

14th - 20th JANUARY 2023



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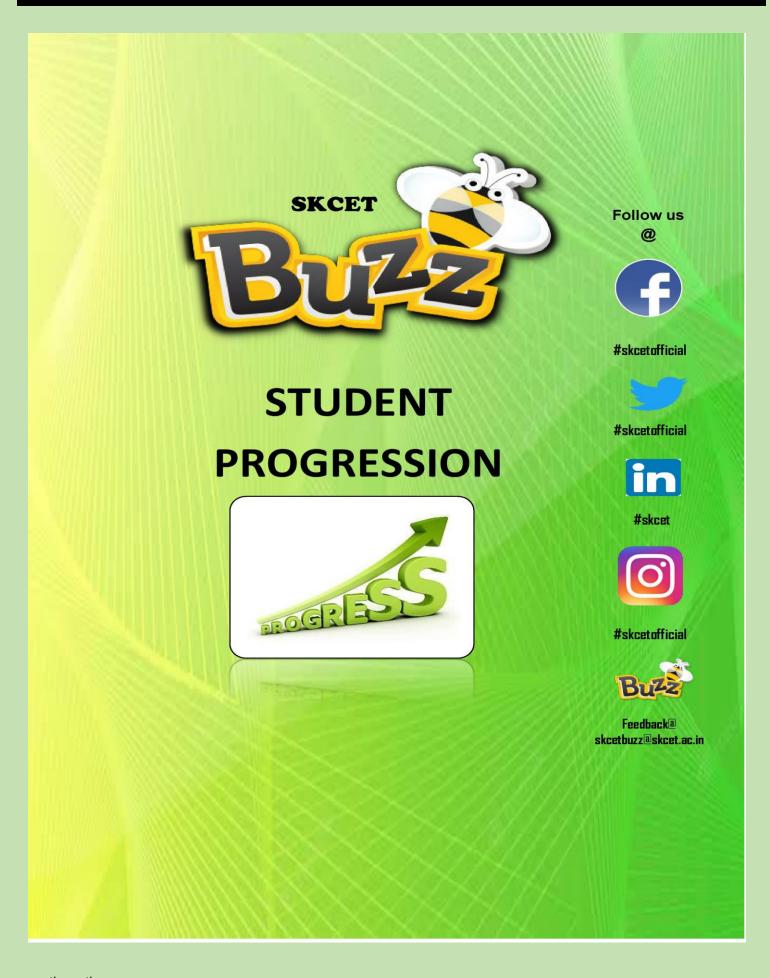
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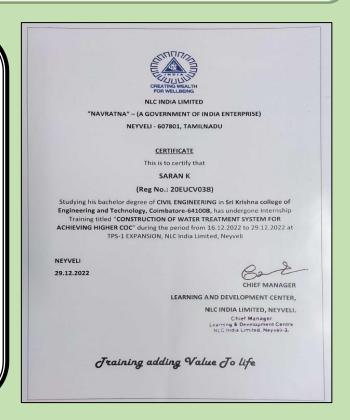
MECH | INTERNSHIP @ E-DOT TECHNOLOGIES



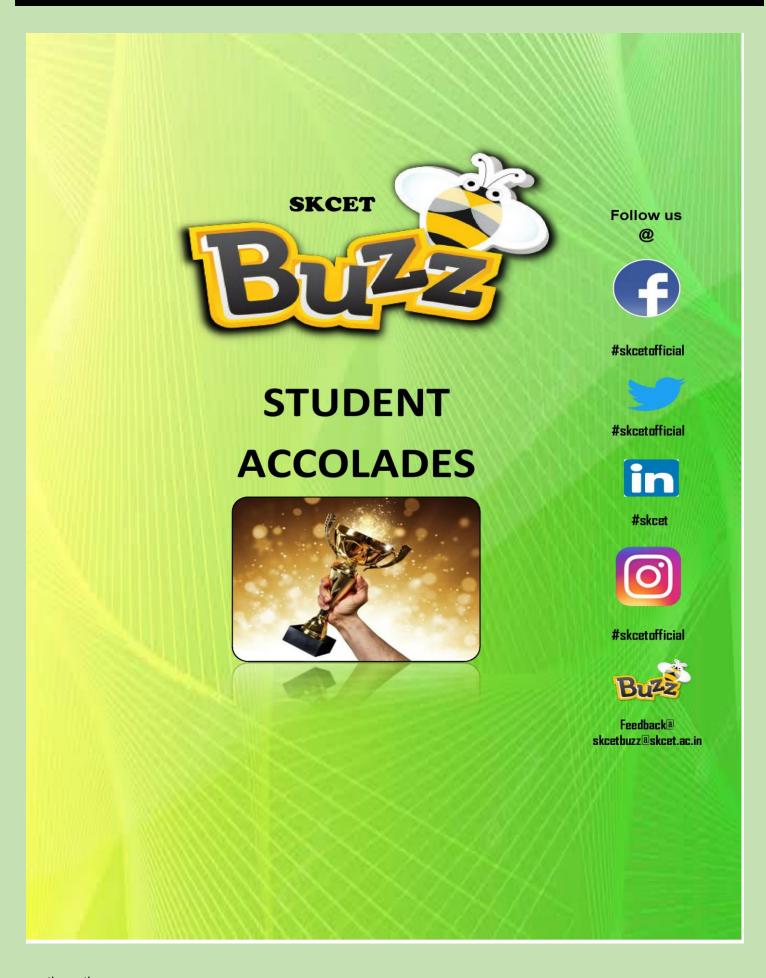
Joshan Regobert, student of Third year Mechanical Engineering underwent an internship at E-dot Technologies from 2.01.2023 to 14.01.2023.

CIVIL | INTERNSHIP @ NEYVELI LIGNITE **CORPORATION**

K. Saran, student of Pre-final year Civil Engineering Department, has undergone an internship training titled "Construction of water treatment system for achieving higher COC" Neyveli Lignite Corporation Limited from 16th December to 29th December 2022.







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CIVIL | TECHNICAL EVENT



Civil Engineering students have secured 1st and 2nd prizes in the technical event organized by the Builders Association of India. The winners will be felicitated by Mr.V.Senthil Balaji, Honorable Minister of Tamilnadu on 22.01.2023 at Le-Meridien, Coimbatore.

Theme:

Construction Industry -Turning waste to wealth

Team Members:

1st prize -Febish .M & Kalaidharan .R, II year

Mentor - Ms. R. Hemavathi, Assistant Professor / Civil Engineering

2nd prize- Aravind Babu.G.S, III year

Mentor- Dr. S. Ramakrishnan, Associate Professor, Civil Engineering



S&H | NATIONAL JAMBOREE OF BHARAT **SCOUTS AND GUIDES**



Ms.Neha Sri. R S student of First year CSD has participated in the Prestigious 18th National Jamboree of Bharat Scouts and Guides held at Rohat, Pali Marwar, Rajasthan State, as a **Member of State Contingent** from 04.01.2023 to 10.01.2023 on the theme "Progress with Peace". This mega event was inaugurated Honorable **President** by our Mrs.Droupadi Murmu. Our Beloved Principal Madam Dr.J.Janet appreciated and encouraged the student to participate in more such events and bring laurels to the Nation.

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M.TECH CSE | SKILL-A-THON **CERTIFICATION**





Second and Third year students of M.Tech Computer Science and Engineering have successfully completed the Skillathon 2022 organized by ICT Academy on January 2023.



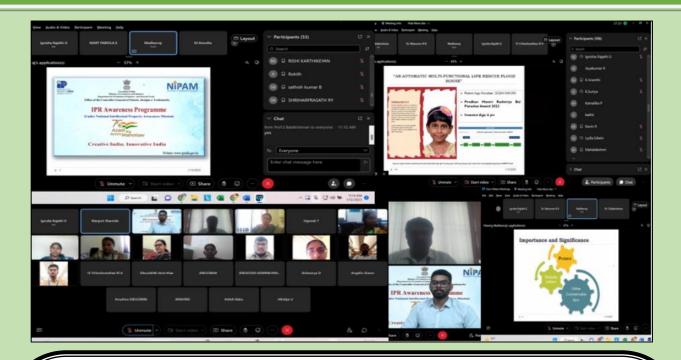


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CSBS | IPR AWARENESS PROGRAMME



IPR Awareness Program was conducted under KAPILA Scheme, an initiative of Ministry of Education's Innovation Cell, Government of India and AICTE.

Date: 12.01.2023

Time: 11.00 AM to 12.30 PM

Resource Person: Mr.M.Madhanraj, Examiner of Patents & Designs,

Intellectual Property Office, Chennai

Session Takeaways:

- Innovation and Invention Essentials
- Trade Mark
- Intellectual Property Rights
- Patent Rights
- Ingredients of Specification
- Copyrights
- Protection and Duration

Coordinators:

Dr.S.Balakrishnan, Prof & Head / CSBS Dr.G.Ignisha Rajathi, Asso.Prof / CSBS

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CSBS & M.TECH CSE | SOFT SKILLS **TRAINING**



Department of CSBS & M.Tech CSE have conducted soft skills training for the third year students on 11.01.2023 and 12.01.2023.

Resource person: Mr. Magesh BJ, Academic Relationship Manager, TCS, Bangalore.

Session Highlights

- Leadership Skills
- **Team Work**
- Suggestions were given for presentation of the students.



S&H | STUDENT EXTRAMURAL



Extramural Club of SHA organized, Just a Minute for the First year students to generate creative thinking and to develop their skills in interpersonal communication and to boost the students' confidence level to bring out their ability to speak spontaneously.

It's not about winning but taking part... Our proud participants were:

- Gokul M I MTECH CSE
- Geethanjali MECH A
- Sunandhitha.S I CSBS
- Sherin Farhana A MCT B
- Aadhithya S Eswar MCT A
- M. Somanath I MECH B
- Mohammad Sugahil I MCT B
- Sadhana S I MCT B
- Thabassum Syed I MCT B
- Aadhithya I MCT A
- Anishyanandh MCT A
- Aman MCT A

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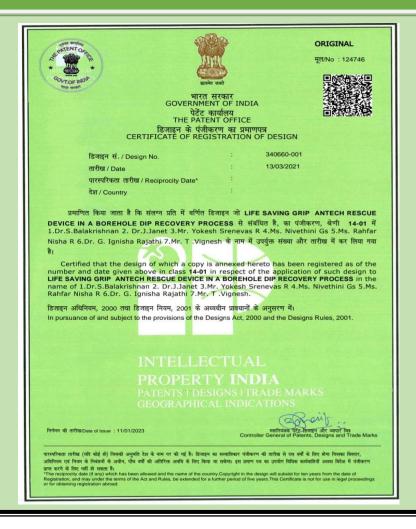








SKCET | DESIGN PATENT GRANT | R&D



The Department of Computer Science and Business Systems has recurrently received the third **Design Patent Grant** with the Certificate of Registration of Design by the Patent Office, Government of India on 11.01.2023.

Title: Life Saving Grip Antech Rescue Device in a Borehole Dip Recovery **Process**

Team Members:

Dr.J.Janet, Principal

Dr.S.Balakrishnan, HoD-CSBS

Dr.G.Ignisha Rajathi, Asso. Prof-CSBS,

Mr.T.Vignesh, AP-MCT,

Mr.R. Yokesh Srenevas, Ms.GS. Nivethini, Ms.Rahfar Nisha from IV CSBS

Date of Submission: 13.03.2021

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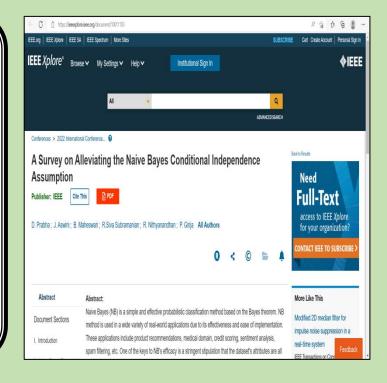
R&D | ARTICLE PUBLICATION | MECH



Dr.P.Ashoka Varthanan, Professor Head. Mechanical and Engineering has published scientific article entitled **Optimization** dissimilar of AA5052-H32 AA5083-H111 and **FSW** aluminum with ioints interfacial scandium laver' in Materials and Manufacturing Processes – A Taylor & Francis publication. It is a SCI, WoS and SCOPUS Indexed Journal with Impact Factor 4.783.

R&D | PAPER PUBLICATION | M.TECH CSE

Dr.A.Prabha, Professor. M.Tech Department of Computer Science and **Engineering** has successfully published the paper titled "A Alleviating Survey on the Conditional Naïve **Bayes** Independence Assumption" on IEEE Xplore on 16th January 2023.





R&D | BOOK CHAPTER PUBLICATION | EEE

Dr.J.Karthika, Professor, EEE Department has published a book chapter entitled "Smart Power Tracking and Power Factor Correction in a PV System" in Smart Grid and Green Energy Systems, Book published Scrivener by Publishing LLC. The DOI of the https://doi.org/10. book is 1002/9781119872061.ch3

Smart Power Tracking and Power Factor Correction in a PV System

Karthika J.*, Santhosh B., Vallinayagam K., Thennavan S. and Narendran R.K.

Department of Electrical and Electronics Engineering, Sri Krishna College of Engineering and Technology, Coimbatore, India

Abstract
Design and simulation of a capable charger controller for a photovoltaic system are offered here. To control maximum power point tracking (MPPT) feature, the P&O (perturb and observe) algorithm is used as it offers a good MPPT efficiency and high accuracy and can even be applied in cheap digital devices. This offshoot is fed to the grid where the automatic power factor controller is designed to monitor the functioning of the system and to improve the power factor automatically whenever the power factor falls below the desired level.

Keywords: Photovoltaic, MPPT, power factor, capacitor bank, PV panel, cost effective

3.1 Introduction

The International Energy Agencies around the globe estimated that, by the year 2050, the renewable solar and wind energies would occupy a humon-gous share in the energy consumption globally, and many developed and developing nations have started installing momentous solar power capacity to supplement the traditional sources

R&D | JOURNAL PUBLICATION | EEE

A hybrid control technique for small signal stability analysis for microgrids under uncertainty

J. Karthika**, M. Rajkumat⁵ and J. Vishnupriyan⁵
Department of Electrical and Electronics Engineering, Sri Krishna College of Engineering and Tectoribators, Taminada, India
Department of Information Technology, Sri Krishna College of Engineering and Technology, Coim
Taminada, India
Center for Energy Research, Chennai Institute of Technology, Chennai, Tamilnadu, India

eing and Technology, Coimbato

stract. Distributed generators (DG) with invester based on renewable sources are generally utilized in microgrids, these sources work in droop control mode to effectively shires the load. Higher droop is chosen on these systems to remain grower sharing. This paper proposes a Hybrid Counted Echnique for Small Signal Stability Analysis for Micro der Uncertainty. The proposed topology is to recover the capacity of power systems is used to restore the normal logs addition. The proposed hybrid technique is the contribution of chosto the item; gas solobility optimization (CHGSO-SIRININ) technique. The proposed hybrid technique is the contribution of chosto the lengy gas robustly optimization. CHGSO-SIRININ technique. The proposed hybrid technique is used to restore the contribution of chost of length gas robustly optimization. CHGSO-SIRININ technique. The proposed is the contribution of the form that is used for eigenvalue reasonable.

Nomenclature and Abbreviations η_{FF} - efficiency of FV modules η_{FF} - efficiency of FV modules η_{FF} - efficiency of FV modules η_{FF} - epitmal size of FV miss η_{FF} - epitmal size of epitmal size of epitmal size of the epitmal size of epitmal size

Dr.J.Karthika, EEE Professor. Department has published a paper entitled "A hybrid control technique for small signal stability analysis for micro grids under uncertainty" in the Journal of Intelligent & Fuzzy Systems DOI: 10.3233/JIFS-221425 Impact Factor: 0.698. It is indexed in

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Scopus journal.

^{*}Corresponding author: karthika@skcet.ac.ir

A. Chitra, V. Indragandhi, and W. Razia Sultana (eds.) Smart Grid and Green Energy Systems, (35–46) © 2022 Scrivener Publishing LLC

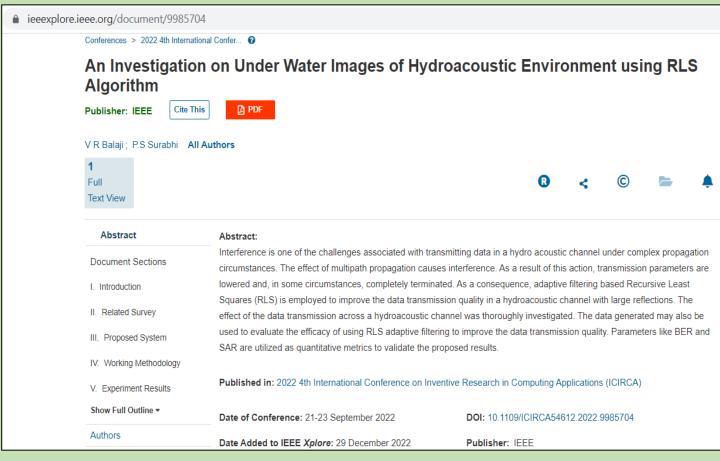


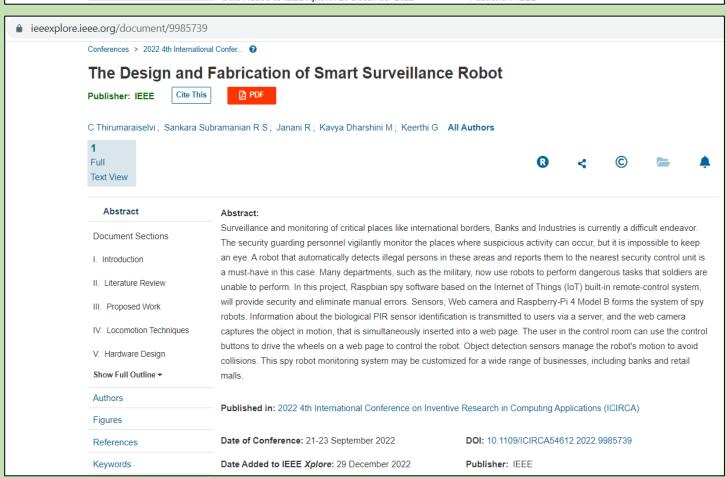
R&D | PAPER PUBLICATION | ECE













Name of the Authors	Title of the Paper	
S.Keerthana, Mr.J.R.Dinesh Kumar, K.Priyadharsini, M.Pavithra, D.Pavithra	Machine Learning Technique for Improvised and Automated Diagnosis of Soft Tissue Tumor	
Ms.M.BenedictTephila, P.M.Aswini, S.Abhinandhan, K.K.Arjun	Deep Learning and Machine Vision based Robot for Fire Detection and Control	
Dr.V.R.Balaji, P.S.Surabhi	An Investigation on Under Water Images of Hydro acoustic Environment using RLS Algorithm	
Dr.C.Thirumaraiselvi, Sankara Subramanian R S, Janani R, Kavya DharshiniM, Keerthi G	The Design and Fabrication of Smart Surveillance Robot	

The faculty members and students from the Department of ECE has presented and published their papers in 2022 4th International Conference on Inventive Research in Computing Applications (ICIRCA). It is a Scopus Indexed IEEE Conference.

R&D | **RESEARCH ARTICLE PUBLICATION** | **CSE**

Dr.G.Vijaya, Professor, Department of CSE has published a research article titled "Machine Learning based analysis and prediction of Covid -19 cases based on large- scale assessment", in the Positif Journal ISSN: 0048-4911. It is Scopus Indexed.



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R&D | RESEARCH ARTICLE PUBLICATION | CSE



Dr.Ramesh K, Professor, Department of CSE has published a research article titled "An Energy Efficient Resource Monitor and Alert Model Using Cloud Computing ",in the International Journal of Intelligent Systems Applications in Engineering vol. 10, no. 2s, pp. 105-110, Dec. 2022, ISSN: 21476799.It is Scopus Indexed.

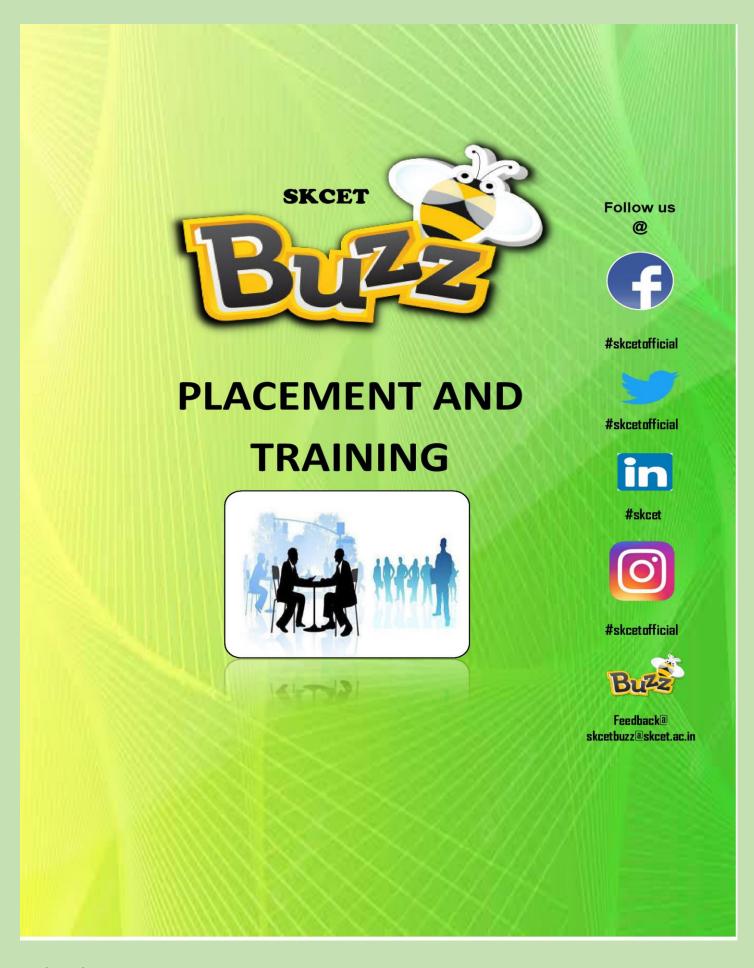
R&D | DESIGN PATENT GRANT | MCT

Mr.T.Vignesh, Assistant Professor MCT and **Dr.R.Gopinathan**, Associate Professor / MCT have received the design patent grant with the certificate of registration of by the Patent Office. Design Government of India for the title, "Helping Robot" on 11/01/23.



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MCT | PLACEMENT TESTIMONIALS



MIDHUN.V Batch 2019 - 2023 **Aspire Systems**

SKCET has not only given me degree but also good experience for future life. As a student I had an effervescent life here during my four years. Each and every faculty member in Mechatronics Department had given their support and guidance for us throughout our academic years. Especially I would like to show my gratitude to the placement team members who gave us lot of trainings as per our skill sets. Moreover, SKCET gave us lot of opportunities to explore various technologies. They have taken the initiative of making a bright future of the students and are moving ahead in progression. I place on records my sincere gratitude to the management team of SKCET for molding me and making me what I am today.



ECE | PLACEMENT TESTIMONIAL



ARFANA SURAIBA ECE (2021), **Programmer Analyst Trainee, CTS**

Four years seemed like yesterday in SKCET, I will always be indebted to our ECE department for all the exposure of technical and non-technical events, and a place which gave me ton of cherishing moments for life. The college provides all-round development in academia, leadership, and extra-curricular. There is a vast and an in-depth learning experiences helping one to develop analytical, conceptual and practical knowledge of the subjects. Such environment is preparing students for industry as well as graduate education. 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 am thankful for the placement team, their effort in getting me recruited in an MNC company like Cognizant Technology Solutions as Programmer Analyst Trainee (PAT), And more grateful to all the faculty members who brought out the best in me.



MCT | PLACEMENT TESTIMONIAL



KSR Muthukhumaran – MCT (2021) Application development analyst, Accenture

I would like to extend my thanks to the talented faculty members of our college for helping me by providing the guidance and training during placement. SKCET 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 also want to thank the Placement Team for giving very valuable placement training sessions and mock tests which really helped us during the test and also for bringing us wonderful career opportunities. It was a wonderful experience. I am very glad to be a part of SKCET. Thanks to my parents, SKCET Management, Principal and the entire SKCET family for the wonderful opportunity.

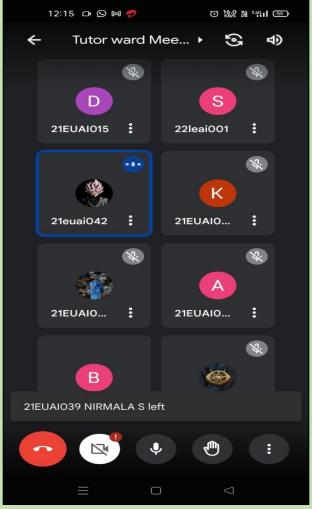






AI&DS | TUTOR WARD MEETING





Mr.K.Balaji and Mr.G.S.Pugalendhi Assistant professors, Department of Artificial Intelligence and Data Science have conducted Tutor Ward Meeting for the Second year students on 12.1.2023 via Google Meet. The pointers of discussion were: college reopening, rules and regulation, placement, skillathon course details and NPTEL course registration status.







CIVIL | FACULTY CERTIFICATION



Dr.P.Saravanakumar, Associate Professor, Civil Engineering Department, participated in an IP Awareness/Training under National Intellectual program Property Awareness Mission held on 5th January 2023.

CSBS | NPTEL MENTOR CERTIFICATE

Ms.F.Margret Sharmila Assistant Professor, CSBS has received the **Mentor Certificate** for the NPTEL course on "Python for Data Science" during the period JUL-DEC 2022.





IT | NIPAM CERTIFICATION





Dr.G.Edwin PremKumar, Professor, Dr.M.Mohammed Mustafa. and

Associate Professor, IT participated in IP Awareness Program on 12.01.2023

organized by Intellectual Property Office, India.



EEE | NIPAM CERTIFICATION





Following faculty members of Department of EEE have actively participated in IP Awareness/ Training Programme under National Intellectual Property Awareness Mission (NIPAM) organized by Intellectual Property Office, Government of India on 12.01.2023.

This event was organised under the banner Azadi Ka Amrit Mahotsav to create awareness on Intellectual Property Rights.

S.No	Faculty Name	Designation
1	Dr.K.C.Ramya	Professor & Head
2	Dr.S.Sivaranjani	Professor
3	Dr.T.Kokilavani	Assistant Professor
4	Dr. P.Vinoth Kumar	Associate Professor
5	Ms.C.Pavithra	Assistant Professor
6	Ms.N.Subhalakshmi	Assistant Professor
7	Ms. G. Mahalakshmi	Assistant Professor
8	Mr. R.Kavin	Assistant Professor



EEE | NIPAM CERTIFICATION





CSE | NIPAM CERTIFICATION











Dr.G.Vijaya, Dr.D.Rasi, Dr.V.K.Reshma, N.Pooranam, S.Abirami, faculty members from CSE Department, participated in the IP Awareness/Training program under National Intellectual Property Awareness Mission held on 5thJanuary 2023.



CSE | NPTEL MENTOR CERTIFICATION





Dr.V.K.Reshma, Assistant Professor, Department of CSE have received mentor certificates for NPTEL Online Courses titled "Programming in java and Database Management System". The course duration is between Jul -Dec 2022.

CSE | NPTEL MENTOR CERTIFICATION



Dr.D.Rasi, Associate Professor, of CSE have received mentor certificate for NPTEL Online Course titled "Programming in java". The course duration is between Jul - Dec 2022.

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CSE | NPTEL MENTOR CERTIFICATION



V.R.Azaguramyaa, Assistant Professor, Department of CSE have received Top Performing mentor certificate for NPTEL Online Courses titled "Python for Data Science". The course duration is between Jul - Dec 2022.

MCT | FACULTY CERTIFICATION



Mrs.S.Kannaki, Assistant Professor of MCT has actively participated in the online Faculty Development Program course on, "Research Scope in Electro Vehicles" from 06/12/22 09/12/22.

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MCT | NIPAM CERTIFICATION









Mr.S.Panneerselvam, Mrs.S.Kannaki and Dr.M.Bhuvaneswari, Assistant Professors and Dr.T.A.Selvan / Professor of MCT have successfully participated in the online course on "IP Awareness / Training" program under National Intellectual Property Awareness Mission on January 12, 2023 organized by Intellectual Property Office and MoE's Innovation Cell, India.



MCT | NPTEL MENTOR CERTIFICATION







Dr.M.Bhuvaneswari, Dr.L.Feroz Ali, **Assistant** Mrs.S.Kannaki, Professors of MCT have received certificates of appreciation for their role as mentor for the NPTEL online certification course on " Engineering Practice" during Jul – Dec 2022.



AI&DS | COURSERA CERTIFICATION



Mr.G.S.Pugalendhi, Assistant AI&DS Professor, have completed the course on **Evaluations of AI Applications** in Healthcare by Coursera Stanford University on 15th Jan 2023.

AI&DS | NPTEL MENTOR CERTIFICATION

Mr.G.S.Pugalendhi, Assistant Professor, AI&DS in recognition of his role as mentor for the NPTEL certification online course by Swayam.





MCT | NPTEL MENTOR CERTIFICATION



Dr.J.Indirapriyadharshini,

Assistant Professor of MCT has received certificates of appreciation for their role as mentor for the NPTEL online certification course "Introduction to Internet Things" during Jul – Dec 2022.

AI&DS | NIPAM CERTIFICATION

Mr.G.Pugalendhi, **Assistant** Professor Department Artificial Intelligence and Data science has successfully participated in IP Awareness / **Training** program under NATIONAL INTELLECTUAL PROPERTY **AWARENESS** MISSION on January 12, 2023 Intellectual organized by Property Office, India.









SKCET | ALUMNI ASSOCIATION MEETING

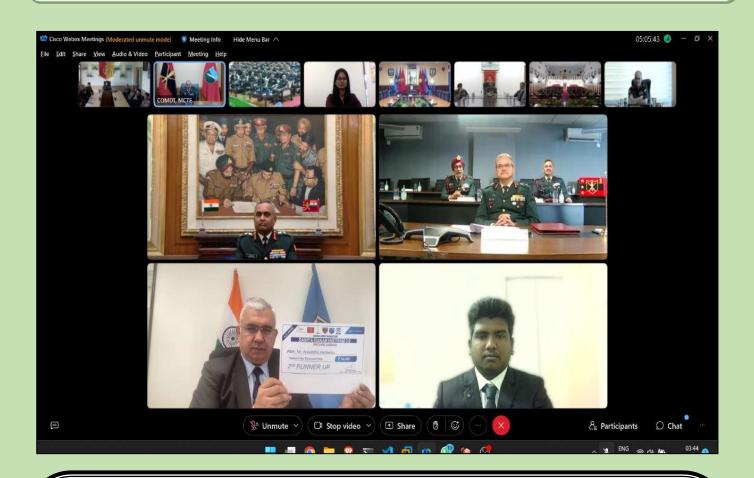


SKCET Alumni Association Meeting was conducted on 07.01.2023. Dr. Jayasudha Subburaj, Placement Director and Dr. K.C Ramya, HoD, EEE along with the SKCET Alumni Coordinators and office Bearers of the Alumni Association discussed on the upcoming Chennai Chapter Alumni Meet and its arrangements. The Department Alumni Coordinators meeting was held on 12.01.2023. Registration forms and Inviting alumni through social media networks were also discussed.

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IT | ALUMNI CORNER



Mr.M.Aravindha Hariharan notable alumnus of IT department 2022 Batch has won a cash prize of Rs.50,000 awarded by Indian Army General. Sainya Ranakshetram 2.0 was a National level Hackathon organized by Indian Army and it was enabled for all Indian citizens ranging from school students to army officials. There were approximately 10,000 participants who were divided into four distinct tracks/problem statements and allocated 2000 solutions to solve. It was a 30 day long hackathon with workshops and training and three different stages of filtration were done before the finale with Army Commands from Defense Security. Cracking all the paths Mr. Aravind Hariharan was able to win the Secure coding Track and was awarded by Dr. Bimal Patel, Director-General of Rashtriya Raksha University.



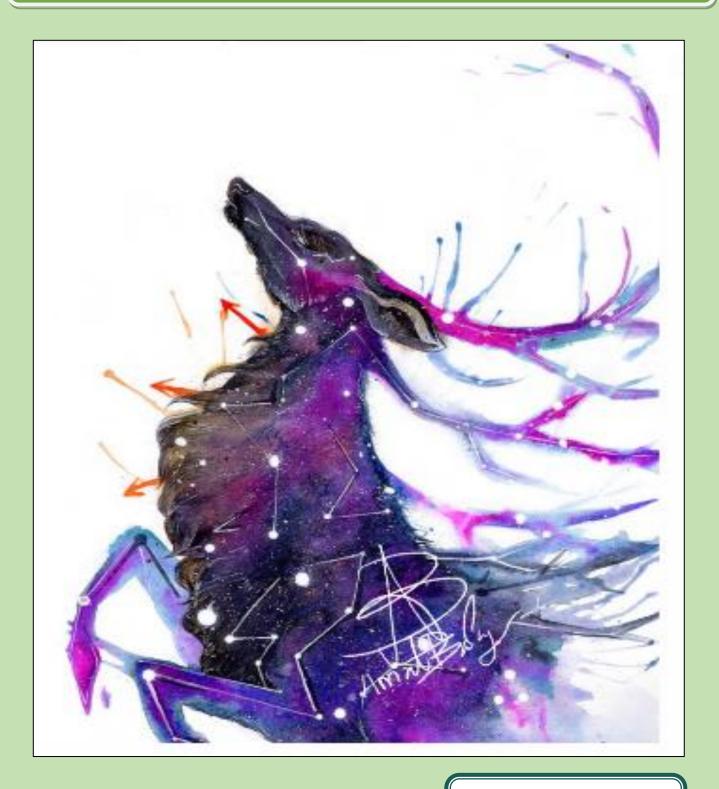


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MCT | CREATIVE CORNER



Amrithbalaji. K II MCT

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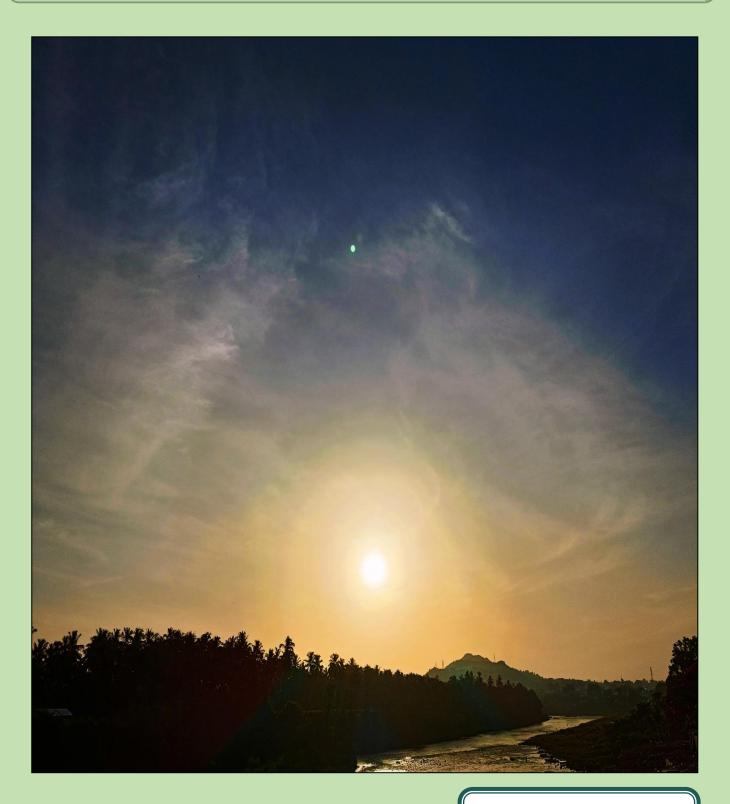








EEE | CAM CURVE



Surjith Surya.V **III Year EEE B**

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