



Newsletter

Department of Computer Science and Engineering

Jan 2024 – June 2024

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Kingsly Rufus
23BCS073

A decorative graphic on the left side of the page features several overlapping circles in shades of blue. A large solid blue circle is partially visible, with a smaller solid blue circle inside it. A dashed blue circle is also present. A dotted blue line arches across the top and bottom of the page, with three larger solid blue circles placed at various points along its path. The overall design is clean and modern.

Contents

Vision and Mission

Department Events

Student's corner

Faculty corner

Internship Records

Placement Records

Entrepreneur Journey

DEPARTMENT VISION

To evolve as a School of Computer Science with centers of excellence having international reputation to serve the changing needs of Indian industry and society.

DEPARTMENT MISSION

- Computer Science and Engineering department is committed to bring out career oriented graduates who are industry ready through innovative practices of teaching-learning process.
- To cultivate professional approach, strong ethical values and team spirit along with leadership qualities among the graduates by organizing workshops, seminars and conferences periodically. Association with professional bodies and invitation to external experts should help this.
- To contribute towards techno-economic and social development of the nation through quality human resource and encouraging entrepreneurship among the young graduates.

PROGRAM SPECIFIC OBJECTIVES (PSOs)

The Program Specific Objectives of Computer Science and Engineering Undergraduate Program are to prepare the graduates:

PSO1: Proficiently develop useful products by applying appropriate hardware and software technologies.

PSO2: Organize heterogeneous data for accurate large-scale data processing using appropriate algorithms and tools

PSO3: Understand modern networking technologies and apply programming skills to create scalable real-time applications.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

The objectives of the Under Graduate programme in Computer Science and Engineering are to:

PEO1: Enable graduates to be successful in their chosen careers, by applying their continual learning of Computer Science and Engineering in their work and life situations.

PEO2: Enable graduates of the program to continue to adopt latest technologies and be critical learners displaying creativity and demonstrate to be leaders.

PEO3: Prepare graduates of the program to be innovative product engineers catering to the requirements of the enterprises and society.



Department Events

Department Events

Faculty Development Program on Accelerating Autonomous Systems with MATLAB, Simulink, Quanser and Case Study on Autonomous Vehicle

IoT, Edge, UAV cohort organized a Faculty Development Program on “Accelerating Autonomous Systems with MATLAB, Simulink, Quanser – Case Study on Autonomous Vehicles” between from 15.2.24 to 17.2.24 to disseminate knowledge on autonomous vehicles and technologies.

Dr. Souvick Chatterjee, Senior Team Lead-MathWorks provided a comprehensive overview of the practical applications of MATLAB and Simulink in the real world. The hands-on session delved into the exploration of MATLAB and Simulink software, encompassing topics such as understanding Deep Learning Models, building CNNs, Image Processing, and addressing real-time complexities in the development of Autonomous Vehicles. A small-scale working QCar model was presented for a more tangible understanding. The session was led by Mr. Prakash, Manager, EduTech. He delved into the working mechanisms and architecture of Autonomous Vehicles designed and developed by the EduTech Team. The integration of hardware and software was demonstrated practically, showcasing how the QCar was virtually created using Quanser Software and controlled through MATLAB-Simulink Models. Throughout the session, tasks and assignments were assigned by the EduTech Team, providing participants with a deeper understanding of the integration of Quanser and MATLAB-Simulink.



Mastering the Art of 3D Printing: From Design to Creation

IoT, Edge, UAV cohort organized a three-day workshop on “Mastering the Art of 3D Printing: From Design to Creation” from 6.3.24 to 8.3.24. The event provided an engaging platform for students to delve into the fundamentals and advanced aspects of 3D printing technology. The inauguration commenced at 9:30 a.m. with a warm welcome and insightful introduction by Dr. Raghuveer VR, Director of KSI. His address highlighted the future potential and real-time applications of 3D printing. The subsequent session, led by Mr. Hari Vignesh, provided a comprehensive overview of 3D printing, its historical evolution, various printer types, and real-world applications.

Participants gained a thorough understanding of 3D printer components and their functions. After a refreshing lunch break, discussions shifted to FDM 3D printers, material selection, and the 3D printing workflow. The day concluded with an engaging live demonstration of the FDM printing process. The second day, March 7, 2024, began with a recap of Day 1 and transitioned into hands-on 3D designing using TinkerCAD. Students explored the tool's features, creating 3D models from basic shapes while understanding its practical use cases. Post lunch, the session introduced slicing software such as Prusa Slicer and Chitubox, along with discussions on post-processing techniques for FDM and SLA printing. The day wrapped up with an in-depth exploration of calibration techniques and troubleshooting common printing issues. The final day, March 8, 2024, started with a recap of Day 2's key takeaways, followed by an exploration of reverse engineering concepts. Participants worked on design challenges in TinkerCAD and practiced slicing models for printing. The afternoon sessions featured discussions on the latest advancements in 3D printing and its entrepreneurial potential. The event concluded with assessments that tested participants' understanding of the three-day workshop content. This immersive three-day event offered a comprehensive introduction to 3D printing, equipping participants with valuable skills, practical insights, and a glimpse into entrepreneurial opportunities in this dynamic domain.



Designathon'24

KSI YUGAM – Designathon'24 is a 24-hour Hackathon organized by the Web Development Cohort and IoT, Edge, UAV cohort during March 19 – 20, 2024 to encourage innovation and collaboration among participants, offering them the opportunity to develop inventive solutions utilizing web development and IoT technologies within a constrained time period.

The Hackathon began with the inauguration at 10:30 AM. Ms. Shaganashree (22BCS115) delivered the welcome address. Dr. Raghuvir V R gave a thought-provoking overview of the hackathon and motivated students to utilize the facilities available to groom their technical skills. The chief guest Mr. Sakthi Prasad K M, Business Development Manager, Megara Robotics Private Limited emphasized on bridging the gap between hardware and software innovations. There were 49 participants grouped into 14 teams including one external team. The participants were very enthusiastic to showcase their skills in product development. Technical mentors from the respective cohorts supported the teams during the hacking.

Designathon had three rounds of evaluation by jury from the industry. Round 1 of evaluation was done by Mr. Sakthi Prasad K M, Megara Robotics Private Limited, Mr. Mahendran, Megara Robotics Private Limited,



Inauguration of Designathon



Team Evaluation during Round 1



Technical Mentoring for Web Cohort



Students interacting during the evaluation in Round 2

Mr. K.E. Shivasailash, Front End Developer, Vanenburg, Ms. K.Monisha, Senior Software Engineer, Vanenburg and Mr. V. Srivatsan, Associate Product Lead, Vanenburg on March 4PM to 5PM. Mr.Senthil Kumar, Solution Architect, Walkerscott and Mr. Balasundaram, Bright UI Technologies assessed the participants during Round 2 of evaluation from 9PM to 10PM. The final evaluation was by Mr. Regnard Viven, Consultant, Infosys on March 20, 2024 from 9:30 AM to 10:30 AM.

The winners of Designathon'24 were Monishan (22BCS067), Aakash (22BCS004), Indrajit M (22BCS036) and Lalu M (23BCS077). The runners were Aakash A (21BIT003), Surya J (21BIT054), Vishwajith T (21BIT063) and Meganathan (23BCS089). The best performer teams were Roshan R P (21BMC036) and Swetha K (21BCS127), Kabilan (22BAU020), Damin Rido JV (22BEE014), Damin Risho JV (22BEE015) and Kishore P (23BCS074).Designathon came to an end with the valedictory on March 20, 2024 at 11:00 AM. Cash vouchers were presented to The winner, runner and best performer teams were short listed for internship interview with Megara Robotics, Wiseworks and KCIRI and were awarded with gift vouchers. Ms. Doretta Marin (20BIT012) delivered the vote of thanks.



Technical Mentoring by IoT Cohort



Mr. Reginard Viven evaluating during final round



Winners of Designathon awarded with gift voucher



Runners of Designathon awarded with gift voucher



Participants of Designathon

Towards Sustainable Development: “The Role of Professional Bodies in Shaping Undergraduate Education”

An enlightening session titled “Towards Sustainable Development: *The Role of Professional Bodies in Shaping Undergraduate Education*” was conducted on 07.05.2024. The session is aimed to empower students with insights into leveraging professional bodies for their academic and professional growth, featured presentations by distinguished speakers Dr. Ramalatha and Dr. Prashant R. Nair.

Dr. Divya Vadlamudi, Associate Director and Head of the Department of Computer Science and Information Technology (CSE & IT), set the context for the discussion, emphasizing the importance of engaging with professional bodies to stay updated with the latest advancements in technology and contribute meaningfully to societal development.



Following Dr. Divya Vadlamudi’s insightful introduction, Dr. Ramalatha took the stage to shed light on the opportunities offered by the Institute of Electrical and Electronics Engineers (IEEE). She elucidated on the benefits of IEEE membership, including access to travel grants, various societies, and platforms such as EPIC

and IEEE Collabratec. Dr. Ramalatha also motivated students to engage in societal projects under IEEE’s purview, emphasizing the importance of active participation in special interest groups for cohort activities and global networking through volunteering.

Subsequently, Dr. Prashant R. Nair, Head of IQAC & Professor in the Department of Computer Science & Engineering, and an ACM Eminent Speaker, enriched the session with his insights into the Association for Computing Machinery (ACM). He highlighted ACM’s core values and the significance of Special Interest Groups (SIGs) within ACM for the computing domain. Dr. Prashant R. Nair underscored the benefits of ACM membership, including industry recognition, access to the ACM Digital Library, research publications in ACM journals, and opportunities for ACM Awards.

A significant initiative by ACM, CSPATHSHALA – Computational Thinking in Schools, was brought to the forefront by Dr. Nair, emphasizing the importance of integrating computational thinking into school curricula. Furthermore, he highlighted the importance of participating in the International Collegiate

International Collegiate Programming Contest (ICPC) and explained the contest format to motivate students to engage in competitive programming. The session concluded with attendees feeling empowered and equipped with valuable insights into leveraging professional bodies such as IEEE and ACM to enhance their undergraduate education and contribute meaningfully to sustainable development initiatives.

In essence, the session served as a catalyst for students to actively engage with professional bodies, broaden their horizons, and embark on a journey of academic and professional growth in the ever-evolving field of technology.



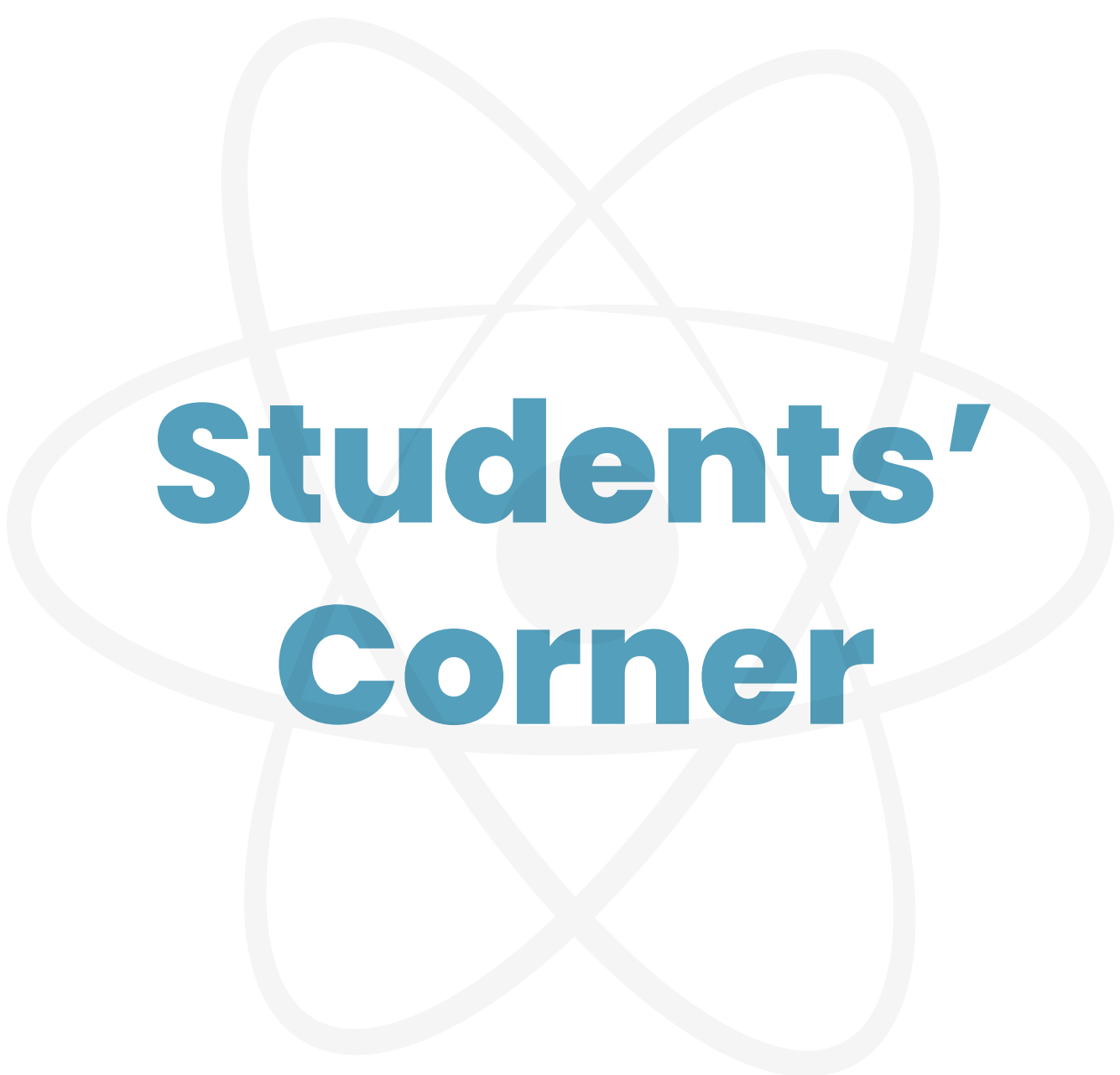
Outreach

Cyber Security awareness program

The Cyber Security cohort organized an outreach event for school students at Vivekam School 12.2.24. The session was designed to equip students with the necessary knowledge and skills to navigate the digital world safely. The overall goal was to raise awareness among students about the risks associated with clicking on pop-ups and downloading apps without proper permissions, which can result in privacy breaches. As students engage in the session, they cultivate improved habits such as maintaining secure passwords, staying updated with software patches, and exhibiting responsible conduct online. These practices collectively decrease their susceptibility to cyber threats. Additionally, they become alert to identify and address instances of cyberbullying, thus contributing to the creation of a safer digital environment. Fur-

environment. Furthermore, their heightened awareness of cyber security issues instills a sense of vigilance, prompting them to promptly report any suspicious activities or incidents they encounter.





**Students'
Corner**

Student Awards won

1. Vignesh S R (22BCS138) and S. Vigneshwaran (22BCS139) won the first prize in VISAI 2024 – Project Competition from 23.2.24 to 24.2.24 at Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology.

2. Revanth Varshan (22BCS101), Sailash Babu (22BCS105), Rithika S (22BCS103) and Rethik K V (22BCS100) won third prize in IEEE Student Branch Project Expo on 8.4.24 at St .Xavier’s Catholic College of Engineering, Nagercoil



Revanth Varshan (22BCS101), Sailash Babu (22BCS105), Rithika S (22BCS103) and Rethik K V (22BCS100) won third prize in IEEE Student Branch Project Expo

Student Participation

1. B. Sanjay (23BCS146) participated in AFOSEC Hackathon on 28.2.24 organized by Velagapudi Ramakrishna Siddartha Engineering College.

2. Vignesh S R (22BCS138) participated in Vortex 24 on 8.3.24 at NIT Trichy .

3. Shaganashree P L (22BCS115) participated in Femme Fusion on 11.3.24 organized by Women in Engineering Affinity Group of IEEE KCT Student Branch, Kumaraguru College of Technology.

4. Shaganashree P L (22BCS115) participated in Introduction to Quantum Computing on 20.3.24 organized by CSE Department, Kumaraguru College of Technology.

5. Shaganashree P L (22BCS115) participated in Codeathon on 23.3.24 during Yugam at Kumaraguru College of Technology.

6. Shaganashree P L (22BCS115) participated in Design Craft Challenge on 23.3.24 during Yugam at Kumaraguru College of Technology.

7. Shaganashree P L (22BCS115) participated in Designathon24 on 19.3.24 organized by Kumaraguru School of Innovation, Kumaraguru College of Technology.
8. B. Sanjay (23BCS146) participated in Kurukshetra Project Competition on 29.3.24 organized by College of Engineering, Guindy
9. Shaganashree P L (22BCS115) participated in Em Power Sight on 24.4.24 organized by IEEKCT Student Branch, KCT Kumaraguru College of Technology.
10. B. Sanjay (23BCS146) participated in Mechnotron 2k-24 – Hackathon and presentation on 26.4.24 organized by Coimbatore Institute of Technology.
11. Siva karthik S (22BCS120), Madhanraj P (22BCS056) and Yuvaraj E (22BCS144) participated in MVJ project Expo from 26.4.24 to 27.4.24 at MVJ College of Engineering, Bangalore.
12. Rajasekaran J B (22BCS096), participated in MVJ Hackathon on 27.4.24 at MVJ College of Engineering, Bangalore.
13. Yaswanth (23BCS191) participated in SAE Aerothon 24 from 25.2.24 to 5.6.24 organized by SAE India.
14. B. Sanjay (23BCS146) participated in Red nation 2K-24 Hackathon on 6.5.24 organized by Bannari Amman Institute of Technology.
15. Alice Sheena Fernando (23BCS015) participated in AICTE Virtual Internship on Blue Prism Intelligent Automation, organized by Eduskills Partnered with AICTE on 9.4.24.
16. Nandeewaran K (22BCS072) participated in AICTE Virtual Internship on Alteryx Data Analytics Process Automation, organized by Eduskills Partnered with AICTE on 11.4.24.
17. Velpandy C C (22BCS136) participated in AICTE Virtual Internship on Fortinet Network Security Associate Virtual Internship, organized by Eduskills Partnered with AICTE on 11.4.24.
18. Sujithra I R (22BCS127) participated in AICTE Virtual Internship on Palo Alto Cybersecurity, organized by Eduskills Partnered with AICTE on 12.4.24
19. Durga S (22BCS026) participated in AICTE Virtual Internship on Zscaler Zero Trust Cloud Security, organized by Eduskills Partnered with AICTE on 13.4.24
20. Madhankumar T (23BCS079), Tisya Chellapandian (22BCS134), Keerthana S S (22BCS052), Kalki S (22BCS042) and Sruthi K (22BCS125) participated in AICTE Virtual Internship on Google AI-ML, organized by Eduskills Partnered with AICTE on 9.4.24

21. Ametha Yazhini S K (22BCS007), Sanjeetha S (23BCS150), Sowmithra J (23BCS164), Yogasri K (23BCS193) and Sandhiya Chandra Kumar (23BCS145), participated in AICTE Virtual Internship on Google AI-ML, organized by Eduskills Partnered with AICTE on 10.4.24

22. Priyadharshini P (22BCS094), Sivaraj Kumar N (23BCS162), Sailash Babu K A K (22bcs105), Prasanna M (23BCS121), Nandhithaa T (22BCS074), Nirmalpranesh S (22BCS080), Nithin Prasath C (22BCS081), Revanth Varshan S (22BCS101), Sreevanth S V (22BCS074), Mahima S (22BCS057), Shamiha Sellamuthu (22BCS116) and Nikileshwar J (22BCS078) participated in AICTE Virtual Internship on Google AI-ML, organized by Eduskills Partnered with AICTE on 11.4.24

23. Adhithya (22BCS003), Balaji R L (22BCS015), Kavinaya B S (23BCS072), Praveena Parthiban (23BCS122), Kaveyan Saravanan (23BCS069), Parkavi S (22BCS145), Pavithran E (23BCS114), Kamalaselvi M (22BCS043) and Deepika K 22BCS020 participated in AICTE Virtual Internship on Google AI-ML, organized by Eduskills Partnered with AICTE on 12.4.24

24. Srinithi Tamilselvan (22BCS124) and Sanjaykanth M (23BCS149) participated in AICTE Virtual Internship on Google AI-ML, organized by Eduskills Partnered with AICTE on 13.4.24

25. Praveena Parthiban (23BCS149) participated in AICTE Virtual Internship on Google AI-ML, organized by Eduskills Partnered with AICTE on 13.4.24

26. Abinasha K (22BCS001), Krittika V (22BCS053) and Anisha S (22BCS008) participated in AICTE Virtual Internship on Google Android Developer, organized by Eduskills Partnered with AICTE on 9.4.24

27. Abirami M (22BCS002), and Saranya M (22BCS112) participated in AICTE Virtual Internship on Google Android Developer, organized by Eduskills Partnered with AICTE on 11.4.24

28. Asfiya Mehrunnisha (22BCS013), and Gurupriya B (22BCS032) participated in AICTE Virtual Internship on Google Android Developer, organized by Eduskills Partnered with AICTE on 12.4.24

29. Shaganashree P L (22BCS115), and Karthiga N (22BCS046) participated in AICTE Virtual Internship on Google Android Developer, organized by Eduskills Partnered with AICTE on 13.4.24

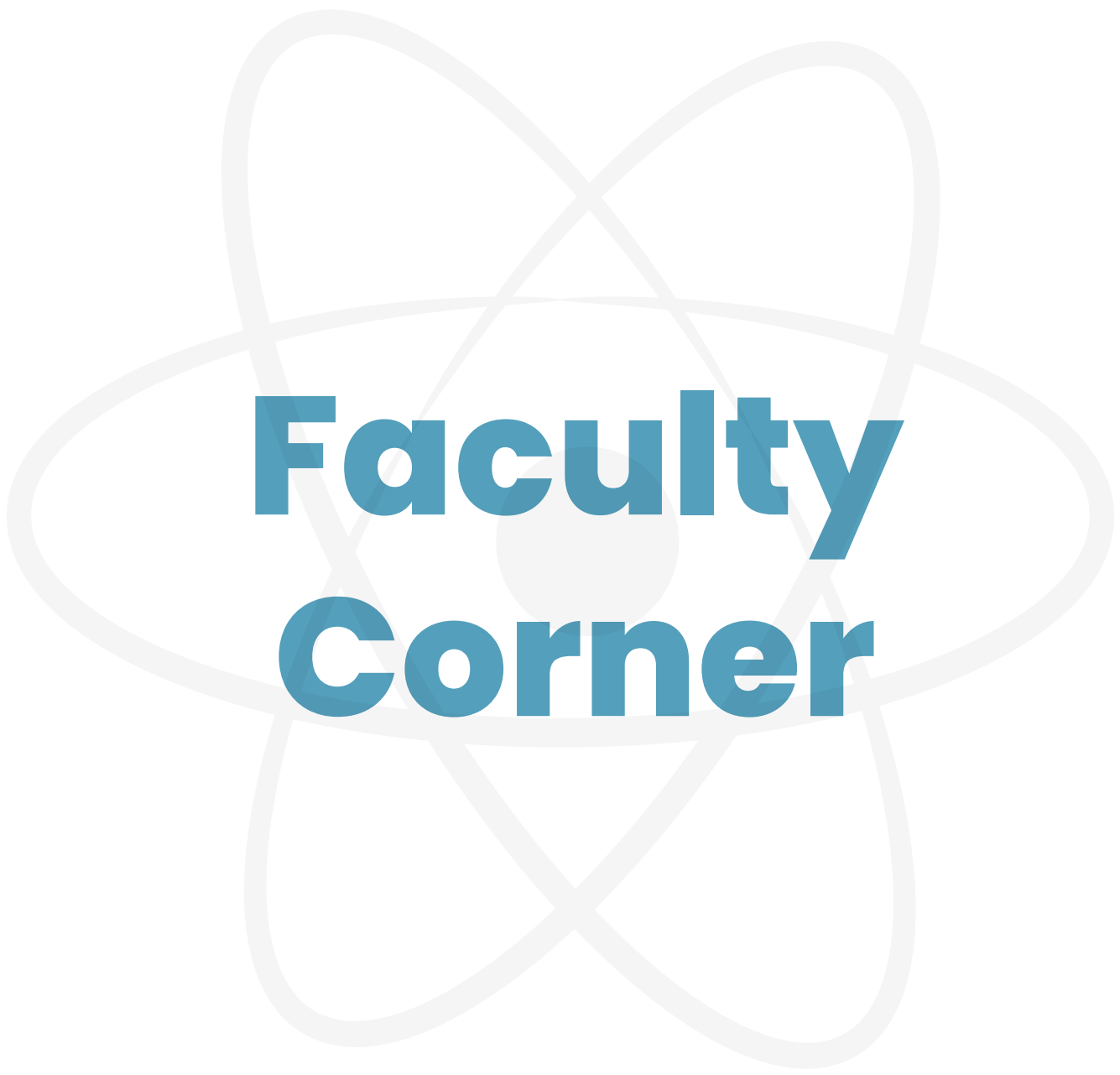
30. Gangamithra R (22BCS042) participated in AICTE Virtual Internship on Google Android Developer, organized by Eduskills Partnered with AICTE on 14.4.24

31. Sivasankar M G (22BCS122) participated in AICTE Virtual Internship on Juniper Networking Cloud, organized by Eduskills Partnered with AICTE on 14.4.24

32. Sanjay B (23BCS146) participated in AICTE Virtual Internship on Microchip Embedded System Developer, organized by Eduskills Partnered with AICTE on 9.4.24
33. Dakshan Kumar A (23BCS029) participated in AICTE Virtual Internship on Microchip Embedded System Developer, organized by Eduskills Partnered with AICTE on 20.4.24



Participants of MVJ Project Expo and Hackathon at MVJ College of Engineering, Bangalore.



**Faculty
Corner**

Publications

- Cynthia Jayapal* | Arputha Rathina Xavier | Poonguzhali Arunachalam, Capitalizing on Blockchain Technology for Efficient Crowdfunding: An Exploration of Ethereum's Smart Contracts, International Information and Engineering Technology Association (IIETA) , Page: 723-729|DOI: <https://doi.org/10.18280/ijssse.130415> (Scopus)
- Sundarrajan, K., Rajendran, B. Explainable efficient and optimized feature fusion network for surface defect detection. Int J Adv Manuf Technol (2023). <https://doi.org/10.1007/s00170-023-11789-0>(SCI)
- S. Kavitha; K.R. Baskaran; B. Dhanapriya, Explainable AI for Detecting Fissures on Concrete Surfaces Using Transfer Learning. 2023 International Conference on Inventive Computation Technologies (ICICT), IEEE, DOI: 10.1109/ICICT57646.2023.10134145(SCI,Scopus)
- Baskaran Kuttuva Rajendran, Sathyavathi Sundarasamy, Age and gender classification with bone images using deep learning algorithms, Indonesian Journal of Electrical Engineering and Computer Science, DOI: <http://doi.org/10.11591/ijeecs.v31.i1.pp359-368>(SCI, Scopus)
- WHO-YOLO NET: soil prediction and classification based on YOLOV3 with whale optimization, Signal, Image and Video Processing (2024) 18:3495-3507(Annexure 1)(scopus&scie)
- Bharathi Priya, C., Arulanand, N , Enhancing Medium Term Wind Power Forecasting Accuracy With Dual Stage Attention Based TCN-GRU Model and White Shark Optimization, Electric Power Components and System s, 2024, ISSN 15325008, DOI 10.1080/15325008.2024.2348039 (Science Citation Index Expanded and Scopus.)
- Bharathi Priya, C., Arulanand, N , Enhancing Medium Term Wind Power Forecasting Accuracy With Dual Stage Attention Based TCN-GRU Model and White Shark Optimization, Electric Power Components and System s, 2024, ISSN 15325008, DOI 10.1080/15325008.2024.2348039 (Science Citation Index Expanded and Scopus.)
- C.Bharathi Priya, N.Arulanand, N.Rangaraj A. G., & Boopathi, K. (2024). "Design Of Prediction Intervals Using LUBE Transformer Framework With Multi-objective Optimisation for Wind Power Forecasting", Journal of Environmental Protection and Ecology (Vol. 25, Issue 1, pp. 268-283). (Annexture -I) (SCIE& Scopus)
- Nithya Roopa ,P. Anandababu, Sibi Amaran, Rajesh Verma , Metaheuristic secure Clustering Scheme for Energy Harvesting Wireless Sensor Networks, Computer Systems Science and Engineering DOI: 10.32604/csse.2023.029133 ,Tech Science Press(scopus&scie)

- Nitya Roopa S, Swetha S Marine Debris in Ocean Sub-Surface Using Deep Visual Models IJSART may 2024 volume 5 ISSN 2395-1052(Journal)
- Nitya Roopa S, Sweatha S, An Innovative Deep Learning Approach for Detecting marine Oil Spills in Satellite Synthetic Aperture Radar Imagery, IJSART volume 10 Issue 5 -May 2024 ISSN : 2395-1052(Journal)
- V. Senthilkumar; P. Saranya; B Kezia Rani; Srinivasan P; Ramu Kuchipudi; Md. Abul Ala Walid, Deep Unified Model for Face Recognition based on Convolution Neural Network and Edge Computing , 2023 8th International Conference on Communication and Electronics Systems (ICCES), DOI: 10.1109/ICCES57224.2023.10192630(Scopus)
- G. Kanagaraj; T. Primya; M. Prabhavathy; P. Saranya; V. Senthilkumar, Stroke prediction using ML and IOT based wearable device, AIP Conf. Proc. 2914, 050021 (2023), <https://doi.org/10.1063/5.0176842>(Scopus)
- Gokul Rangasamy; Primya T; Gurupriya Kumar; Harinath Sivakumar; Kanagaraj G, Phishion: Phishing Detection Application, 2024 Second International Conference on Emerging Trends in Information Technology and Engineering (ICETITE), 22-23 Feb. 2024 DOI: 10.1109/ic-ETITE58242.2024(Scopus)
- Jeba, N , Terence, S. , Nadarajan, J. , Systematic Review on Internet of Things in Smart Livestock Management Systems. Sustainability may 2024, 16(10), 4073; <https://doi.org/10.3390/su16104073>(SCIE,Scopus,wos)
- Chandrakala, D. Pradeepa, P. Meyyammai, M. Mohamed, Aakil, S. (2023, August). Personality Trait-Aware Educational Suggestion Platform. International Journal of Computer Applications. 185(29), 46-54. .(WoS)
- Chandrakala D., Christen Loyola, Kishore P, Jerin Thomas, Underwater Marine Animal Classification using a Convolution Neural Network, international Journal of Computer Applications (May 2024), Volume 186 – No. 22, Pg no. 31- 36, 0975 -8887.(WoS)
- Sudharson, D., Thrisha Vaishnavi, K.S., Hariprakassh, S., .Saranya, K., Tanwar, P.," An Abstractive Summarization and Conversation Bot using T5 and its Variants",2023 International Conference on Advances in Computation, Communication and Information Technology, ICAICIT 2023, 2023, pp. 432-437(Scopus)

- Sudharson, D., Divya, P., Saranya, K., Vijay, S., Mayuri, G., "A Novel AI Framework for Assuring Data Sustainability in Health Care Dataset" Proceedings - 2023 3rd International Conference on Ubiquitous Computing and Intelligent Information Systems, ICUIS 2023, 2023, pp. 161–166(scopus)

Book Chapter

- Latha L. , Feature selection and classification models of intrusion detection systems -a review on industrial critical infrastructure perspective, Book, ISBN 978-981522328-6, 978-981522329-3, DOI 10.2174/9789815223286124010010 , Bentham Science Publishers ,May 2024
- Vanitha, V., Rajathi, N., Kalaiselvi, R., Sumathi, V.P., Implementation of Deep Learning Models for Real-Time Face Mask Detection System Using Raspberry Pi, Communications in Computer and Information Science, 2023, ISSN 18650929, DOI 10.1007/978-3-031-28183-9_21(Scopus)
- Antony Xavier, Francis Jency ,A Heterogeneous Graph-Based E health solution in cloud computing with semi-supervision during pandemic periods, Apple Academic Press
- Nithya, S., Palanisamy, S.K., Obaid, A.J., Apinaya Prethi, K.N., Alkhafaji, M.A, AI-Based Secure Software-Defined Controller to Assist Alzheimer's Patients in Their Daily Routines, Smart Innovation, Systems and Technologies, 2023, ISSN 21903018 ISBN 978-981996705-6 DOI 10.1007/978-981-99-6706-3_38
Conference publications
- Cynthia Jayapal; Devadharshini R; Praniis R; Nishanth B, Enhancing Fleet Operations with a Vehicle Route Management Solution, 2023 2nd International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation (ICAECA), DOI: 10.1109/ICAECA56562.2023.10199496(Scopus)
- Cynthia Jayapal; Arunmadhavan Evr; G. Adithya; Raajakishore R; Amudhan S M, Certificate Authenticity Verification Using Hashgraph, 2023 2nd International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation (ICAECA) DOI: 10.1109/ICAECA56562.2023.10200079(Scopus)
- Cynthia Jayapal; Janani M; Navin Rohith S, An insight into NFTs, Stablecoins and DEXs in Blockchain, 2023 2nd International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation (ICAECA), DOI: 10.1109/ICAECA56562.2023.10200121(Scopus)
- Nikitha K B; Nalin N S; Bala Vignesh Surulikumar; Kalaiselvi R; Baskaran K R,

, E-auction using Blockchain Mechanism, 2023 2nd International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation (ICAECA), DOI: 10.1109/ICAECA56562.2023.10200208(Scopus)

- Nithya, S., Apinayaprethi, K.N. , Significance of knowledge graph in SMART learning, 2nd International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation, ICAECA 2023, ISBN 979-835030681-1, DOI 10.1109/ICAECA56562.2023.10200739(Scopus)

- Rajini S; Hari Prasad B; Upendra Singh A, Alumni Management and Networking System. 2023 2023 2nd International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation (ICAECA), IEEE, DOI: 10.1109/ICAECA56562.2023.10200060 ISBN:979-8-3503-0682-8. (Scopus)

- Devasenan Murugan; Rajendiran Shivaramakrishnan; Bharathi Priya C; Yamunathangam D, Natural Gas Price Forecasting using Statistical Models and Deep Learning Models (2023), 2nd International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation (ICAECA), Coimbatore, India, 2023, IEEE, DOI: 10.1109/ICAECA56562.2023.10201048(Scopus)

- Saranya, K., Sudharson, D., Aathmika, M., Shakthi, V.S., Shree, A.S., " Twitter Based Complaint Management System for Rail Transit" 2nd International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation, ICAECA 2023, 2023(Scopus)

- Saranya, K., Sudharson, D., Gokila, N.M., Lakshmi Priya, S.R., Suriyavathi, K.A.K., " Emotion Recognition using EEG Signal Classification of seed Dataset" 2nd International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation, ICAECA 2023, 2023(Scopus)

- S.Nithya; K N Apinayaprethi, Content delivery network optimization & analysis using amazon web services , 2023 2nd

- Nithya, S., Apinayaprethi, K.N. , Significance of knowledge graph in SMART learning, 2nd International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation, ICAECA 2023, ISBN 979-835030681-1, DOI 10.1109/ICAECA56562.2023.10200739(Scopus)



Internship Records

S.No	ROLL NUMBER	NAME	NAME OF COMPANY	START DATE	END DATE	Duration	STIPEND(in Rs)
1.	20BCS001	Abhay Mohan	Hewlett Packard Enterprise , Bengaluru	2/19/2024	8/19/2024	6	40,000
2.	20BCS002	Abhilash R	Deliverain Technologies Pvt Ltd, Bengaluru	3/1/2024	6/30/2024	3	10,000
3.	20BCS005	Aishwarya E	Ford Motor Pvt Ltd, Chennai	1/4/2024	7/14/2024	6	15,000
4.	20BCS006	Ajay Sundar Rajkumar	Ford Motor Pvt Ltd, Chennai	1/18/2024	7/21/2024	6	15,000
5.	20BCS020	Bharath S	Quantiphi,Trivndrum	2/19/2024	8/19/2024	6	10,000
6.	20BCS023	Darshan R	TalentServe,	3/29/2024	9/29/2024	6	10,000
7.	20BCS025	Devasenan M	Hyperverge Technologies Pvt Ltd, Bengaluru	1/2/2024	7/2/2024	6	35,000
8.	20BCS026	Dhanushkumar S G	AppviewX Pvt Ltd, Coimbatore	1/22/2024	7/22/2024	6	28,000
9.	20BCS032	Gokul M	Zoho Corporation,Coimbatore	2/13/2024	8/13/2024	6	23,000
10.	20BCS038	Harsh Choudhary	Transunion Global Technology Center,Pune	2/5/2024	6/5/2024	4	25,000
11.	20BCS040	Harshavardhan S V	Ford Motor Pvt Ltd, Chennai	1/4/2024	7/14/2024	6	15,000
12.	20BCS044	John Ebin M	Digitap.ai Enterprise Solutions Pvt Ltd, Bangalore	1/18/2024	6/18/2024	5	15,000
13.	20BCS047	Kanisha P P	Rapyuta Robotic Pvt Ltd, Chennai	3/6/2024	9/6/2024	6	50000
14.	20BCS055	Khavya S	Transunion Global Technology Center,Pune	2/5/2024	6/5/2024	4	25,000
15.	20BCS058	Latha M	Transunion Global Technology Center,Pune	2/5/2024	6/5/2024	4	25,000
16.	20BCS059	Mahin Prakash	Roche Products India Pvt Ltd, Mumbai	1/4/2024	6/30/2024	5	20,000
17.	20BCS063	Nandana S P	Fyle Technolgies Pvt Ltd, Bengaluru	2/12/2024	8/12/2024	6	35,000
18.	20BCS066	Nityanand Vijayaditya	Hewlett Packard Enterprise , Bengaluru	2/19/2024	8/19/2024	6	40,000
19.	20BCS074	Rajsre A	Incture Technologies Pvt Ltd, Bengaluru	1/22/2024	7/22/2024	6	10,000
20.	20BCS077	Rithani Silambu K N	Ford Motor Pvt Ltd, Chennai	1/4/2024	7/14/2024	6	15,000
21.	20BCS083	Samyuktha Rajesh	Hewlett Packard Enterprise , Bengaluru	2/26/2024	8/26/2024	6	40,000
22.	20BCS091	Sneha T	Esko-Graphics India Pvt Ltd, Bengaluru	1/8/2024	6/30/2024	5	25000
23.	21BCS073	MOSES JOHN WESLEY J .	Roche Products India Pvt Limited, Mumbai	1/4/2024	6/30/2025	18	20,000
24.	21BCS077	Mythili Sekar Sriram	Roche Products India Pvt Limited, Mumbai	1/4/2024	6/30/2025	18	20,000



Placement Records

STUDENTS PLACED IN 2020 – 2024 BATCH

S.No	ROLL	Name	Name of the concern in which the student was placed	Salary Package Per Annum
1.	20BCS001	Abhay M	HPE	17.5
2.	20BCS002	Abhilash R	Deliverain	3.6
3.	20BCS005	Aishwarya E	Ford	6
4.	20BCS006	Ajay Sundar Rajkumar	Ford	6
5.	20BCS009	Amitha Das C	e2open	8
6.	20BCS010	Anas S	Talent serve	7.5
7.	20BCS011	Anuragav R	TVS Motor	8
8.	20BCS012	Anusuya S	Zalaris	7
9.	20BCS013	Archana M	Talent serve	7.5
10.	20BCS014	Ashmita A	e2open	8
11.	20BCS020	Bharath S	Quantiphi	6
12.	20BCS021	Bharath S	Smart ED technologies	3
13.	20BCS023	Darshan R	Lmindtree	4
14.	20BCS024	Deepthi A S	Zalaris	7
15.	20BCS026	Dhanushkumar S G	Appviewx	12
16.	20BCS027	Dhanya.S.S	Tekmedia	9.25
17.	20BCS028	Dharunika Namagiri B V	ERP Roots	6
18.	20BCS029	Dhinakaran S B	Iamneo	3
19.	20BCS030	Dhyanesh M	Zoho	7
20.	20BCS032	Gokul M	Zoho	7
21.	20BCS033	Hari Gokul.B	Tiger analytics	7.5
22.	20BCS037	Harishini S	Tiger analytics	7.5
23.	20BCS038	Harsh Choudhary	Transunion	8
24.	20BCS040	Harshavardhan S V	Ford	6
25.	20BCS044	John Ebin M	Digitap	5
26.	20BCS046	Kamal Prasath T	Maple labs(xoriant solutions)	5.5
27.	20BCS047	Kanishsha P P	Rapyuta robotics	12
28.	20BCS050	Karthikeyan K	Clar technologies	6.5
29.	20BCS051	Karthikeyan R	Ford	6
30.	20BCS052	Kashika M	Musigma	5
31.	20BCS053	Kavimani S	UST Global	4.25
32.	20BCS054	Keerthika S	Musigma	5
33.	20BCS055	Khavya S	Transunion	8
34.	20BCS056	Kiran Kumar L	Qspiders	2.5
35.	20BCS057	Kishore P	Wizgrad	3
36.	20BCS058	Latha M H	Transunion	8
37.	20BCS059	Mahin Prakash	Roche	5
38.	20BCS060	Mohammed Zaman Abdullah K	Capgemini(Software)	4.25

S.No	ROLL	Name	Name of the concern in which the student was placed	Salary Package- Per Annum
39.	20BCS061	Mukdha Sivani R	Corizo	6.5
40.	20BCS062	Murugaprasad G K	Thinkinnov solution	4.5
41.	20BCS063	Nandana S P	Zoho	7
42.	20BCS064	Narendrasubramaniam S	JayJay mills	2.4
43.	20BCS066	Vijayaditya N	HPE	17.5
44.	20BCS068	Pranav Magesh.K.M	Talent serve	7.5
45.	20BCS071	Priyanka N	e2open	8
46.	20BCS072	Pugalarasan M	e2open	8
47.	20BCS073	Puja Shri Sk	Clar technologies	6.5
48.	20BCS074	Rajsre A	Incture	7
49.	20BCS077	Rithani Silambu K N	Tiger analytics	7.5
50.	20BCS078	Rokith Kumar.R	Talent serve	12
51.	20BCS079	Rubhini P	Rently	8
52.	20BCS081	Saifullah N	Hyperverge	12
53.	20BCS083	Samyuktha Rajesh	HPE	17.5
54.	20BCS084	Sanjay R	Talent serve	12
55.	20BCS085	Santhosh Sj	Desk365	6.5
56.	20BCS086	Saranya V	Deloitte	4.12
57.	20BCS087	Shankaranaarayanan D T	Zoho	7
58.	20BCS090	Sindhanai Sirpy S	Mallow technologies	4.2
59.	20BCS091	Sneha.T	Esko graphics	7.58
60.	20BCS094	Subbiksha Ds	Talent serve	7.5
61.	20BCS095	Subbu Lakshmi Sruthi M S R	FYLE	9
62.	20BCS096	Subiksha Devadharshni S	Tiger analytics	7.5
63.	20BCS097	Sudharsan R	Deloitte	4.25
64.	20BCS100	Suryaprakash P	Hyperverge	12
65.	20BCS103	Thamarai Naresh	JayJay mills	2.4
66.	20BCS105	Thivya Pu	Accenture	4.5
67.	20BCS106	Thusneem Banu A	e2open	8
68.	20BCS108	Vasanth D	Talent serve	8.5
69.	20BCS109	Vibin T	Skillforge	4.36
70.	20BCS110	Vignesh A J	Talent serve	5.5
71.	20BCS111	Vimal Kumar.S	Deloitte	7.5
72.	20BCS112	Vishaalini Rm	Schlumberger(slb)	8.3
73.	20BCS113	Vishnu Jayanth . S	Musigma	5
74.	20BCS201	Harish A	Netcon	3.5
75.	20BCS203	A.Madhu pratika	Talent serve	12
76.	20BCS205	Mohamed Imthiyas M	Talent serve	7.5
77.	20Bcs208	Ritheesh Aj	Skillforge	4.36

S.No	ROLL	Name	Name of the concern in which the student was placed	Salary Package-Per Annum
76.	20BCS205	Mohamed Imthiyas M	Talent serve	7.5
77.	20Bcs208	Ritheesh Aj	Skillforge	4.36
78.	20BCS209	Sanjaykumar K	Talent serve	8.5
79.	20BCS212	Suman K	Avasoft	5
80.	20BCS214	Yeswanthraj K	Zalaris	7
81.	20BCS215	S.Yugesh	Talent serve	12
82.	20BCS065	K.Nithya	Kalvium	5
83.	20BCS007	Akshathaa A S	Directshift	5.1
84.	20BCS036	Hariprasad.N.M	Green horn wellness(Eloelo)	8.5
85.	20BCS099	Suryaprakash.S	Payoda	4

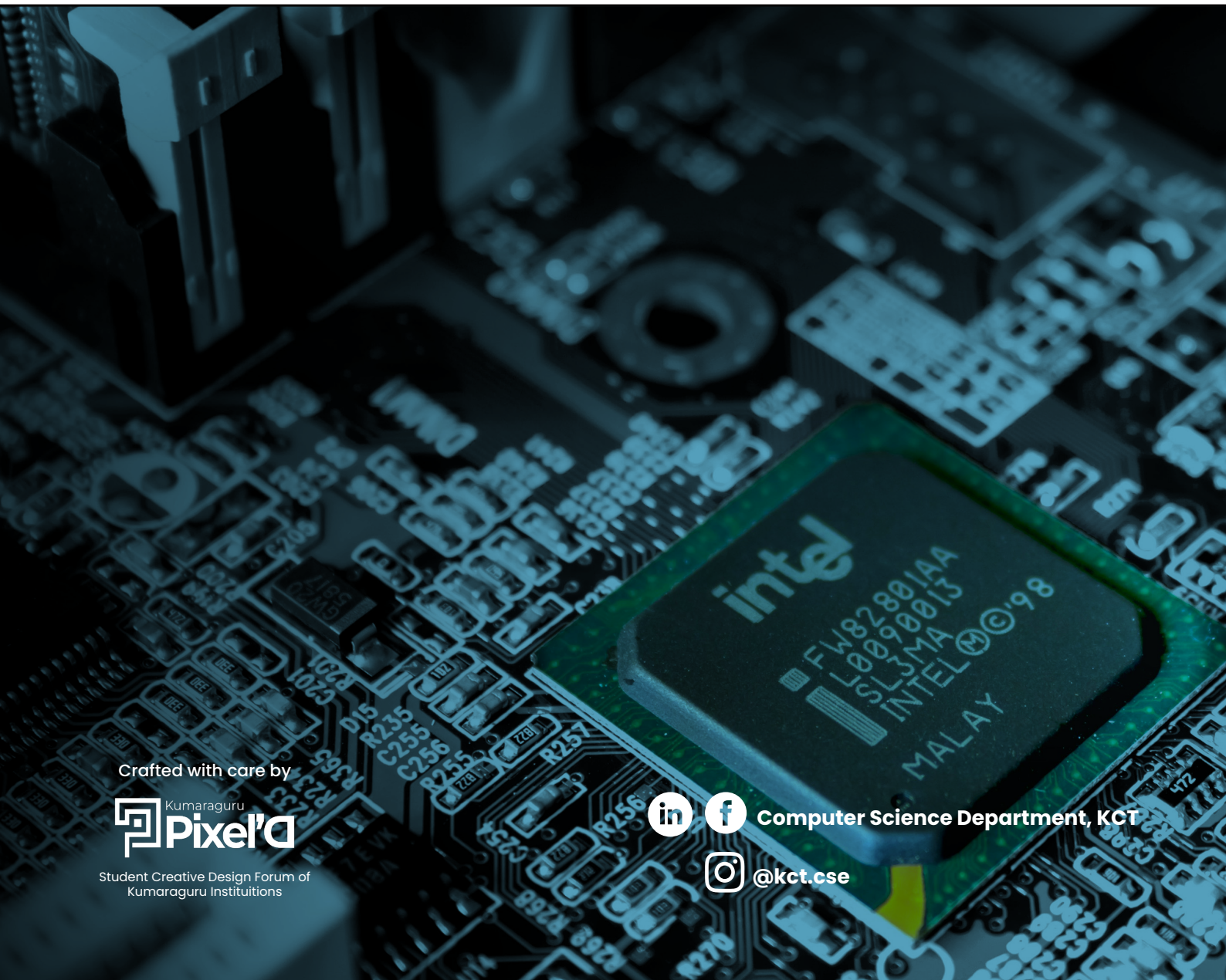


Entrepreneur Journey

From nothing; To something; To everything; Life escalated right after 10th grade, didn't it ? Covid, a prolonged pandemic now seems like it passed away within a blink of an eye. However, it seemed to be the favourite time of many. It shaped people and everyone evolved out of it as their completely transformed self. Back then, Bala, quiet yet chatty to those he knew well, was in 11th grade with a normal routine. With a passion for gaming, Covid gave him ample time to be spent with his PS4 and stream game plays on twitch; As a twitch streamer, he enjoyed talking with international players and streamers and slowly came out of his bubble. As he entered college, his craze for sneakers and starting a business of his own uprooted. Dreaming of building a brand ain't no cake walk. CACTUS CULTURE, a reselling platform primarily set up to flip hype sneakers , now has a versatile inventory showcasing collectable toys, luxury watches, apparel and rugs. Kicked off through an Instagram page, this overnight affair uprooted his holy grail for the man behind this, Bala Arunachalam, a year 2 Computer Science student at KCT. He believes that, being idle gets you nowhere. However crazy your idea might be, it's always worth a shot.

The myth that managing businesses affects your education is well broken by him for he states that education favours all your passions if you know to value it and balance it well. Having envisioned a small side hustle, the progress Cactus Culture has made today, the product range , the connections , the network and shipments all across India, nothing was planned on Day 1. All he had was a name , Cactus Culture. Interview and writing by Amrine Ayesha.N CACTUS CULTURE Out from kindergarten, 10th boards to bio maths and 12th boards to engineering, with a cameo by covid , it all sailed by following the customary path. Stepping into KCT , in 2022, the customary path soon transformed into a journey like Robert Frost's road not taken. Entrepreneurship met engineering student Bala Arunachalam Rajmohan as he slowly began working on CACTUS CULTURE, a reselling platform for primarily hype sneakers and other lifestyle products. All he had was a mere idea to start a business, and he did not wait any longer. The Instagram page was an overnight affair that kicked off his holy grail realm. The progress it has made today, the product range , the connections , the network and shipments all across India , nothing was planned on that night. All he had was a name , Cactus Culture. Today, cactus culture has become his identity.

Arunachalam Rajmohan
22BCS014



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Computer Science Department, KCT



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