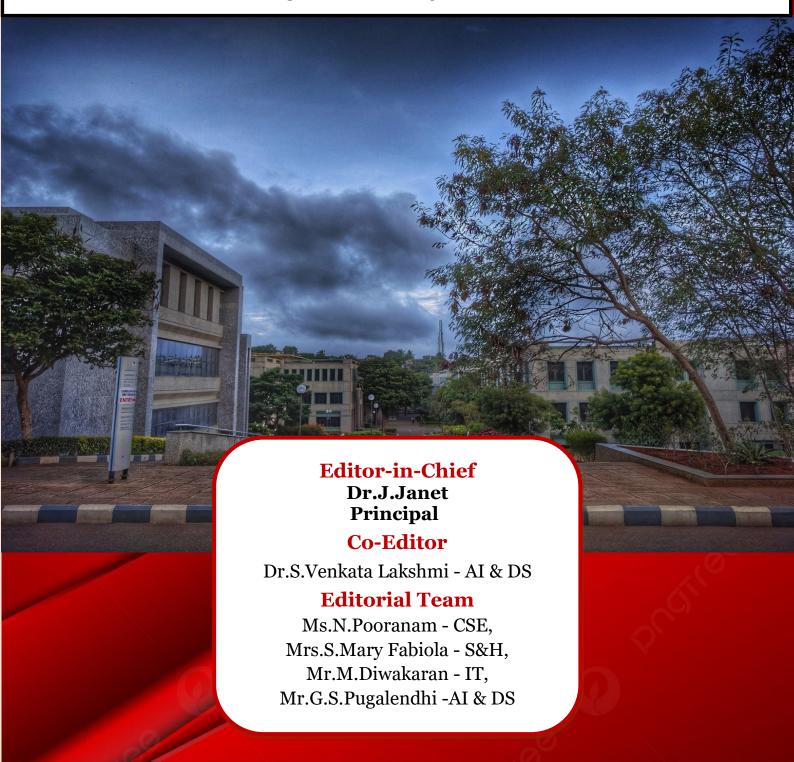


26th August - 01st September 2023





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CSE | NEO CODEATHON



Radhakrishnan B, student of Third year CSE B has won in the NEOCODEATHON August, Coimbatore Edition. He has been appreciated for his impressive victory in the programming contest.



S&H | ITECH HACKFEST 2023



First year M.Tech student team has secured First position with a cash reward of Rs 1,50,000/- showcasing their commitment to excellence at iTech Hack fest 2023- A National level Hackathon organized by PSG Institute of Technology and Applied Research in association with SAP and Kaar Technologies held during August 24th 2023.

Team Name: CODE CRUSADE **Problem Statement:** Climate Action

Team Members

- Shakthi pranav A
- Janika VK
- Pratika B
- Jefferson Wesley P

Team Mentor

Ms. Eileen Pious AP/S&H





CSE | SPARKATHON



Nithya S, student of Third year CSE B has won First Prize in SPARKATHON, a Innovative Startup Idea Contest organized by the Department of Computer Science and Engineering, Sri Krishna College of Engineering and Technology, Coimbatore held on 28.08.2023 & 30.08.2023.

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CSBS | 24 HOURS HACKATHON



Student team from the **Department of Computer Science and Business** Systems has secured First place in the 24 Hours Hackathon organized by IEEE students branch of Dr.N.G.P Institute of Technology from 24.08.2023 to 26.08.2023

Team members

Lionel Roshan.P-III Year CSBS Rayhaan.P - III Year CSBS

Mentor

Dr.S.Balakrishnan, HoD/CSBS Dr.G.Ignisha Rajathi, ASP/CSBS





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CSE | INFOSYS CERTIFICATION



Rakshapriyan V P, student of Third year CSE B has successfully completed Infosys Spring Board Certification course titled Artificial Intelligence Primer Certification on August 27th, 2023.

WRITE IT RIGHT





AI&DS | WORKSHOP ON ANSYS WORKBENCH





Following Third year, students of Al & DS have participated in the two day Software Workshop on "Ansys Workbench" conducted by KPR Institute of Engineering and Technology, Coimbatore from 25.08.2023 to 26.08.2023.

- S.Pranav Krishna
- G.Jaga Praveen
- R.Sanjay
- P.Sharwan Krishnan
- M.Vijay Ananth



AI&DS | HANDS ON SESSION











Following Third year students from the Department of Al & DS, have participated in the IETE Sponsored National Level Hands-on Session on Application Development with Low Code no code on 30.08.2023. organized by Karpagam College of Engineering, Coimbatore.

- R.Atchaya
- K.Vishnu
- R.Dharashini
- P.Guhan
- K.Sarathy





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MCT | HOD INTERACTION



Dr.M.Lydia, HoD, MCT addressed the Final year students on 26th August 2023 regarding the preparedness for the upcoming placement drives and reiterated the importance of placement training, aptitude tests and interviews.



MCT | OUTREACH ACTIVITY





Institution's Innovation Council of SKCET in association with the Robotics Club of Mechatronics Engineering conducted one day Workshop on "Introduction to Robotics, Automation, 3D Printing and Hands on training in ATAL Tinkering Lab - Hands on Training -Cum-Mentoring Session for ATAL Schools" for the students of Girls Higher Secondary School ,Thondamuthur, Government Coimbatore on 24.08.2023. Around 65 school students actively participated and were greeted with participation certificate and 3 winners were awarded with memento. The headmistress of the school appreciated the faculty members and student volunteers for their contribution and also thanked them for making the day more useful for the students to know about the recent advancements of Robotics Technology.

Mentors: Ms.S.Kannaki, Dr N.Mithran, Ms.S.Nithyapriya, Ms. R.Priyadharshini, Mr T Vignesh faculty members of MCT along with the student volunteers P. Sreehari, S. Shannon and B. Nellaiappan of IV MCT.

The outreach activity aimed to educate the young minds on the following topics:

- Robotics and Automation
- 3D printing
- Arduino Platform

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EEE|**GUEST LECTURE**



Department of Electrical and Electronics Engineering organized a Guest Lecture on the topic 'Innovation in solar technologies and implementation techniques' for the Final year EEE students on 26.08.2023.

Session Speaker: Mr.S.Bharani Chandar, Project Manager, Novitech Innovations, Coimbatore.

Session Highlights:

- Key Skills of Solar technologies
- Advanced building integrated Photovoltaics
- Passive Solar Design
- Energy storage and Grid Integration
- Development of Projects using solar technologies.



EEE | STTP ON SMART GRID & INTEGRATION OF DISTRIBUTED **GENERATION – DAY 1**



Department of EEE, SKCET as Remote Centre for NITTTR - Chandigarh organizes a five days Short Term Course on "Smart Grid and Integration" of Distributed Generation" from 28-08-2023 to 01-09-2023. Faculty Members and Research Scholars from Various disciplines have participated in the STC.

Resource Person: Dr. Lini Mathew, Professor & Head, Electrical Engineering Department, NITTTR, Chandigarh. Dr. Poonam Syal, Professor, Electrical Engineering Department, NITTTR Chandigarh and Ms. M. Soujanya, Research Scholar, NITTTR Chandigarh.

Session Focus:

- Components and Modern Technologies in Smart Grid (SG),
- Renewable Energy integration in SG and its impacts,
- Advanced Metering Infrastructure,
- Case Study of Stand-alone and Hybrid PV System Power Generation and integration with SG.



EEE | STTP ON SMART GRID & INTEGRATION OF DISTRIBUTED **GENERATION – DAY 2**



Resource Person: Dr. Ajay Kumar, Assistant Professor, Department of Electrical Engineering, Punjab Engineering College, Chandigarh. Dr. C.K. Chanda, Professor, Electrical Engineering Department, Indian Institute of Engineering Science and Technology, Shibpur, Howrah.

Session Focus:

- Biomass Energy and Modern Technologies involved in process.
- Indian Wind Energy Scenario and Geothermal Modern Techniques to improve the efficiency.
- Adoption of Big Data Analytics and Cyber-security measures



EEE | STTP ON SMART GRID & INTEGRATION OF DISTRIBUTED **GENERATION – DAY 3**



Resource Person: Dr. Lini Mathew, Professor & Head, Electrical Engineering Department, NITTTR, Chandigarh. Dr.Poonam Syal, Professor, Electrical Engineering Department, NITTTR Chandigarh, Dr. Shimi. S. L., Professor, Electrical Engineering Department, Chandigarh.

Session Focus:

- Pseudo Capacitors and Super Capacitors as Hybrid Energy Storage Systems.
- Emerging Battery Technology.
- Block chain for future SG.



IT BOOTCAMP POWER LAUNCH



Department of Information Technology has successfully organized a "Bootcamp Power launch - A Hackathon Prelude", two days Program on 26.08.23.

Resource Person: Mr.G.K.Arun, Intel Student Ambassador, Bengaluru Session Takeaways:

- Challenges handled by oneAPI
- Cuda
- · Optimization of code
- Registration with IDC Beta Cloud
- DNN and DL oneAPI python libraries
- Sample Projects-Demo
- Strategies to qualify the projects in upcoming Hackathon.



EEE | EMERGING OPPORTUNITIES IN ELECTRICAL SECTOR



Department of Electrical and Electronics Engineering in association with IEEE-PELS, organized a Seminar on the topic 'Emerging opportunities in the Electrical Sector' for the EEE Students on 26.08.2023.

Resource Person: Mr.N.Duraiswamy, Head of IT & HSE, CHIORINO -Power Transmission and Conveyor Belts, Goa.

Session Takeaways

- Harmonics Studies and Mitigation Techniques
- Structure and Integration of Smart Grid
- Step Stones to upgrade ourselves to Core Industry needs
- Industrial requirements in Electrical Core
- Role of Electrical Engineers in IT
- Electrical safety measures in manufacturing units.

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CSE | SPARKATHON



Department of CSE in association with IIC organized an innovative Startup Idea Contest "SPARKATHON". Ms.Janani Vijayakumar, Program Analyst CTS, Coimbatore was the jury member. The Innovative ideas of our participants and the top three projects were highly appreciated by the jury member. The winners were awarded with cash prize as a symbol of motivation and appreciation for their smart work.

I Prize- Team Elite Techiez - III CSE B

- Ravikrishna B
- Nithya S
- Phooja S
- Megadharshi S

II Prize- Team Daebak Three - IV CSE B

- Sameera M
- Mikkalya N S
- Priyadharshini V

II Prize - Team Team Sunshine - III CSE C

- Sneha Janarthanan
- Yashu Venkat S

III Prize - Team MEDI CODE- III CSE C

- Subiksha K R
- Sriram S
- SriHarivelan N K







PLACEMENT TESTIMONIALS

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 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 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.

accenture

ABDUL RAZEEM K, MCT (2023 BATCH), Accenture





PLACEMENT TESTIMONIALS

It was a great experience studying at Sri Krishna College of Engineering and Technology, a memory to cherish for lifetime. My experience at Sri Krishna was full of learning and grooming. It gave me an opportunity to meet different kind of people and learnt many things from them. I am thankful to all the faculty members, mentors and entire department for providing us with quality education. I am also grateful to Placement Cell for organizing placements in the pandemic situation and helping me to get placed. Overall it was a great experience and lifetime memory at SKCET.



ASHWINKUMAR S, CIVIL (2023 BATCH) MU Sigma





PLACEMENT TESTIMONIALS

Firstly, I would really like to explicit my heartfelt gratitude to the Sri Krishna Family. I like to extend my regards and thanks to the professors and staff of my department who played an integral part in my achievement. The management provided us with outstanding placement training and several interview opportunities which was helpful during campus placements. I am deeply grateful to SKCET management, the EEE department, and their impact on my life. It has provided me with an enriching educational experience, personal and professional growth opportunities.

Under the guidance provided by the placement team, I got placed in O9 solutions. I am extremely grateful to all my professors and friends who supported me throughout the journey. I will always cherish the memories and knowledge gained from being a part of SKCET.



RAKSHANA V S EEE (2023 Batch) O9 SOLUTIONS - 10 LPA









R&D|PAPER PUBLICATION| CSE & CSBS

Multimedia Tools and Applications https://doi.org/10.1007/s11042-023-16464-w An emergence of technological aids using machine learning algorithms to curtail the mounting manifestation of dyspraxia S. Balakrishnan¹ · K. Suresh Kumar² · J. Janet³ · D. Vijendra Babu⁴ · Chandra Prakash Lora⁵ Received: 22 June 2022 / Revised: 5 August 2023 / Accepted: 8 August 2023 The Author(s), under exclusive licence to Springer Science+Business Media, LLC, part of Springer Nature 2023 Dyslexia and Dyspraxia are prevalent learning disabilities that significantly impact individuals' abilities to read, write, and coordinate movements. Over the years, researchers have developed cognitive models to understand the underlying deficits in both conditions. Dyspraxia, categorized under Developmental Coordination Disorder (DCD), is particularly challenging as motor complications often persist from childhood into adulthood, affecting an individual's daily functioning. However, existing studies have predominantly focused on the perspectives of experts and parents, neglecting the valuable insights of affected teenagers. In India, Dyspraxia is still an emerging concern, with limited resources and infrastructures available for these special children. Additionally, Dyslexia affects approximately 15% of the population in the country, leading to significant learning difficulties. This research aims to harness technological advancements to address these challenges and empower individuals to cope with the demands of today's materialistic world. The proposed system targets various stakeholders, including parents, special school trainers, physiotherapists, occupational therapists, medical doctors, orthoptists, and speech and language therapists. A key feature of this system is the utilization of a modified Random Forest (RF) algorithm. This advanced machine learning approach plays a pivotal role in allocating characteristic significance and minimizing amplitude, enhancing the accuracy, precision, and recall of the algorithm to 78%, 0.85, and 0.71, respectively. By leveraging cutting-edge technology and machine learning techniques, this research endeavors to pave the way for improved understanding, early intervention, and customized support for individuals with Dyslexia and Dyspraxia in India. These technological aids hold the potential to positively impact the lives of those affected, facilitating better integration and enhanced quality of life in the face of these learning disabilities. Keywords Dyspraxia · Coordination disorder · Machine learning · Modified random forest S. Balakrishnan balaktishnans@skcet.ac.in Extended author information available on the last page of the article

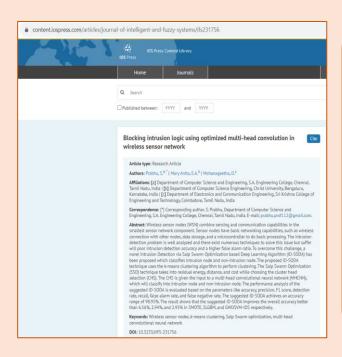
Dr.J.Janet, Principal, SKCET and Dr.S.Balakrishnan, HOD, CSBS have published a paper titled "An Emergence of Technological Aids using Machine Learning Algorithms to Curtail the Mounting Manifestation of Dyspraxia" in Multimedia tools and Applications, Springer Nature with Doi.10.1007/s11042-023-16464-w and the impact factor 3.6 on 26.08.2023

Published online: 26 August 2023

Springer



R&D | PAPER PUBLICATION | ECE



Dr.D.Mohana Geetha. Professor. **ECE** has published a Journal titled "Blocking intrusion logic using optimized multi-head convolution in wireless sensor network" in the of Intelligent & Fuzzy Systems. It is a SCI and Scopus Indexed Journal. Dol: https://doi.org/10.3233/JIFS 231756.

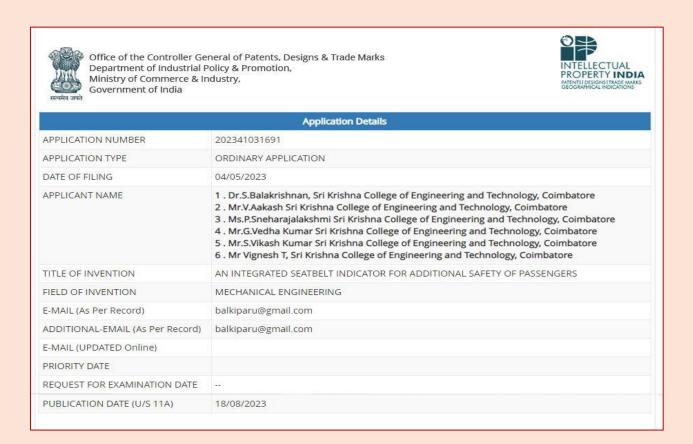
R&D | PATENT PUBLICATION | CSBS

Student team from the Department of **Computer Science and Business** Systems has published a patent title "A Wearable Device for **Psoriasis Management**" with the Application number 202341031769 on 18.08.2023 **Team Members:** Yazhini.M (IV CSBS) Preethi.S (IV CSBS), Swetha.D (IV CSBS), Indhumathi.M (IV CSBS) Mentor: Dr.S.Balakrishnan, HOD/CSBS





R&D| PATENT PUBLICATION | CSBS



Student team from the Department of Computer Science and Business Systems has published a patent title "An Integrated Seatbelt Indicator for Additional Safety of Passengers" with the Application number 202341031691 on 18.08.2023

Team Members: Mr.V.Aakash (IV CSBS), Ms.P.Sneharajalakshmi (IV CSBS), G. Vedha Kumar (IV CSBS), S. Vikash Kumar (IV CSBS)

Mr. Vignesh (IV CSBS)

Mentor:

Dr.S.Balakrishnan, HOD/CSBS





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CIVIL | CLEAN AIR SUMMIT 2023



Dr.M.R.Ezhilkumar, Assistant Professor, Department of Civil Engineering, attended the 5th India Clean Air Summit 2023 organised by The Center for Study of Science, Technology and Policy (CSTEP) at Radisson Blu Atria, Bengaluru from 23rd to 25th August 2023. The India Clean Air Summit (ICAS) was held with the purpose of underscoring the essential connection between clean air and sustainable development, as well as aligning our efforts with the visionary "Mission LiFE" initiative.

WORD OF THE WEEK ARCHETYPE



Meaning: An archetype is someone or something that is seen to be a perfect example. It is also a word for the original pattern or model of which all things of the same type are representations or copies.

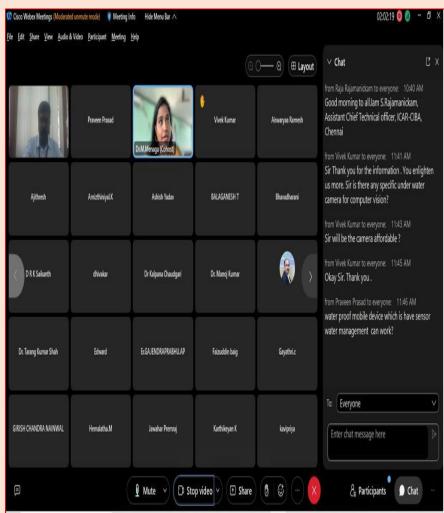
Archetype in a Sentence:

- The young business owner is the archetype of the successful entrepreneur.
- The hero and his journey are archetypes included in many stories and movies.



CSBS | KEYNOTE SPEAKER





Dr.S.Balakrishnan, Professor and Head, Department of Computer Science and Business Systems has received a certificate of appreciation for delivering a talk on "Aquatic Reforms: How Digital Technologies are revolutionizing **Farming in India's waters"** the three days online collaborative training program on "Digital Technologies for the Transformation of Aqua Farming in India" organized by Tamil Nadu Dr.J.Jayalalithaa Fisheries University in Collaboration with National Institute of Agriculture Extension Management held from 23.08.2023 to 25.08.2023

in #skcet







MCT | VLSI TO SYSTEM DESIGN





Dr.M.Bhuvaneswari and Mr.S.Madhan Kumar, Assistant Professors, MCT, have actively participated in the 5 days workshop on "VLSI to System Design: Silicon to End Application Approach" organized by All India Council for technical Education (AICTE) Arm Education and ST Microelectronics from 31st July to 4th August 2023.

S&H| WORKSHOP ON GRAPH THEORY & **PYTHON**

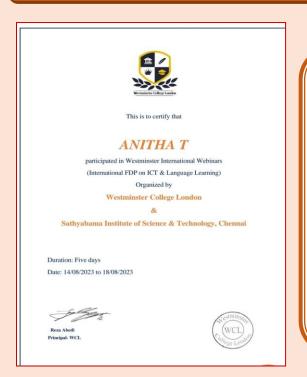


Ms. Revathy P, Assistant Professor, **Department** of Science and **Humanities** has participated in the Graph Theory with Python: A Two-Day Online Hands-On Workshop to unlock Power organized Indian its by Mathematics Professors Association and Infinity & Development Research Institute, Coimbatore.

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S&H | FDP ON LANGUAGE & TECHNOLOGY



Dr.Anitha T. Associate Professor. Department **Science** of and **Humanities** has participated in an International FDP on Language & **Technology** organized by Westminster College, London & Sathyabama Institute of Science & Technology, Chennai from 14th to 18th August 2023.

IT | CLOUD COMPUTING

Dr. G. Shobana, Assistant Professor, Department of Information Technology Advanced participated has in Technology Program on Cloud **Computing** conducted **WIPRO** by TalentNext from 07.08.2023 to 11.08.2023



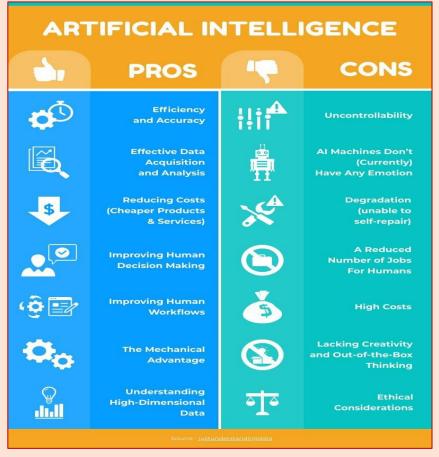


CSE | FACULTY DEVELOPMENT PROGRAM



Dr.K.Ramesh, Professor, CSE has attended 5 days Online Faculty Development Program on "Blockchain Revolutionizing Artificial Intelligence" from 21-8-2023 to 25-8-2023 organized by Institute of Technology, Apex Chandigarh University, Gharuan.

INFOGRAPHICS



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MCT | PAPER PRESENTATION



Dr.V.Narasimharaj, Associate Professor, MCT, has presented a paper entitled "A Deep Learning Framework for Predicition of Heart Diseases from Clinical Observation" in the 2nd International Conference on Augmented Intelligence and Sustainable Systems organized by CARE College of Engineering, Trichy on 23rd to 25th August 2023.

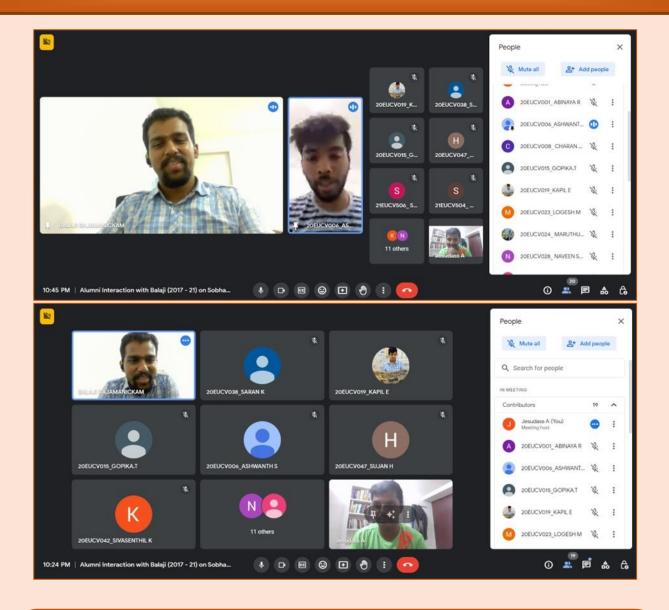




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CIVIL | ALUMNI INTERACTION



Er. R. Balaji, prominent alumnus of Civil Engineering Department, Batch 2017 – 21 has mentored the Final year students for the Sobha LLC Dubai Drive. He is currently working as a Project Manager in Sobha LLC Commercial Division, Dubai. He shared his interview experiences and guided them on the process and ways to crack through the different rounds of interviews.



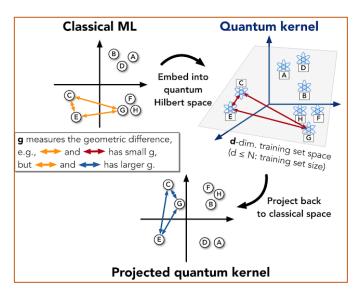


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ECE | Quantum ML

Quantum Machine Learning extends the pool of hardware for Machine Learning by an entirely new type of computing device—the quantum computer.



Quantum computing solves most complicated data patterns that may not be solved by classical machine learning and deep learning algorithms. QML can resolve the problem in complicated datasets where data correlations and patterns are not recognizable.

In the modern viewpoint, quantum computers can be used and trained like neural networks. We can systematically adapt the physical control parameters, such as an electromagnetic field strength or a laser pulse frequency, to solve a problem.

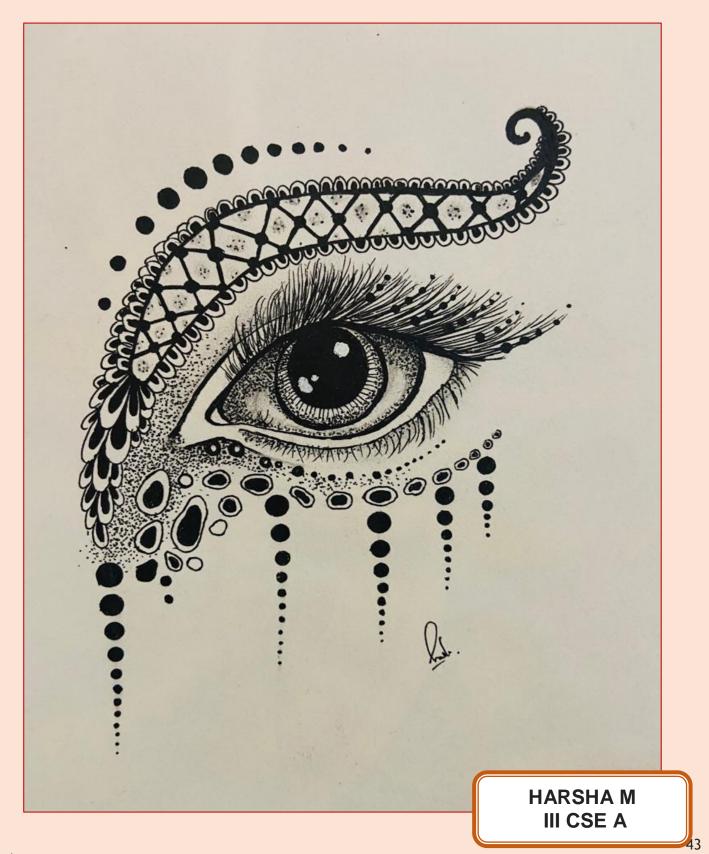
For example, a trained circuit can be used to classify the content of images, by encoding the image into the physical state of the device and taking measurements.

Siva Sundhar.P

IV ECE C



CSE | CREATIVE CORNER



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CSE | CREATIVE CORNER



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