

SKCET

Buzz



06th MAY - 12th MAY 2023



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HACKATHON ACCOLADES



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CSBS | NMIT HACK 2023 TRACK WINNERS



Two teams of young student innovators from the Department of **CSBS** have proved their prowess in pushing their limits to create something new and showcase their unique skill sets. **Both the teams have won a cash prize of Rs.5000/- each at the NMIT Hacks 2023 - a 48 hour hackathon** conducted by NITTE Meenakshi Institute of Technology, Bangalore from 5th to 7th May 2023.

BEST PROJECT IN AI&ML AWARD:

Project Title 1: An AI - AR integrated mental support companion

Team Members:

- Gowtham .T - II CSBS
- Shrreya SR - II CSBS
- Baraniga selvanathan - II CSBS.
- Hari Balaji.V- II CSBS

BEST PROJECT IN OPEN INNOVATION:

Project Title 2: BusRadar - an app offering seamless and hassle - free experience in buses

Team Members:

- Dhanush M - I CSBS
- Jothi Babu - I CSBS
- Hari Krishnan - I CSBS
- Subhash R - I CSBS

Mentor:

Dr.Balakrishnan S HoD ,CSBS.





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**STUDENT
PROGRESSION**



CSBS | PW SKILLS HACKATHON



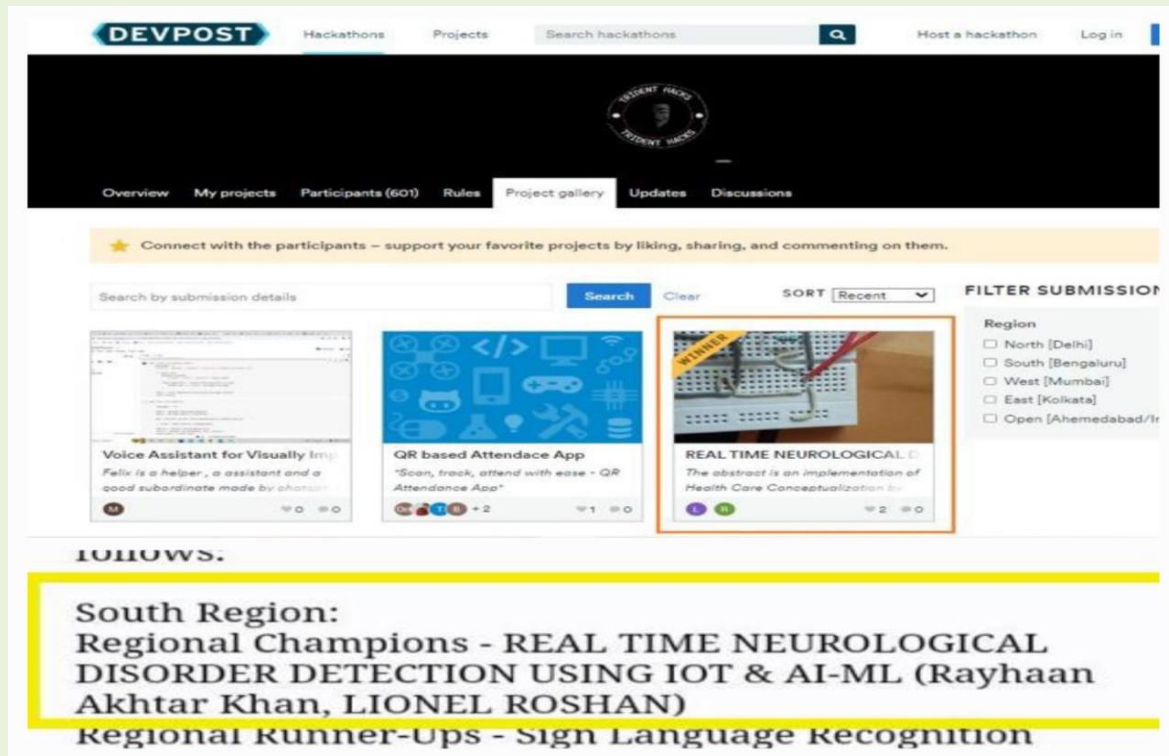
Team **Techwizards** of **First year CSBS** has emerged one among the **Top 6 Position** in the **PW Skills Hackathon** in the Overall Category for presenting their brilliant idea for the Problem Statement "**Multilanguage audio summarizer for Research Papers**". The team created a user friendly interface with advance security features and search engine optimization called RPSAT(Research Paper Summarizer and Audio Translator). This Hackathon was conducted by iNeuron.ai, Bangalore on 29th and 30th of April 2023.

Team Members

- Abinanthan
- Sasindharan
- Dhanush S
- Gopalakrishnan

Mentor: Dr.S.Balakrishnan, HOD-CSBS.

CSBS | CHAMPIONS OF SOUTHERN REGION HACKATHON



Student team of **Second year CSBS** has emerged as the **Champions of Southern Region** for presenting their intellectual idea with prototype for the Problem Solution "**Real Time Neurological Disorder Detection Using IoT & AI-ML**". It is an implementation of Health Care conceptualization by integrating Real Time Digital Enabled Heart Rate, Sugar and Blood Oxygen level Monitor Introduced with WIFI using IOT with AI-ML. This Hackathon was conducted on 29th of April 2023 by **Devpost Online Platform for Hackathons**. Students have won the Regional Championship Trophy and certificate with a cash prize of **Rs.10,000/-** and they are marching forward to Finals competing with all the 4 regional champions of the Nation.

Team Members

- Lionel Roshan
- Rayhaan Aktaar Khan

Mentors

- Dr.S.Balakrishnan,HOD-CSBS,
- Dr.G.Ignisha Rajathi, Asso. Prof, CSBS

S&H | ROLLER INLINE HOCKEY



First year student, Poornisha of B.Tech CSBS has gained a spot in the Indian Hockey Squad. She will represent India in Asian and World Roller Inline Hockey for the 19th Asian Roller-Skating Championship 2023 to be held at China.



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**STUDENT
CERTIFICATIONS**



UDACITY



M.TECH. CSE | PAPER PRESENTATION



Team **Incognito** from **Second year M.Tech CSE** has emerged as the winner in the paper presentation held during **BLAZE' 23**, a National level Tech Symposium on 20th April 2023, organized by Electronics and Instrumentation Engineering Association (EIEA), Government College of Technology, Coimbatore. The paper presented by the team was based on the topic "**Automated Wheelchair for Visually Impaired**". The team was rewarded with a cash prize for the creative and practical approach towards the topic presentation.

Team Members:

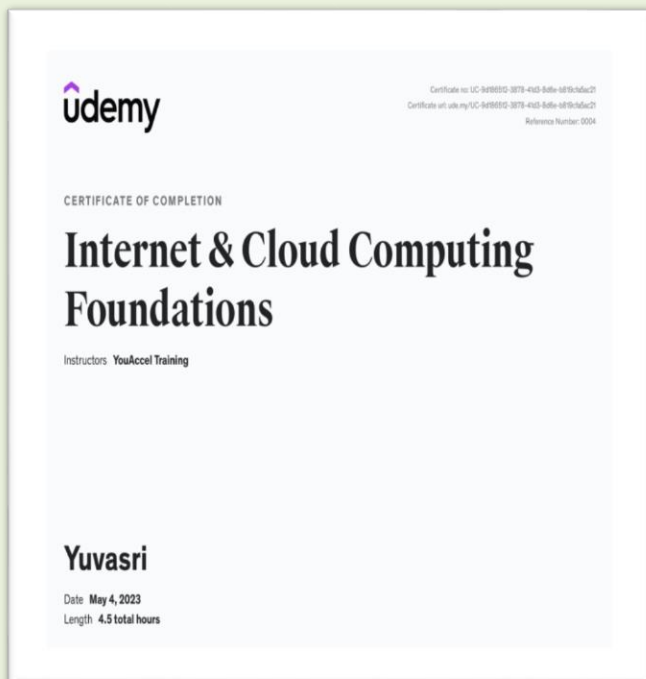
- Mohammad Rizad Ibrahim M- II M.Tech CSE
- Praveen N - II M.Tech CSE
- Ragavi M - II M.Tech CSE

AI&DS | INFOSYS SPRINGBOARD CERTIFICATION

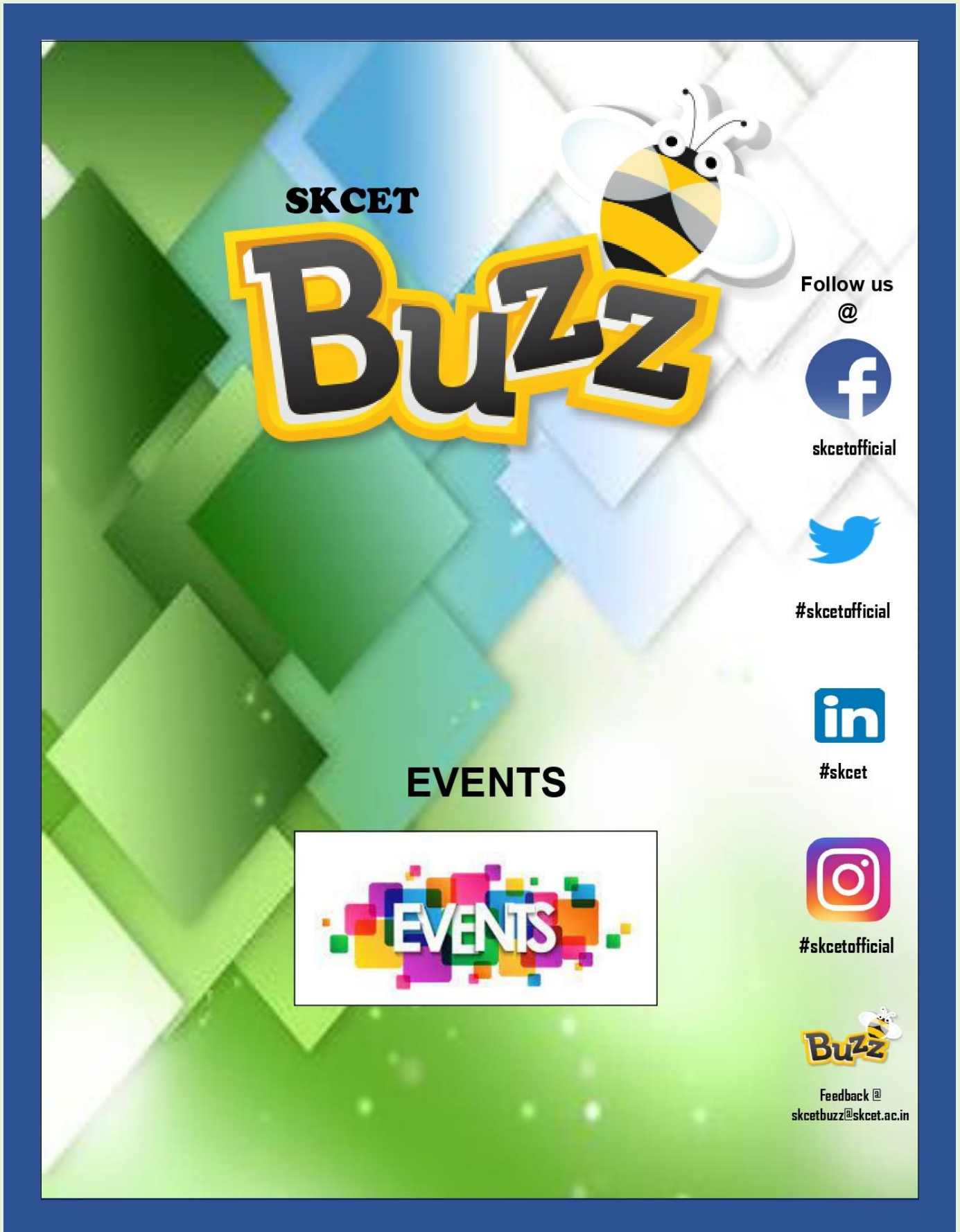


Ananyaa V R and **Vishal M**, Second year students of **AI&DS** has successfully completed a course on **“SQL Developer”** on 02.05.2023 offered by Infosys springboard.

IT | CERTIFICATIONS




Yuvasri, student of **Third year IT** has successfully completed and received a certification on **“Internet & Cloud Computing Foundations”** certified by Udemy.




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EVENTS



MCT | CDC MEETING



Department of **Mechatronics Engineering** conducted **CDC Meeting** on **06.05.2023**. The meeting was convened by **Dr.M.Lydia**, HoD, **MCT**, as a preparation for the 15th BoS for formulating syllabus for the students admitted under regulation 2022. All the faculty members participated actively during the brainstorming session.

CSE | SEMINAR ON HOW TO PLAN A STARTUP FOR LEGAL & ETHICAL STEPS



Department of **Computer Science and Engineering** in association with **IIC** organized a Seminar on "**How to Plan a Startup for Legal & Ethical Steps**". **Mr.R.Suraj**, Director & CEO, Haqto Technologies Pvt. Ltd, Coimbatore, addressed the students about the start-ups and Business Plan and types of revenue model to raise funds for start up.

Session Highlights :

- Overview on Steps to Start a Startup
- Importance of Business Plan & types
- Streamlining Processes for Maximum efficiency
- Fund Raising
- Startup Registration Process.

M.Tech. CSE | VIRTUSA SYLLABUS DISCUSSION



Dr. P. Kavitha Rani, HoD, M. Tech CSE along with **Dr. D. Prabha** and **Ms.Dureen.T.Rayen**, faculty members of **M.Tech. CSE** discussed the syllabus of 9th semester core course "**Front End Frameworks Engineering**" with **Mr.S.Raj Kumar**, Associate Director and **Ms.S.Mohana Priya**, Associate Director, Virtusa also suggested to include the industry perspective topics such as React Testing Library, Deployment to Cloud based Server, Introduction to Modular Project Structure and i18N.

S&H | EXTENDED HOUR ACTIVITY



Creative Club of SHA conducted **Build Your Universe (3D Model Making)** for the **First** year students. The teams worked together and jammed around the idea of the project. The team as a unit focused their attention on turning the concept idea of building their universe into reality.

CSBS & CIVIL | WORLD INTELLECTUAL PROPERTY DAY CELEBRATION



Department of **Computer Science and Business Systems** and **Civil Engineering** in association with **IIC** of SKCET celebrated **World Intellectual Property day** with two innovative contests and a Guest Lecture on 04.05.2023.

An interactive and vibrant Guest Lecture on **IPR** was conducted to enlighten our students with many Real time awarding histories of Innovation and patenting.

Resource person:

Dr.D.Balaji, Head-Centre for Intellectual Property Rights, KPR Institute of Engineering and Technology, Coimbatore.

Session highlights

- Synchronizing our brain to work for innovation.
- Importance of ideas and its potential to change the globe.
- Unlocking unlimited mental reserves and use them for the progress of our country.

CSBS & CIVIL | WORLD INTELLECTUAL PROPERTY DAY CELEBRATION



SMARTICUS (Quiz on IPR) – 25 teams participated in 2 rounds of 40 questions.

First Prize: Harinee MD & Kavin Ram J – II CSBS.

Second Prize: Amira Carel A and Ashmita E – I MCT.

PEN YOUR PATENT (Drafting patent) – 12 teams participated with choice based innovative products.

First Prize : Kiruthika K D & Hariharan S – I MCT.

Second Prize : Vijay Raghavendra S R & Trisha D – II CSBS.

S&H | EXTENDED HOUR ACTIVITY



Extramural Club - Student series of **SHA** conducted **Scavenger Hunt** for the **First** year students. The event promoted an experiential learning and observational skills which enhanced communication skills and problem-solving skills.

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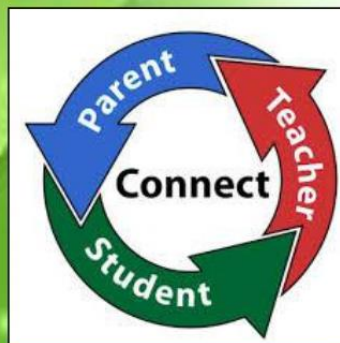


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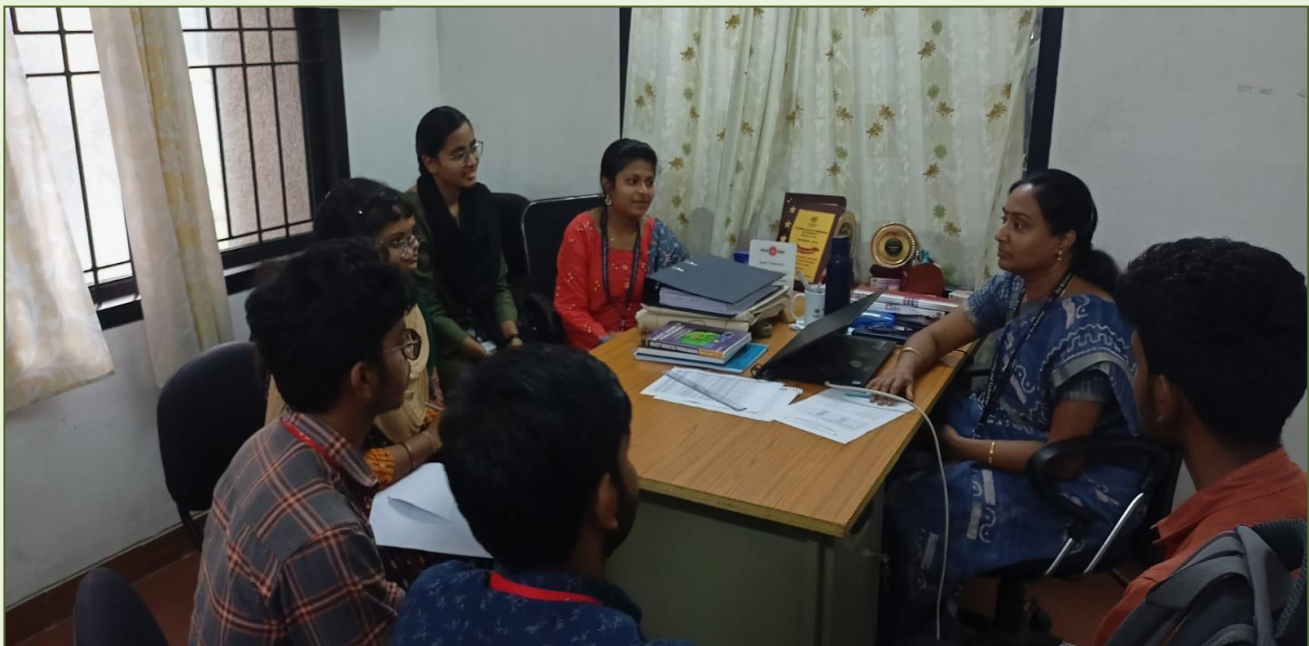


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TUTOR WARD MEETINGS



EEE | CLASS COMMITTEE MEETING



Department of **EEE** conducted **Class Committee Meeting** for the **Second** year **EEE** students by **Dr.M.Sujaritha**, Professor, Department of Computer Science and Engineering. The Pointers of discussion were: Syllabus Coverage on Theory and Lab Courses and preparedness for exams.

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PLACEMENT & TRAINING



EEE | TESTIMONIAL BY PLACED STUDENTS

Studying at SKCET was a wonderful experience, one that will live in the memory forever. I had the chance to get to know the remarkable and vibrant faculty members who are passionate, amiable, patient, and highly competent. I have been able to excel in all areas of life, thanks to their direction and close supervision. Without the assistance of the Placement & Training cell, I wouldn't have been employed by a reputable company. I've changed into a new person. For this fantastic opportunity, I am grateful to my Parents, SKCET administration, Principal, and the entire SKCET community.

FARHAN NAZEER
EEE (2023 Batch)
Hitachi Energy - 6LPA



PLACEMENT | TESTIMONIAL BY PLACED STUDENTS

I can confidently say that my college SKCET provided me with the best education and experiences I could have ever imagined. From the professors who went above and beyond to ensure our success, to the diverse range of clubs and activities available, I felt supported and challenged every step of the way. Not only did I receive a top-notch education, but I also gained valuable skills and experiences that have helped me in my professional and personal life. The education I received prepared me well for my career, and I am grateful for the guidance and support of my professors and advisors to secure my placement in Zoho. Thanks to my parents, SKCET Management, Principal, Department and the entire SKCET family for the wonderful opportunity.

MADHAVARAMAN V
CSBS (2023 BATCH)
ZOHO



PLACEMENT | TESTIMONIAL BY PLACED STUDENTS

My experience at SKCET had been amazing. It was very positive and motivating in every way- there are opportunities for research, projects, jobs, internship and committees. It provided us enough knowledge and experience to excel in the field of choice. These experiences helped me in a lot of ways, improving my communication skills, technical skills and management skills all of which are essential for a good career. Overall, I believe that SKCET presents a very conducive environment for an enriching experience. I would like to specially thank the placement cell for guiding me and providing me a good platform for my career and also helped me to secure my Placement in Trimble. Thanks to my parents, SKCET Management, Principal and the entire SKCET family for the wonderful opportunity.

RAHUL GLENN R
IT (2022 BATCH)
STRIIM



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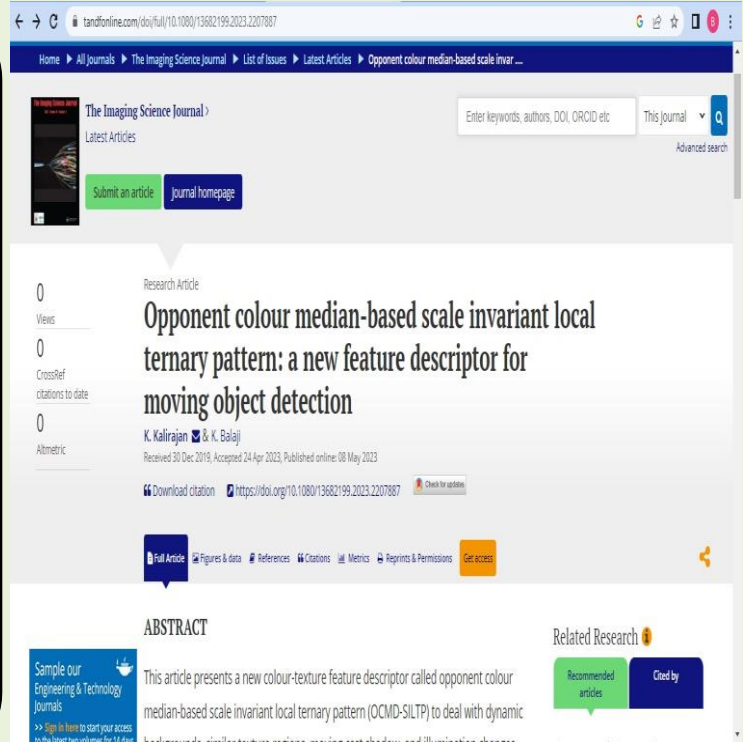
RESEARCH & DEVELOPMENT



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AI&DS | RESEARCH PUBLICATION

Mr. K. Balaji, Assistant Professor of **AI&DS** has published a paper titled **“Opponent colour median-based scale invariant local ternary pattern: a new feature descriptor for moving object detection”** in **The Imaging Science Journal** (Annexure 1) on 8th May 2023. DOI: <https://doi.org/10.1080/13682199.2023.2207887>



EEE | JOURNAL PUBLICATION

Dr.S.Sivaranjani, Professor, **EEE** Department has published a paper entitled **“Analysis and validation of multi-device interleaved DC-DC boost converter for electric vehicle applications”** in **IET Power Electronics Journal**. It is indexed in **SCIE & Scopus journal**.

DOI:<https://doi.org/10.1049/pel2.12494> Impact Factor: 2.112.



M.Tech. CSE | FACULTY RESEARCH & DEVELOPMENT

Dr.D.Prabha, Professor, Department of **M.Tech Computer Science and Engineering** has published a paper titled **“A Critical Analysis of the Block Chain in Manufacturing System Implementation”** in the 9th International Conference on Advanced Computing and Communication System (ICACCS), IEEE Xplore, 5th May 2023.

A Critical Analysis of the Block Chain in Manufacturing System Implementation

Publisher: IEEE [Cite This](#) [PDF](#)

G Gokilkrishnan; D Prabha; S Srinivasan; S Thirumurugaveerakumar; Vigneshkumar M; Anandakumar H **All Authors**



| Abstract | Abstract: |
|-------------------------------------|--|
| Document Sections | As component of the industry 4.0 project, a novel concept of Cyber-Physical Systems (CPS), fog computing, big data analytics, cloud manufacturing, the Internet of Things (IoT), and other technologies have been brought to the manufacturing sector. Some of the projected benefits and possibilities that these innovations might provide include self-prediction, self-maintenance, self-comparison, self-configuration, and self-awareness. In these concepts, the centralised corporate system and third-party trust operations are still in use. However, contemporary manufacturing has a slew of problems, including data security and reliability, adaptability, security, trust, and privacy. This paper provides an analysis of the Blockchain Technology (BT), reviews the application of blockchain in Artificial Intelligence (AI), proposes a model for blockchain-enabled CPS and discusses the potential challenges that face the implementation of blockchain in manufacturing systems. |
| I. Introduction | |
| II. The Blockchain Technology (BT) | |
| III. A Blockchain-Enabled Cps Model | |
| IV. Application | |
| V. Blockchain-Enabled | |

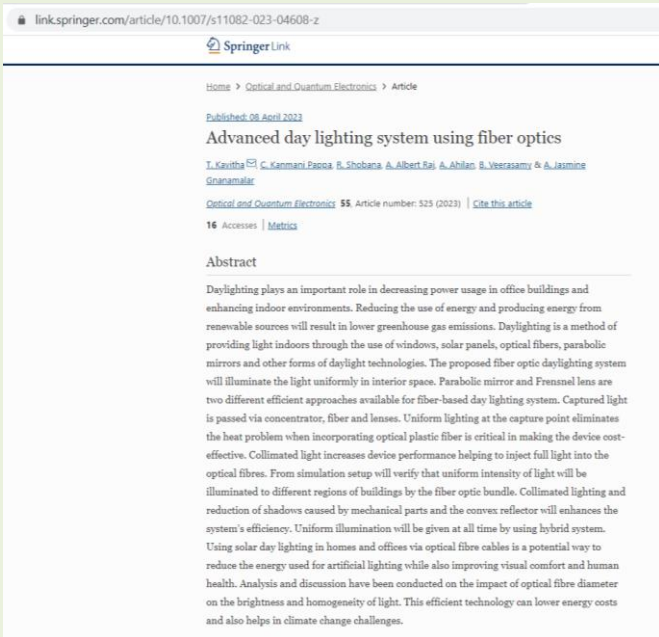
Published in: 2023 9th International Conference on Advanced Computing and Communication Systems (ICACCS)

AIDS | PATENT PUBLICATION | R&D



Mr.S.SenthilKumar, Assistant Professor, **AI&DS** has published a patent titled **“Evaluation of energy heuristics for wireless networks on demand route establishment”** on 05.05.2023. Application No:202341029347A

ECE | PAPER PUBLICATION | R&D



Dr.A.Albertraj, Professor, ECE Department has published SCIE and Scopus indexed journal titled **“Advanced day lighting system using fiber optics”** in Optical and Quantum Electronics Journal. DoI: 10.1007/s11082-023-04608-z.

WRITE IT RIGHT

BESIDES or ALSO?

Besides Use besides at the beginning of a clause to add a fact or reason that is stronger than what you have already said:

I'm too tired to go to the supermarket. Besides it is closed on Sunday.

Also To add extra information, use in addition or also:

I speak English fluently. Also I speak some French.

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FACULTY PROGRESSION



S&H, AI&DS AND CSBS | FACULTY PROGRESSION

1. WOMEN SAFETY TRIGOSAFE- Be safety Sm Before you Start! - **Rs.12500/- I**
2. Eliminate Malnutrition of the Girl Child - **Rs. 12500/- I**
3. Empowering Girl Child Nutrition: A Comprehensive Approach to Eliminate Malnutrition using AI - **Rs.5000/- - II**
4. Promote empowerment of all women with e information and communication technology **Rs.5000/- - II**

in association with
Institution's Innovation Council - Ministry of Human Resource Development
organizes

**HACKATHON 2023
DYNAMIC WOMEN WARRIORS**
on 28th April 2023 at the LADY DOAK COLLEGE, Madurai (Online/Offline)
Venue: Clapp Hall
Time: 10.30 AM - 12.00 PM

To join the video meeting online, please click this link:
<https://meet.google.com/itb-eyy-pby>

Convenors:
Dr. Ann Nirmala Carr & Mrs. S. Anbuselvi
Joint Coordinators, Centre for Entrepreneurship Development, LDC
44225510 & 8838278767
Dr. S.P. Jeyakokila NISP & Innovations
Coordinator, IIC, LDC - 9894668148
Dr. Lakshmi Sabha Internships
Coordinator, IIC, LDC - 9865454211

THEMES

1. Eliminate gender disparities in education
2. Equal access to all levels of education - enhance women in STEM
3. Eliminate all forms of violence against women in public and private spheres
4. Value unpaid care and domestic work of women in the private sphere
5. Enhance women's decision making in political, economic and public life
6. Optimize nutritional value of food for women
7. Eliminate malnutrition of the girl child
8. Promote women's equal ownership of economic resources
9. Promote empowerment of all women with enabling information and communications technology

PROGRAM PARTNERS

1st Prize - Rs. 25000
2nd Prize - Rs. 15000

Dr. Christianna Singh
Principal & Secretary
Lady Doak College,
Madurai.

Two Interdisciplinary faculty teams of SKCET have won **First** and **Second place** in **women only hackathon** entitled **Dynamic Women Warriors - 2023** organized by Lady Dock College, Madurai in association with Centre for Entrepreneurial Development and Centre for Women Studies, LDC and IIC, MHRD on 28.04.2023. It was a platform to showcase creative solutions for real-time challenges faced by women and to promote women's empowerment with enabling information and communication technology.

First Prize: Women Safety - Trigosafe.

- Dr.G.Ignisha Rajathi, CSBS
- Mrs.F.Margret Sharmila, CSBS
- Mrs.Antonitta Eileen Pious, S&H

Prize Amount: Rs.25,000/

Second Prize: Empowerment of women with e- information and Communication Technology.

- Mrs.M.Fathima, CSBS
- Mrs.Mary Fabiola, S&H
- Ms.Kiruba, AI&DS

Prize Amount: Rs.10,000/-

Mentor: Dr.S.Balakrishnan, HoD, CSBS.

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**FACULTY
CERTIFICATIONS**



MCT | FACULTY CERTIFICATION



Dr.J.Indirapriyadharshini, Assistant Professor, **MCT** has successfully presented the paper entitled “**Electronic Health Record Using PEGA Technology**” in the 2nd International Conference on **Applied Artificial Intelligence and Computing (ICAIC 2023)** organized by Narasu’s Sarathy Institute of Technology, Salem.

MCT | PAPER PRESENTATION

Dr.N.Mithran, Assistant Professor, **MCT** has presented a paper titled “**Design and Fabrication of Surface Water Trash Cleaning Bot**” in the 11th International Conference on Contemporary Engineering and Technology 2023 organized by Organization of Science & Innovative Engineering and Technology (OSIET), Chennai.



CIVIL | FDP CERTIFICATION



Following faculty members from the Department of **MCT** have participated in the Professional Development Program on “**Geotechnical Engineering for Infrastructure**” conducted by NITTT from 17th to 21st May 2023.

| S. No | Name of the faculty | Designation |
|-------|----------------------|---------------------|
| 1 | Dr. P. Saravanakumar | Associate Professor |
| 2 | Dr. R. Chandra Devi | Associate Professor |
| 3 | Ms. R. Hemavathi | Assistant Professor |

IT | FACULTY CERTIFICATION



Mr.Chandramohan S, Assistant Professor, Department of **IT** has successfully completed and received certification on “**Data Science Foundations**” certified by Great Learning Academy.

CIVIL | FACULTY CERTIFICATION



Mr. S. C. Boobalan, Assistant Professor, Department of **Civil Engineering**, has completed a course on **“Case Studies on Rehabilitation Measures for Bridges”** conducted by **Ultratech Cement Ltd.**

AI&DS | INFOSYS CERTIFICATION



Mr. Pugalendhi G S, Assistant Professor of **AI&DS** has successfully completed a course on **“SELinux”** on 08.05.2023 by Infosys springboard.

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**ALUMNI
CONNECT**



SKCET | ALUMNI ACCOLADES



J.SHALINI
ASSISTANT ENGINEER
PWD BUILDINGS



A.R.KARTHIKEYAN
ASSISTANT ENGINEER
HIGHWAYS DEPARTMENT

Congratulations

J. Shalini of Batch 2015 -19 and **A.R. Karthikeyan** of Batch 2016 -20 have cracked the TNPSC Assistant Engineer (AE) Examination and made it into the Public Works Department (PWD) and Highways Department, Government of Tamil Nadu.

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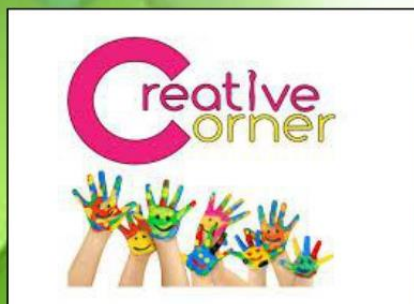


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CREATIVE CORNER



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NATURE CLICKS



Dr. S. Sivaranjani
Professor, EEE