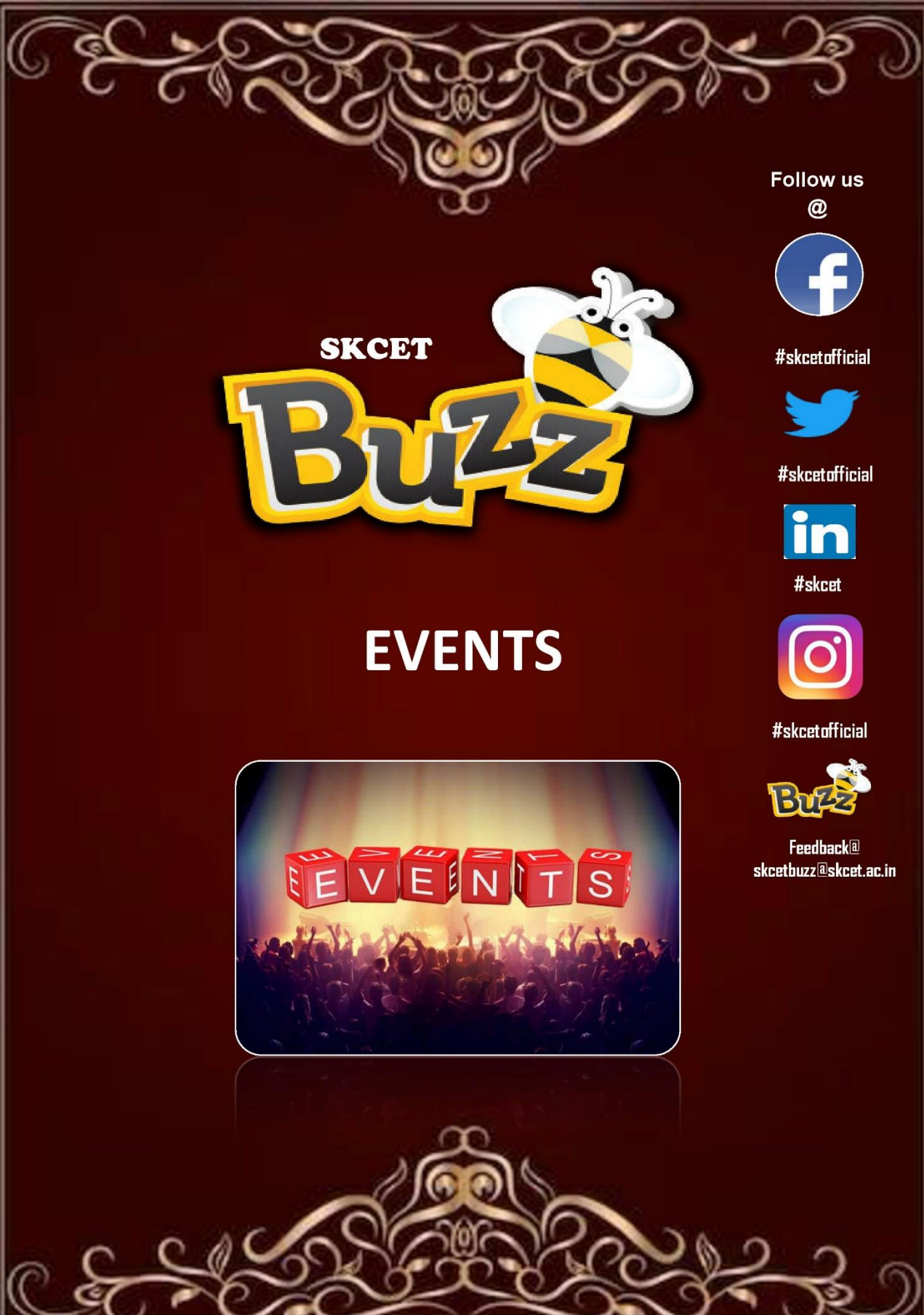
AI&DS | INFOSYS CERTIFICATION




Karthi Keyan, student of **First** year **AI&DS** has successfully completed the course on **“Internet of Things Overview”** certified by Infosys Spring board on 13.10.2023.

DID YOU KNOW?






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EVENTS




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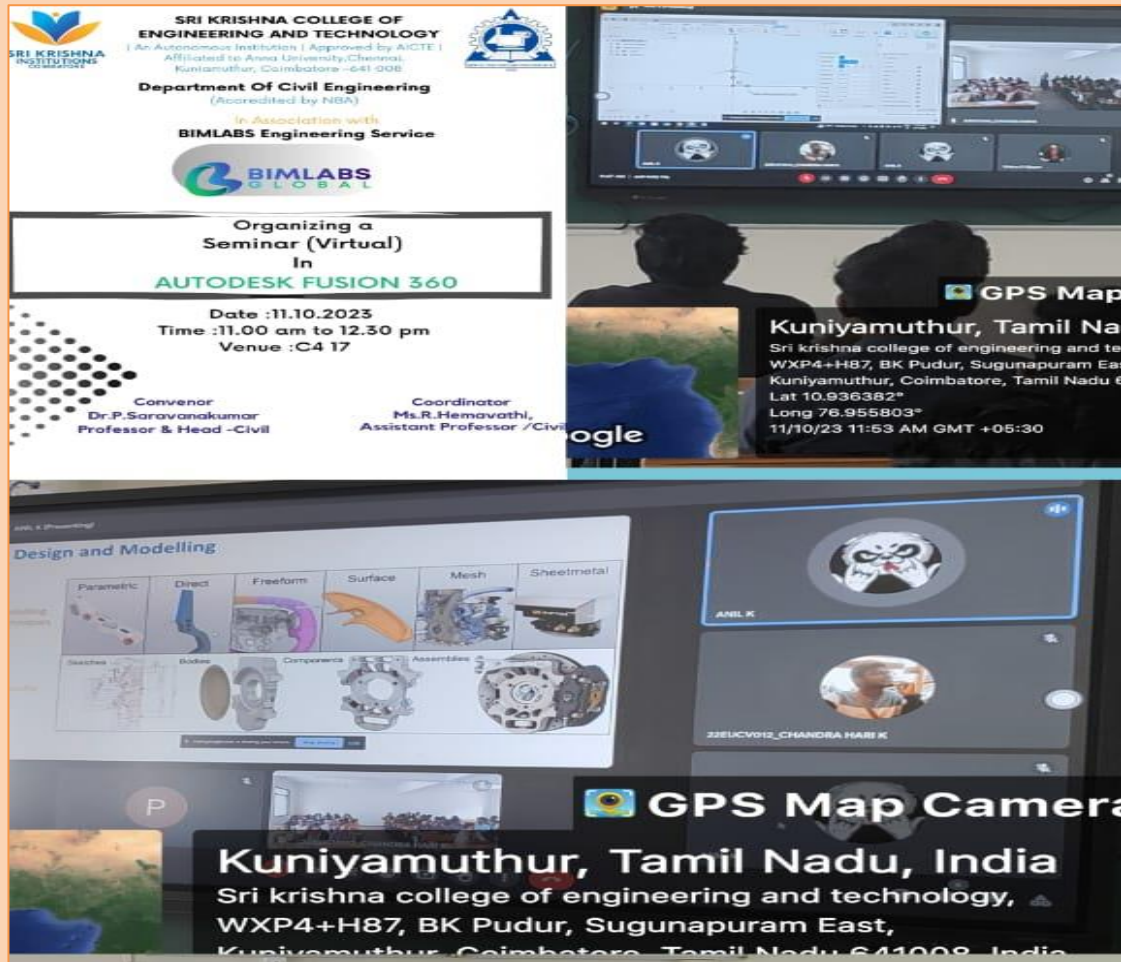


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CIVIL | VIRTUAL SEMINAR ON AUTODESK IN FUSION 360



Department of **Civil Engineering** in association with BIM Labs Engineering Services, organised a seminar (virtual) on the topic **AUTODESK in Fusion 360** on 11th October 2023 for the **Second year Civil Engineering** students. The resource person for the event was **Mr. K. Anil**, BIM modeller, BIM Labs Engineering services.

Session Highlights:

- Introduction to Fusion 360
- Installation of Fusion 360
- Collaboration and File management
- User interface
- Assembly in fusion 360

S&H | ASSOCIATION INAUGURATION CEREMONY



SKCET: S&H: INAUGURATION CEREMONY

Department of **Science and Humanities** inaugurated its association with a vision to foster academic, cultural and professional growth while uniting its members in a common purpose. The inauguration ceremony was presided by our **Principal Madam Dr.J.Janet** and **Dr.V.Ragavi, Dean of Student Affairs**.

A good beginning is not just a step; it's a leap of faith, a burst of hope, a surge of determination to reach new heights!

S&H | ASSOCIATION INAUGURATION CEREMONY



SKCET: S&H: INVESTITURE CEREMONY

Department of **Science and Humanities** badged its association President and Secretaries. The investiture ceremony was presided by our **Principal Madam Dr.J.Janet** and **Dr.V.Ragavi, Dean of Student Affairs**. The ceremony aimed to officially confer authority and responsibility to the appointed individuals while promoting a sense of duty, accountability, and commitment to their roles. Moreover, it fostered a positive and inclusive atmosphere, providing an opportunity for the organization's members to come together and celebrate the growth and development of the Department.

We keep moving forward, opening new doors and doing new things because we are curious and curiosity keeps leading us down new paths!!

S&H | ASSOCIATION INAUGURATION CEREMONY



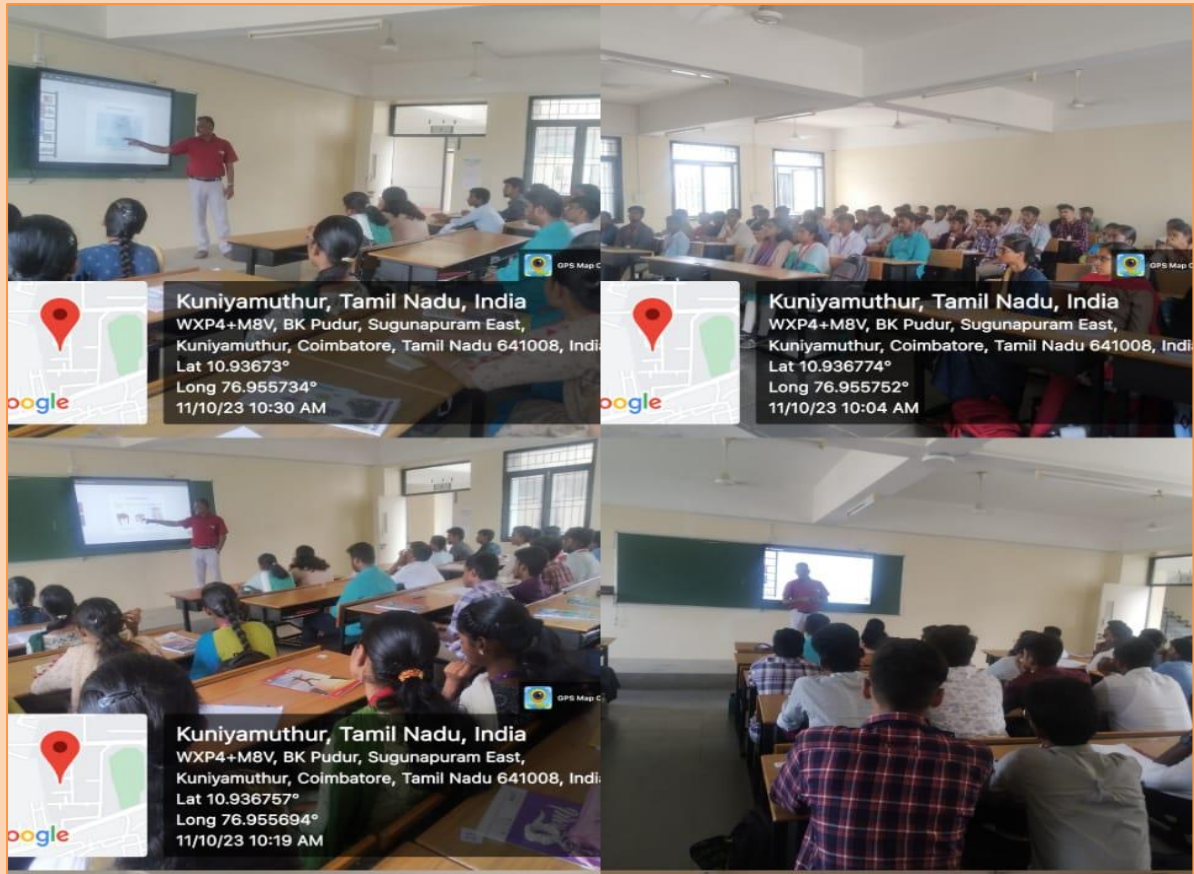
SKCET: S & H: INAUGURATION CEREMONY

The incredible morning was filled with amazing talents showcased by the First year students.

“Dreams are renewable, no matter what our age is.

There are still untapped possibilities within us and new beauty waiting to be born!

CIVIL | GUEST LECTURE ON STRUCTURAL ANALYSIS, DESIGN AND CONSTRUCTION FOR A REAL-TIME PROJECT



Department of **Civil Engineering** in association with SKCET's Indian Geotechnical Society - Student Chapter, organized a technical seminar titled "**Structural Analysis, Design and Construction for a Real-Time Project**" on 11th October 2023.

The industry expert member for this seminar was **Er.Kanna Chokalingam**, Structural Engineer, Rithanya Constructions, Coimbatore.

Session Takeaways:

- Foundation analysis, design and construction
- Beam and column locations
- Roof slab reinforcement details
- Problem with eccentric loading
- Building drawing and drafting softwares
- Dead load and live load
- Building components - analysis and design concepts

EEE | NAVARATRI CELEBRATION



The day 3 of Navaratri was organized by the Departments of EEE & MCT on 17.10.2023. It was celebrated with immense enthusiasm at Vankatram Learning Centre. The Golu display featured a serene arrangement of dolls and figurines; each meticulously narrated stories from mythology. Pooja was performed as an integral part of the Golu celebration. The celebration was filled with positive energy enriching the inner happiness of all participants!

SKCET | NSS AWARENESS RALLY PROGRAMME



NSS unit of SKCET in association with TWAD Board, Coimbatore Corporation conducted an awareness rally on '**Rain Water Harvesting**' highlighting the importance of drinking water, need for rain water harvesting and methods of rain water harvesting on 17.10.2023. 150 student volunteers covered around 3kms by walk. The rally was flagged off by **Mr. K.Chella Muthu**, Chief Executive Engineer, TN Drinking Water Supply Department, Coimbatore.

Faculty Coordinators:

1. Mr. N.Loganathan, AP/ EEE
2. Dr. S.P. Cowsigan, AP/ ECE

SOM | LOOKALIKE PRODUCT EXHIBITION



School of Management, conducted an exhibition on **“Lookalike Products”** for **Consumer Awareness, Rights and Protection** on the theme **Caveat Emptor - Let the Buyer be Aware**. The exhibition was conducted on 13/10/2023,. Almost 117 pairs of lookalikes FMCG products were displayed under 7 categories like Chocolates, Biscuits, Cool drinks, Chips, Stationeries, Toiletries and Cosmetics. Brand Awareness about the lookalike product was created among students and faculty members. Awareness on Branding, Packaging was disseminated to the audience. Legal aspects of Business and consumer rights and protection were inculcated.

SOM | WEBINAR ON ECONOMICS FOR ASPIRING MANAGERS



School of Management conducted a Webinar on **Economics for Aspiring Managers** for the First and Second year MBA students on 16.10.2023.

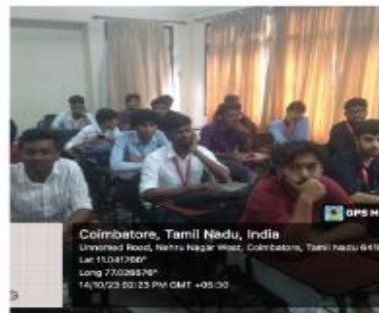
Resource person: Ms.Sneha Boddu, Economist and Research Scholar, London School of Economics and Political Science in the UK

Programme Coordinator: Mr.C.Boopathy, Assistant Professor – SOM.

Session Highlights:

- Economics and market equilibrium
- Influence of Economic knowledge in corporate decision-making
- Indian economic heritage
- Present scenario of the world's economy.
- LSE practices and traditions.

M.TECH CSE | GUEST LECTURE ON FUTURE OF FLUTTER



Department of **M.Tech CSE** organised a Guest Lecture on "**Future of Flutter**" for the Second year M. Tech. CSE students on 14.10.2023 followed by Technical club events. The winners of the events were felicitated by the Resource Person.

Resource Person: Mr. Sudarsan, CEO, Recluse Softwares, Coimbatore.

Session Takeaways:

- Introduction to Flutter.
- Configuration of Flutter package in Android studio.
- Building a live android app with flutter and Dart using android studio.
- Current trends of Flutter in Android app Development

CSD | CLUB ACTIVITY



Department of **Computer Science and Design** inaugurated its club **Pixel Creators** on 16.10.2023 and various events were conducted as a part of it. These technical events paved way for the students to enrich their technical learning skills. Students actively participated in these events and the winners were appreciated with certificates and Prizes by **Dr.P.KavithaRani**, HoD, Department of M.Tech CSE and CSD

**CONTENT CREATION:
FIRST PRIZE**

- Abhisheck P O,
- Sanjay R

SECOND PRIZE

- Shanmugi,
- Nethra

PHOTOGRAPHY

FIRST PRIZE

- Bharathi M

SECOND PRIZE

- Raj Prasanna S

POSTER-MAKING

- Thamaraiselvi
- Gokul

QUIZ

- MOHAMMED SHARAFATH S
- ABHISHECK P O

M.TECH CSE | CLUB ACTIVITY



Department of **M.Tech Computer Science and Engineering** in association with **Fortune Cybernauts** club organized various technical events for the Second year M.Tech CSE students for them to showcase their innovative ideas and compete with their peers. The following Events are conducted as a part of Club Activity in order to promote technical Skills and creativity :

- **Code-rush** : The art of turning ideas into reality.
- **Ideas ignite** : Design the change you want to see in the world.
- **Quizee bee** : Tickling the brain to think .
- **Shutter bug** : A documentary art.

The Winners of the technical events conducted as a part of technical activity were felicitated with certificates and prizes by external jury member.

Quizee bee - Winners:

- Navis Luffina B
- Manjusree K

Quizee bee - Runners:

- Mohamed Fazil B
- Vignesh R

Ideathon - Winners:

- Dinesh Kumar
- Goutham

Ideathon - Runners:

- Dhanush AB
- Vikkaash L

Code rush - Winner

- Vikkash L
- Dinesh Kumar S

Shutter bug - Winner

- Vignesh R
- Thanush V N

ECE | DRDO NATIONAL LEVEL SEMINAR



Department of **Electronics and Communication Engineering** organized DRDO sponsored two days National Level Seminar on “**Paradigm shift of 5G and Terahertz Antenna Design for Semantic Evolution in Embedded Systems**” on 18.10.2023 and 19.10.2023. The session was inaugurated by our Principal Madam, **Dr. J. Janet**, with an impactful Presidential Address imparting the importance of academic gatherings in fostering innovation and knowledge exchange in the field of Electronics and Communication Engineering. The chief guest of the day **Dr. Subhash Chander**, Scientist, Solid State Physics Laboratory, DRDO, New Delhi delivered the chief guest address.

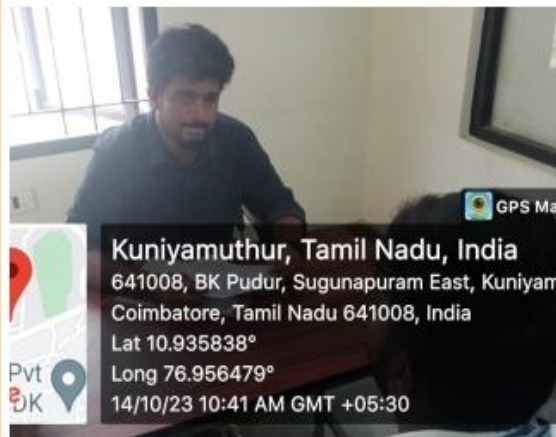
MECH | INDUSTRY VISIT



Second year students of Mechanical Engineering visited SAN Precision Alloys Pvt Ltd, Coimbatore on 12.10.2023. Students were accompanied by Dr.K. Balasubramanian, Professor – Mechanical Engineering
Takeaways:

- Investment casting process
- Post processing methods
- CNC Turning
- VMC
- Digital Measurements

MECH | MOCK INTERVIEW



Department of **Mechanical Engineering** conducted a Mock Interview for the students on 14-10-2023. Two panels were formed and 40 students were trained by the experts.

Panel 1

Mr.Ranjan Vishal
Product Marketing Analyst
SaasantInc, Coimbatore.

Panel 2

Mr.Srihari
Social Media Analyst
SaasantInc, Coimbatore

Students were analyzed on

- Resume Preparation
- Self-Introduction
- Skill sets and knowledge of coding languages
- Projects and their outcomes



TUTOR WARD MEETING



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EEE | CLASS COMMITTEE MEETING



Department of **EEE** conducted Class Committee Meeting for the **First** year **EEE** students on 11.10.2023. The pointers of discussion were: Syllabus Coverage on Theory and Lab Courses. The meeting was chaired by **Dr.V.Nandalal**, Professor, Department of Electronics and Communication Engineering.

EEE | CLASS COMMITTEE MEETING



Department of **EEE** conducted Class Committee Meeting for the **Third** year **EEE** students on 09.10.2023. The Pointers of discussion were: Academic activities, Class Attendance, Placement Preparedness and enhancing skill set in emerging technologies. The meeting was chaired by **Dr.M.Rajkumar**, Associate Professor, Department of Information Technology.

CSY | CLASS COMMITTEE MEETING



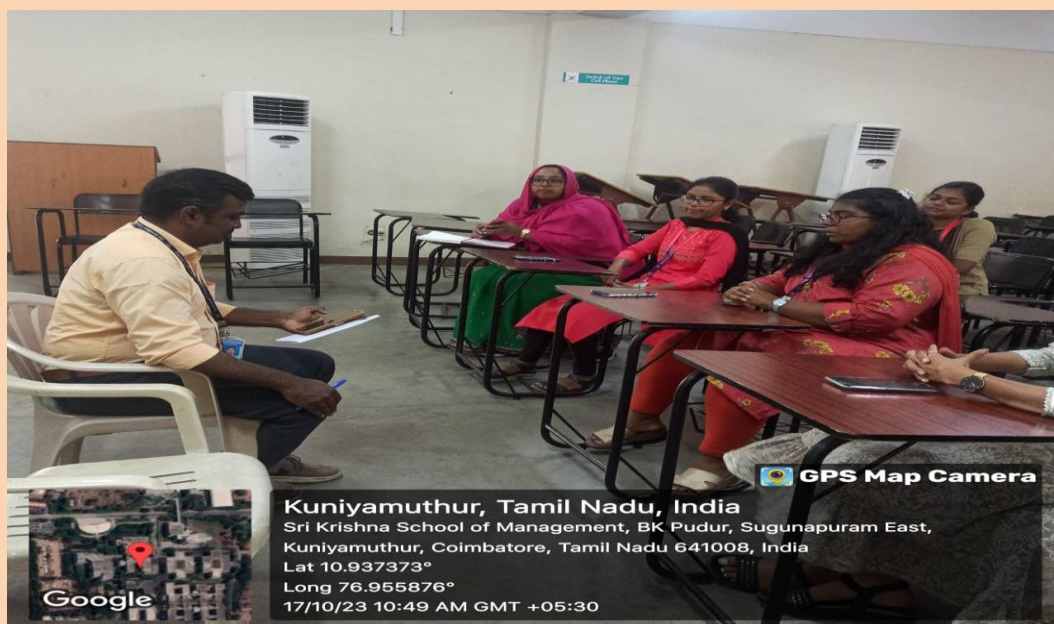
Department of Cyber Security conducted **Class Committee Meeting** for the **First** year students on 12.10.2023 at 2.30 pm. **Dr. P. Vinoth Kumar**, Associate Professor, Electrical and Electronics Engineering chaired the meeting. The meeting revolved around the key points like: Preparation for Continuous Internal Assessment, Portion Completion status, Subject Study Materials, Outcome of Industry Courses, Participation of Extracurricular Events and Hackathon Participation.

CSY | CLASS COMMITTEE MEETING



Department of Cyber Security conducted **Class Committee Meeting** for the **Second** year students on 14.10.2023. **Dr R Senthil Ganesh**, Associate Professor, **Electronics and Communication Engineering** chaired the meeting. The meeting revolved around the key points like: Syllabus Coverage status, Theory & Lab Subject Feedback, Placement -Problem of the Day, Subject Study Materials, Outcome of Industry Courses, Participation in Extracurricular Events.

CSBS | CLASS COMMITTEE MEETING



Department of **Computer Science and Business Systems** conducted the First Class Committee Meeting for the First year students on 17.10.2023. **Dr. R. Soundararajan**, Professor, Mechanical Engineering Department chaired the meeting. The meeting revolved around the key points like: Preparation for Continuous Internal Assessment, Portion Completion, Subject Study Materials, Outcome of tutorial sessions, Participation of Extracurricular Events, Hackathon Participation and snaptalk.

MECH | TUTOR WARD MEETING



Mr. J. Baskaran, Assistant Professor, Mechanical Engineering conducted Tutor Ward Meeting and the following points were discussed during the meeting:

- Academic performances
- CIA exams preparation
- Participation in hackathons and other events

R&D | PATENT PUBLICATION | EEE

Office of the Controller General of Patents, Designs & Trade Marks
Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India
(<http://ipindia.nic.in/index.htm>)

INTELLECTUAL PROPERTY INDIA
PATENTS, DESIGNS & TRADE MARKS
(<http://ipindia.nic.in/index.htm>)

Application Details	
APPLICATION NUMBER	202341048127
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	17/07/2023
APPLICANT NAME	1. Dr. Shyamasundar Tripathy 2. Dr.J.Karthika 3. Ms. Jyoti Singh 4. Mr. SYED RIZWAN NAQVI 5. Mr. Rahul Nemichand Nawkhare 6. Vangeeti Suryaprakash Reddy 7. Dr.Rakhi Mohan 8. Mr. GOPINATH,R 9. Mrs. Dandibhotla. SRAVANI 10. Mr. G.Satyanarayana 11. Dr. Harikumar Pallathadka
TITLE OF INVENTION	AI Model to Improve HR Decision-Making Using Machine Learning Predictions Algorithm
FIELD OF INVENTION	COMPUTER SCIENCE

Patent titled “**AI Model to Improve HR Decision-Making Using Machine Learning Predictions Algorithm**” has been published by **Dr.J.Karthika**, Associate Professor, **EEE** Department has been published in the IPR Journal identified with Appl.No: 202341048127 on 01.09.2023.

R&D | PATENT PUBLICATION | AI&DS

Patent titled “**Blockchain Based Digital Approach for the Health Care Industry Service Dominant Architectural Style**” has been published by **Ms.B.Kiruba**, Assistant Professor, **AI&DS** has been published in the IPR Journal identified with Appl.No: 202311062994 A on 13.10.2023

(12) PATENT APPLICATION PUBLICATION (21) Application No.202311062994 A
(19) INDIA
(22) Date of filing of Application :19/09/2023 (43) Publication Date : 13/10/2023

(54) Title of the invention : BLOCKCHAIN-BASED DIGITAL APPROACH FOR THE HEALTHCARE INDUSTRY'S SERVICE-DOMINANT ARCHITECTURAL STYLE

(71) Name of Applicant :
1)Aazath M
Address of Applicant :Assistant Professor, GLA University,
Mathura, Uttar Pradesh -----
2)Ms.B.Kiruba
3)R.Kohila
4)Abirami, S
5)Dr. Sobini X. Pushpa
6)G.Ramesh Kalyan
Name of Applicant : NA
Address of Applicant : NA
(72) Name of Inventor :
1)Aazath M
Address of Applicant :Assistant Professor, GLA University,
Mathura, Uttar Pradesh -----
2)Ms.B.Kiruba
Address of Applicant :Assistant Professor, Department of
Artificial Intelligence and Data Science, Sri Krishna College of
Engineering and Technology, Coimbatore -----
3)R.Kohila
Address of Applicant :Assistant Professor, Mathayammal
Engineering College, Rasipuram -----
4)Abirami, S
Address of Applicant :Assistant Professor, Jai Shriram
engineering college, Avinashipalayam, Tirupur -----
5)Dr. Sobini X. Pushpa
Address of Applicant :Assistant Professor & Assistant HOD,
Department of Computer Science and Engineering, St. Xavier's
Catholic College of Engineering, Chukkankadai, Nagercoil -----
6)G.Ramesh Kalyan
Address of Applicant :Assistant Professor, SNS College of
Technology, Saravanampatti, Coimbatore -----

(51) International classification :H04L0009060000, H04L0009320000,
H04L0009080000, A61K0045060000,
G06N0020000000

(86) International Application No :NA
Filing Date :NA
(87) International Publication No :NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(57) Abstract :
Blockchain technology is one of the most significant discoveries and inventive advances that is currently playing a significant function in the professional world. Blockchain technology is a constant force for upheaval and development. It is a network of blocks that protects information and upholds interpersonal trust no matter how far apart people are. The growth of blockchain technology over the past several years has compelled academics and industry experts to consider novel methods to integrate blockchain technology into a variety of fields. The exponential growth of blockchain technology has opened up a wide range of new application possibilities, including those in the field of healthcare.

No. of Pages : 11 No. of Claims : 1

The Patent Office Journal No. 41/2023 Dated 13/10/2023 69961

R&D | ARTICLE PUBLICATION | MECH



Dr. K. P. Yuvaraj, Associate Professor, **Mechanical Engineering** has published a scientific article entitled **‘Exploring the effects of self-lubricating MoS₂ in magnesium metal matrix composite: Investigation on wear, corrosion and mechanical properties’** in *Colloids and Surfaces A: Physicochemical and Engineering Aspects* – An Elsevier Publication. It is a SCI, WoS and Scopus Indexed Journal with an Impact Factor 5.2. The journal is also listed in Anna University Annexure 1.



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CSBS | IEEE .TV SPEAKER RECOGNITION



Dr.S. Balakrishnan, HoD, CSBS & CSY has been recognized as an IEEE.tv speaker by the members of IEEE. IEEE.tv is an award winning, internet-based television network which produces and deliver special interest programming about technology and engineering for the benefit of IEEE members and general public.

EEE | FDP – RESOURCE PERSON

Mr.VV.Vineeth, Assistant Professor, **EEE** Department has been a Resource Person for the Faculty Development Program for the course on **“Principles of Electrical Engineering”** designed by Tata Consultancy Services on 06.10.2023.





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**FACULTY
CERTIFICATIONS**



MCT | CONFERENCE PRESENTATION



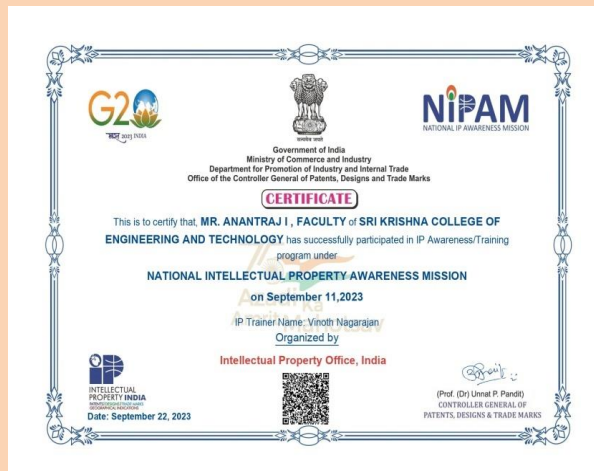
Dr.S.Balasubramani, Assistant Professor of **MCT** has presented a research paper entitled “**Study on the Mechanical Behaviour of Aramid Epoxy Composites with Coal Ash Filler**” in the 2023 Third Global Conference on Recent Advances in Sustainable Materials (GC-RASM 2023) held at PGP College of Engineering & Technology, Tamil Nadu, during 27 and 28th, July 2023.

MCT | FDP ON SMART GRID INTERGRATION OF DISTRIBUTED GENERATION

Ms.S.Kannaki, Assistant Professor of **MCT**, has actively participated in one week Faculty Development Programme on “**Smart Grid and Integration of Distributed Generation**” organized by NITTTR - Chandigarh from 28thAugust 2023 to 1st September 2023.



CSBS | NIPAM – IP AWARENESS TRAINING



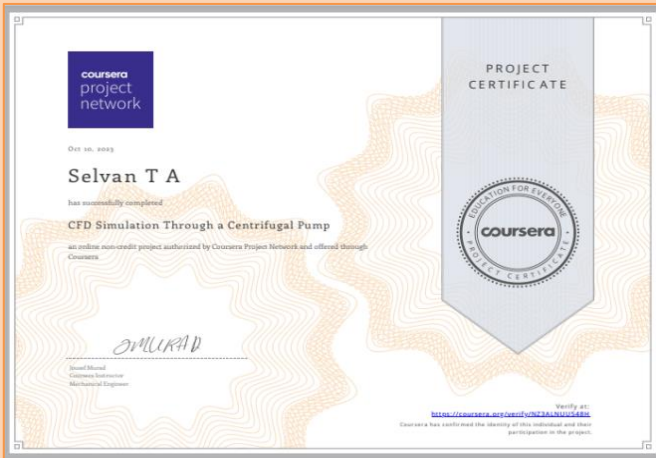
Mr.I.Anantraj, Mrs.Mary Ani Reka, faculty members of CSBS have successfully participated in IP Awareness/Training program under National Intellectual Property Awareness Mission organized by Intellectual Property office, India on September 11, 2023.

AI&DS | NPTEL CERTIFICATION

Mr.S.Senthil Kumar, Assistant Professor, AI&DS has successfully completed the four weeks course on “Patent Drafting for Beginners” certified by NPTEL.



MCT | COURSERA CERTIFICATION



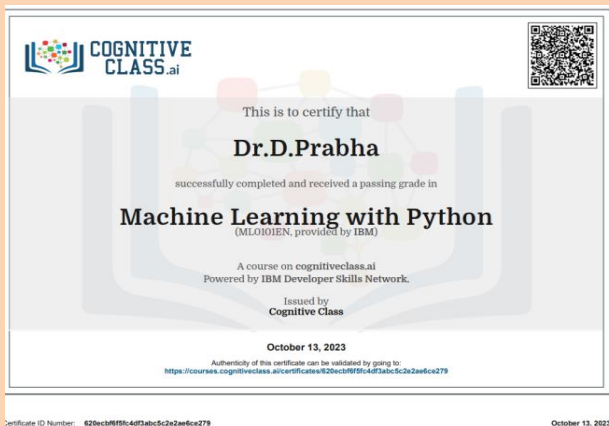
Dr.T.A.Selvan and **Dr.S.Balasubramani**, faculty members of **MCT**, have successfully completed a course on **“CFD Simulation through a Centrifugal Pump”**. It’s an online project authorized by Coursera Project Network and offered through Coursera.

M.Tech.CSE | INFOSYS CERTIFICATION

Mr.S.Sreeraj, Assistant Professor, Department of **M.Tech.CSE** has successfully completed a certification course titled **“Fundamentals of Information Security”** through **Infosys Springboard** platform on **13.10.2023**.



M.Tech.CSE | ML WITH PYTHON & BIG DATA



Dr.D.Prabha, Professor, Department of M.Tech Computer Science and Engineering has successfully completed a certification course titled **“Machine Learning with Python and Big Data 101 ”** through **Cognitive AI** platform on 13.10.2023.

CSBS | FDP ON EMERGING TRENDS IN DA & ML



Mr.I.Anantraj, faculty member of **CSBS** has successfully participated in the Faculty Development Program on **Emerging trends in Data Analytics and Machine Learning** organized by Karunya University in association with Institution's Innovation Council from 18.09.2023 to 22.09.2023.

ECE | COURSERA CERTIFICATION



Following faculty members from the department of **ECE** has successfully completed a course entitled **“Transfer Learning for NLP with TensorFlow Hub”** offered through Coursera .

- Dr.S.Sasipriya, Dr.Asha Banu, Ms.D.V.Soundari, Mr.J.R.Dinesh Kumar and Dr.B.Maruthi Sankar



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EEE | CONFERENCE PRESENTATION



Dr.J.Karthika, Associate Professor, **EEE** Department has presented research paper entitled **“DC Voltages Regulation for Renewable Sources using Machine Learning”** in the 7th International Conference on IoT in Social, Mobile, Analytics and Cloud (I-SMAC – 2023) from 11.10.2023 to 13.10.2023 organized by Tribhuvan University, Nepal.

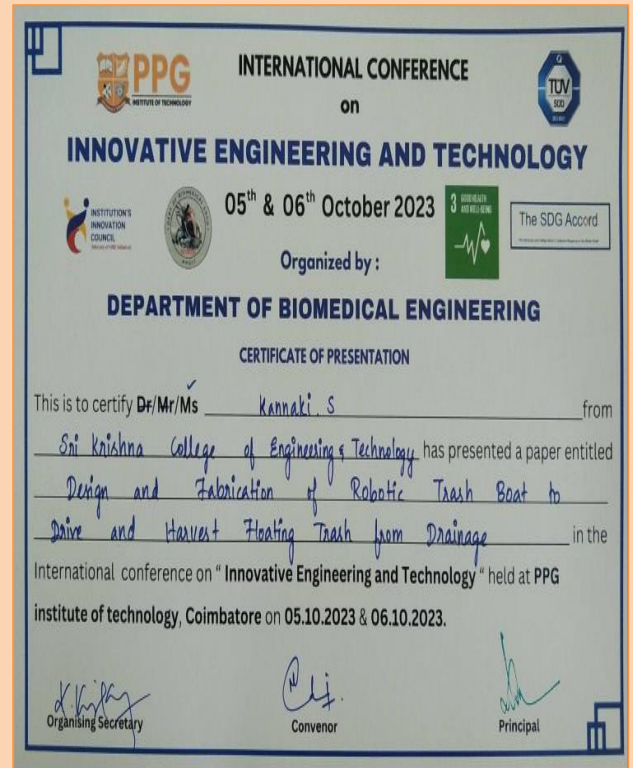
CSE | CONFERENCE PRESENTATION

Dr.Ramesh K, Professor, Department of **Computer Science and Engineering** has co-authored a paper entitled **“Early Detection Of Alzheimer's Disease: An Extensive Review of Advancements in Machine Learning Mechanisms Using Ensemble And Deep Learning Technique”**, in the two day International conference **“Recent Advances in Science and Engineering RAiSE-2023** held from 4th to 5th October 2023 at MAHE, Dubai.

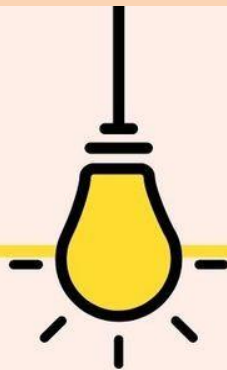


MCT | CONFERENCE PRESENTATION

Ms.S.Kannaki, Assistant Professor of **MCT** has presented a research paper entitled **“Design and Fabrication of Robotic Trash Boat to Drive and Harvest Floating Trash from Drainage”** in the International Conference on **“Innovative Engineering and Technology”** held at PPG Institute of Technology, Coimbatore on 5.10.23 and 6.10.23.



FUN FACTS



INTERESTING FACTS

If you were to spell number from one; you would not find the letter "A" until you reach "One Thousand"



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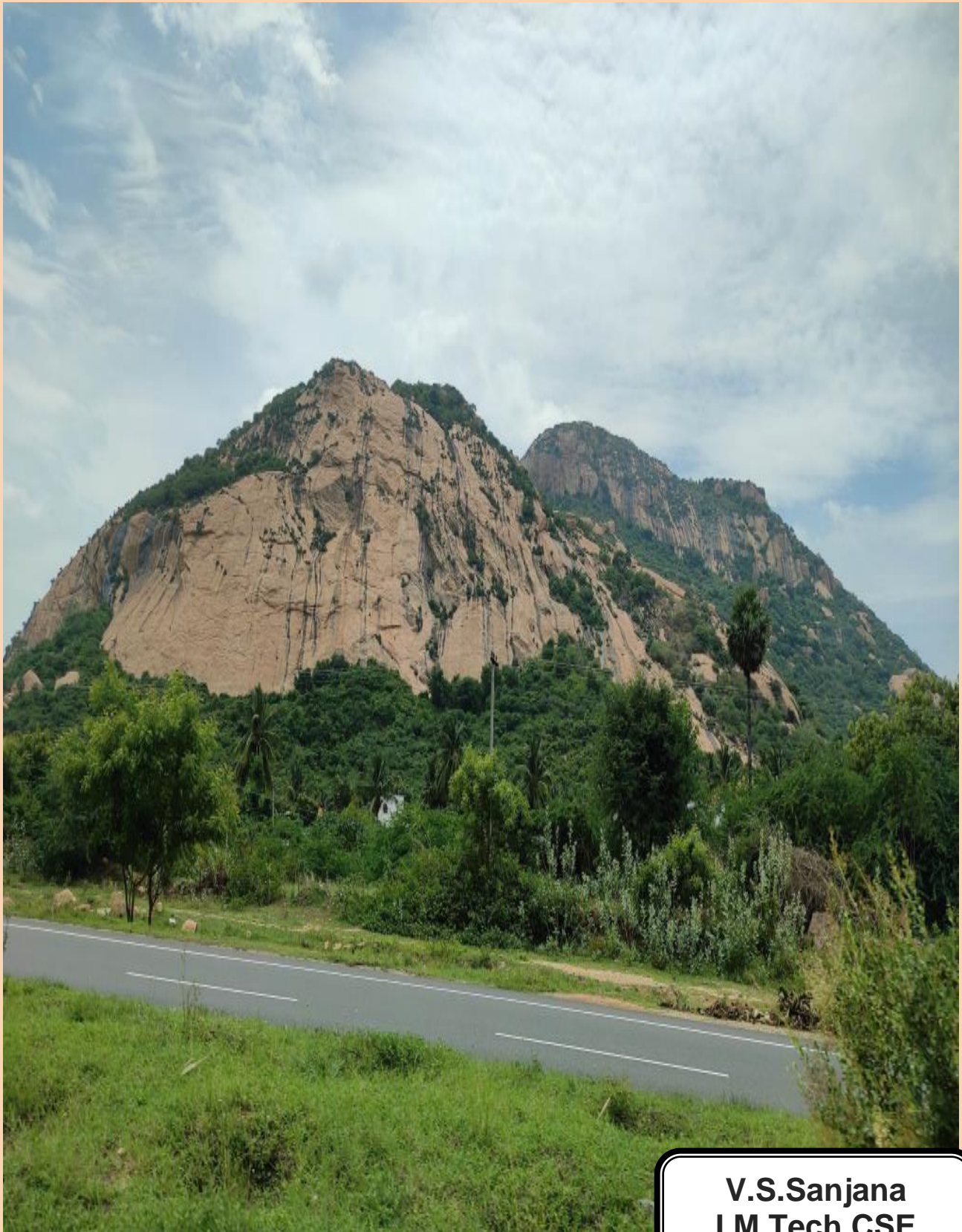
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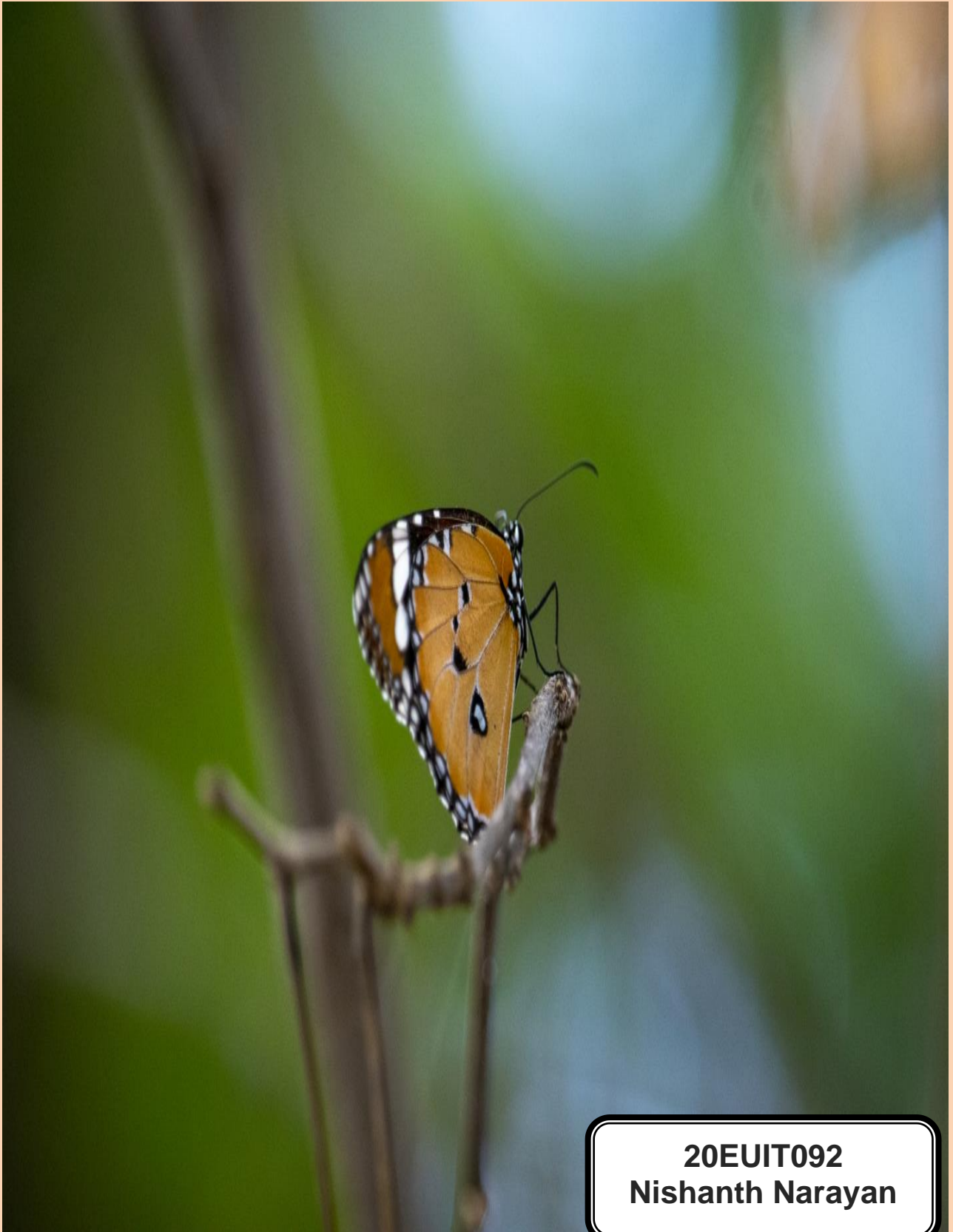
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