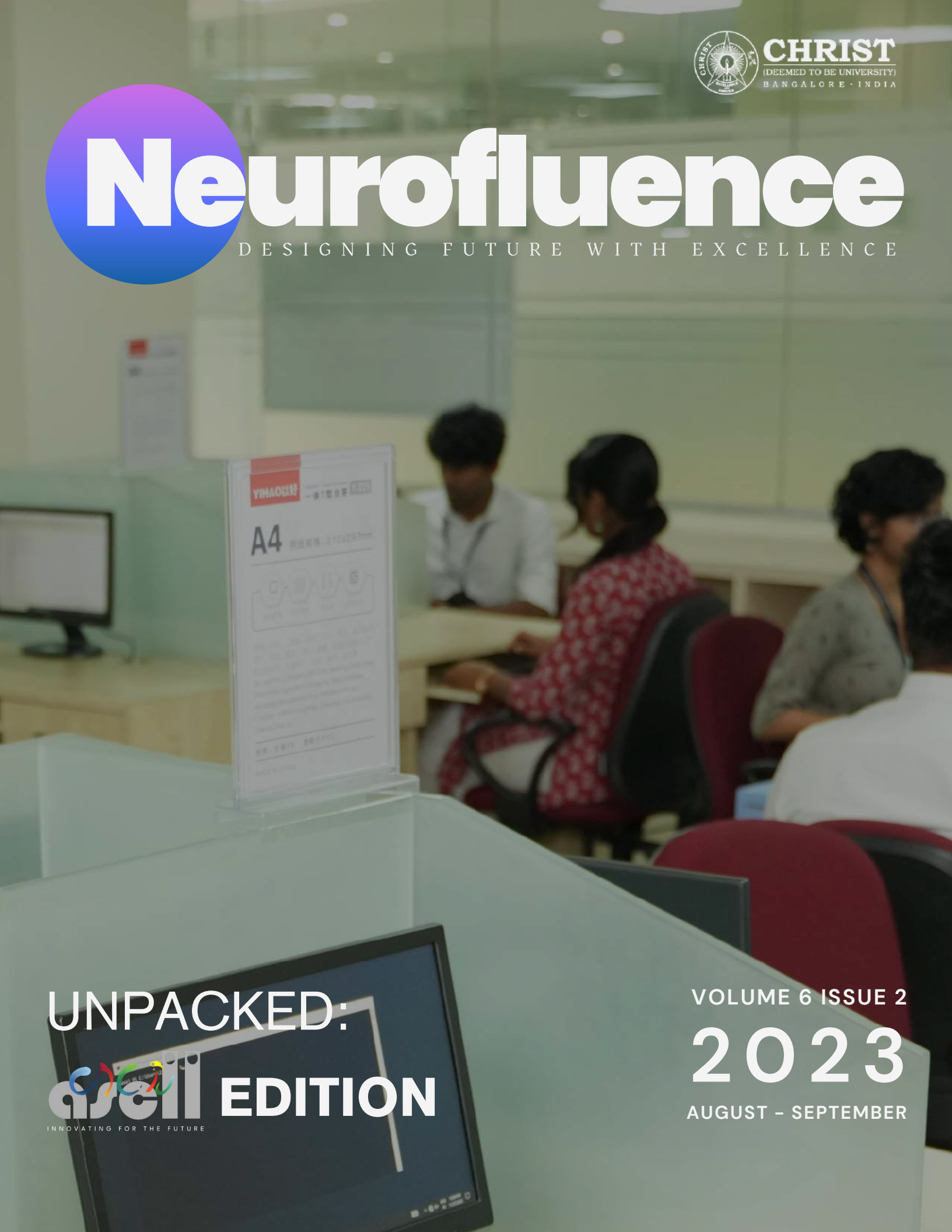
CHRIST
(DEEMED TO BE UNIVERSITY)
BANGALORE · INDIA

Neurofluence

DESIGNING FUTURE WITH EXCELLENCE



UNPACKED:

ASCII EDITION

INNOVATING FOR THE FUTURE

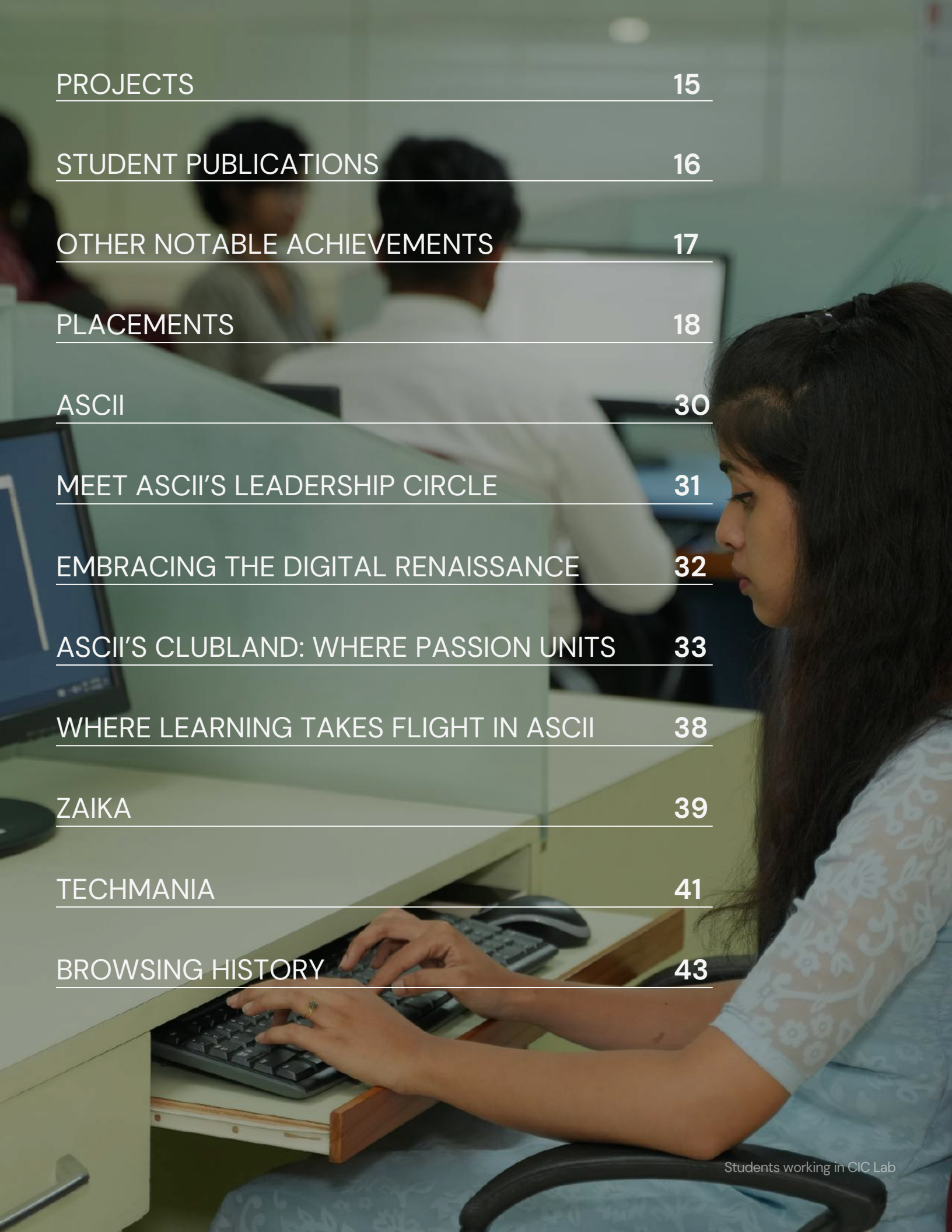
VOLUME 6 ISSUE 2

2023

AUGUST - SEPTEMBER

CONTENTS

Image from ASCII Inauguration



Students working in CIC Lab

DEPARTMENT OF CSE

VISION

To Fortify Ethical Computational Excellence.

MISSION

Imparts core and contemporary knowledge in the areas of Computation and Information Technology.

Promotes the culture of research and facilitates higher studies.

Acquaints the students with the latest industrial practices, team building and entrepreneurship.

Sensitizes the students to serve for environmental, social & ethical needs of society through lifelong learning.

Lighting of the lamp at ASCII Inauguration

PROGRAMMES OFFERED

Undergraduate Programs (B.Tech.)

BTech - Computer Science and Engineering
BTech - Information Technology
BTech - Computer Science and Engineering (Data Science)
BTech - Computer Science and Engineering (IoT)
BTech - Computer Science and Engineering (AI & ML)

Honors

Honors in Artificial Intelligence
Honors in Data Analytics
Honors in Cyber Security

Minors

Minors in Artificial Intelligence

Postgraduate Programs

MTech - Computer Science and Engineering
MTech - Data Science

Doctoral Programs (PhD)

PhD - Computer Science and Engineering
PhD - Information Technology

MESSAGE FROM HOD

"The Department of Computer Science and Engineering (CSE) is a centre of excellence providing comprehensive technical knowledge and inspiring students in innovation and research"

The Department of Computer Science and Engineering has created an intensive teaching and learning experience through industry driven curriculum. The department strives hard to inculcate among students a passion for innovation through research and product development in niche areas of Data science, Artificial Intelligence, Computer Vision, Internet of Things and Network Security. The department indulges in creating workable solutions for issues faced by society through Service-Learning modules. At present, the department has 58 faculty with doctorate degree and 10 faculty members on the verge of completing PhD in various verticals of CSE. The vision of achieving excellence through service is the key factor that unites the department.

Dr Mary Anita EA
hod.cse@christuniversity.in

LETTER FROM THE EDITOR

The Department of Computer Science and Engineering is thrilled to announce the release of the sixth volume, issue two, of its official newsletter, "Neurofluence," for the academic year 2023-24. This edition will unpack ASCII, the department's student association, faculty publications, successful placements, and other noteworthy departmental activities. Readers can anticipate a deep dive into cutting-edge topics, providing technical insights that align with the current market demands and showcasing the academic excellence and research contributions of the department's esteemed faculty.

"Neurofluence" stands out by weaving together technical depth and departmental vibrancy uniquely. In this issue, the spotlight on faculty publications and student achievements will offer readers a glimpse into the dynamic landscape of computer science and engineering, making it a compelling read for students, faculty, and industry professionals alike.

EVENTS

On the 19th of August, 2023, there was an introduction to ASCII featuring the office bearers and club heads for the 2023-24 academic year. Mr. Divyendu Mishra, an alumnus, delivered a compelling guest talk on the significance of data, shedding light on its pivotal role in today's world. Mr. Akshat Karnwal, an alumnus, also took the stage for another guest talk, sharing valuable insights on various career paths and further enriching the knowledge and perspectives of the attendees.

On September 04 and 05,2023, the Department of CSE, in partnership with AICTE, held the 4th Congress on Intelligent Systems (CIS 2023), supported by the Soft Computing Research Society. Dr. Isha Gupta from IIIT in Bangalore and Prof. Lalit Garg from the University of Malta in Italy were keynote speakers. A wide range of attendees gave paper presentations in several sessions across the two days of the conference. The individuals who participated in the online sessions were from various nations.

FUTUREPROOFING INDIA:

THE ARDC CYBERSECURITY SUMMIT IMPERATIVE

The ARDC Cybersecurity Summit 2023, held on August 31st and September 1st at CHRIST (Deemed to be University), Kengeri Campus, brought together eminent scholars, cyber security officers, IPS officials, and academicians for an engaging and informative series of sessions on pressing cybersecurity issues. The summit explored topics like cyber terrorism, data threats, the role of technology in traffic management, cyber bullying, identity theft, ransom ware, and the complexities of defending against cyber attacks. Emphasizing the importance of collaboration, innovative solutions, and stronger legal frameworks, the event also highlighted India's potential to become a leader in the field and promoted a culture of awareness and preparedness through a hackathon. Shri Thaawar Chand Gehlot, Hon'ble Governor of Karnataka, stressed the significance of cybersecurity in addressing cybercrimes and commended the efforts of CHRIST (Deemed to be University) in advancing research in digital forensics and cybersecurity.

Departmental Event



AI Workshop for Psychology on September 14, 2023, attended by 3rd-semester Psychology students with resource persons Dr Rekha V, Dr Aruna S K, and Dr Jenefa J.

Placement Training

September 25, 2023, to October 4, 2023, for all 7th-semester students, in collaboration with Seventh Sense Technology.

Penetration Testing Workshop

The Penetration Testing Workshop was part of the India Cyber Security Summit 2023, with Mr. Santhosh Kumar as the trainer.

ALUMNI INTERACTIONS

ALUMNI TECH TALK SERIES

"Returning to campus felt like coming home; sharing insights with juniors was a humbling reminder of where it all began." - Chris S Peter

On September 1st, 2023, Chris Peter, a Christ Alumni and former Club head of ASCII's Web Development Club, conducted an Alumni Tech Talk on the React Framework. During the session, Chris elaborated on the significance of React and elucidated its fundamental concepts using relevant examples. The students were enthusiastic while attending the session and acquired valuable insights.

Guest Alumnus: Chris S Peter (BTech in CSE, Batch of 2021)

The second instalment of the Alumni Tech Talk series concentrated on server-side and backend development. It featured Basil Benedict Victor, an alumnus of Christ University and former head of the Web Development Club, as the presenter. The session delved into server-side backend development and covered website deployment. Students had the opportunity for a hands-on experience with these technologies during the session, which took place on September 15, 2023.

Guest Alumnus: Basil Benedict Victor (BTech in CSE, Batch of 2022)

INDUSTRY VISITS

VISIT TO CDAC

On August 10th, 2023, 34 enthusiastic 3BTCSIOT & 3BTCSIT students embarked on a fascinating journey to CDAC, Bangalore, immersing themselves in advanced computing and cybersecurity. From 12:30 pm to 4:20 pm, they delved into supercomputing advancements with PARAM, gained insights into High-Performance Computing and Grid computing, and even witnessed a live demonstration of ethical hacking principles.

Beyond the tech itself, CDAC opened doors to future possibilities. Presentations showcased cybersecurity career paths introduced enticing fellowship programs and skill-building courses, and sparked the students' imaginations with project ideas. This valuable trip inspired them to pursue further learning and equip themselves for promising careers in the tech domain.

IMMERSED IN INNOVATION:

320+ STUDENTS EXPLORE FUTURE OF TECH AT MINRO IIITB

Over 320 students from diverse branches like CSE, CSAIML, CSDS, CSIOT and CSIT embarked on a three-day journey of discovery at IIIT Bangalore's MINRO Center from July 18th to 21st, 2023. Immersed in the world of cutting-edge machine intelligence and robotics advancements, they witnessed firsthand the transformative potential of these technologies.

Through insightful presentations, interactive demonstrations, and engaging discussions with researchers and experts, the students gained a multifaceted understanding of how machine intelligence and robotics are shaping the future. From healthcare and education to agriculture and manufacturing, they explored the diverse applications of these technologies and their impact on society.

The visit particularly highlighted the MINRO Center's dedication to real-world solutions. Witnessing practical applications like assistive robots and intelligent healthcare systems brought the students face-to-face with the tangible benefits of these technologies. This ignited their curiosity and sparked interest in exploring how they can contribute to future innovations in this dynamic field.

> **"It was an exciting journey into the universe of robots and machine intelligence, where each moment taught us something new and fueled our curiosity about what was to come." - Augadh Verma.**

FACULTY PUBLICATIONS

Efficient Cloud Load Balancing through Hybrid Harris Hawks Optimization and Cuckoo Search Algorithm

Pani, Alok Kumar, M. Manohar, Thomas Merin, and Pankaj Kumar. "An efficient load balancing in cloud computing using hybrid Harris hawks optimization and cuckoo search algorithm." International Journal of Advanced Technology and Engineering Exploration 10, no. 105 (2023): 1050.

Secure IBS Scheme for Vehicular Ad Hoc Networks

Jenefa, J., Sajini, S., Anita, E.A.M. (2023). Secure IBS Scheme for Vehicular Ad Hoc Networks. In: Reddy, V.S., Prasad, V.K., Wang, J., Reddy, K.T.V. (eds) Soft Computing and Signal Processing. ICSCSP 2022. Smart Innovation, Systems and Technologies, vol 313. Springer, Singapore. https://doi.org/10.1007/978-981-19-8669-7_51

A Hybrid Approach Against Black Hole Attackers Using Dynamic Threshold Value and Node Credibility

S. Lakshmi, E. A. M. Anita and J. Jenefa, "A Hybrid Approach Against Black Hole Attackers Using Dynamic Threshold Value and Node Credibility," in IEEE Access, vol. 11, pp. 91595-91603, 2023, doi: 10.1109/ACCESS.2023.3307394.

Enhancing Sustainable Urban Energy Management via Short-Term Wind Power Forecasting Using LSTM Neural Network

Karthick, K., S. Aruna, S. Ravivarman, Mejdl Safran, Sultan Alfarhood, and Waleed Al-Rajhi. 2023. "Enhancing Sustainable Urban Energy Management through Short-Term Wind Power Forecasting Using LSTM Neural Network." Sustainability 15 (18): 13424. https://doi.org/10.3390/su151813424.

Medical ultrasound image segmentation using Multi-Residual U-Net architecture

Shereena, V. B., and G. Raju. 2023. "Medical Ultrasound Image Segmentation Using Multi-Residual U-Net Architecture." Multimedia Tools and Applications, August. https://doi.org/10.1007/s11042-023-16461-z.

PUBLISHED COPYRIGHTS

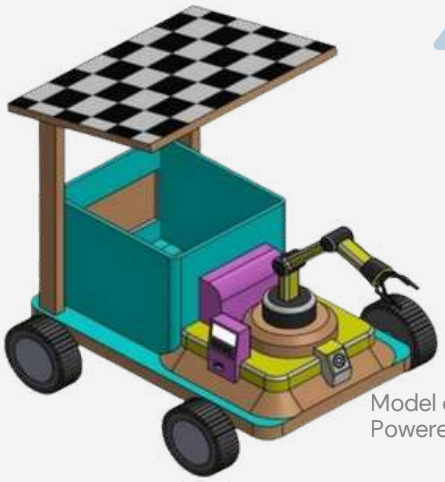
DROPIT - an all-in-one Cloud Storage Application

This literary/dramatic work, "DROPIT," is a comprehensive cloud storage application encompassing all necessary features for efficient file management. The authors, Michael Moses T, Eby Tom, and Alan P Sunny, are the applicants for this copyrighted work, published on 21/08/2023.

GRANTED, FILED PATENTS

IoT Based Solar Powered Agriculture Robot

Julian Benadit P is credited with the "IoT Based Solar Powered Agriculture Robot" patent. Co-applicants include Krishna Kant Pandey, Puja Gholap, Dr Rajeshkumar Uttamrao Sambhe, Dr Gaurav Srivastava, Ansari Faiyaz Ahmed, Pranav Ravindrannair, Dr Abhishek Sharma, and Dr Krupal Prabhakar Pawar. Filed on 18/07/23 and granted on 22/09/23 with the patent number 390599-001, this invention falls under the Internet of Things domain.



Model of the IoT Based Solar Powered Agriculture Robot

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PROJECTS

Externally Funded

From August 1, 2023, Dr ARUNA S K is leading a research project called "Biodegradable Hydrogel Gauze from Nano Sericin & Gelatin." Co-investigators include Dr RUBALAKSHMI G, and NISHAANTH S. MSME funded the project with a national grant of over 20 Lakhs. The main goal is to make an eco-friendly hydrogel gauze using leftover Sericin from silkworms and Gelatin from fish scales and bones. They'll look into the characteristics of Sericin and Gelatin, try different ways to make the gauze, and test it for wound healing. They'll also work on isolating, extracting, and purifying Sericin and Gelatin and making silver nanoparticles. The total grant for all these activities is 2,100,000.

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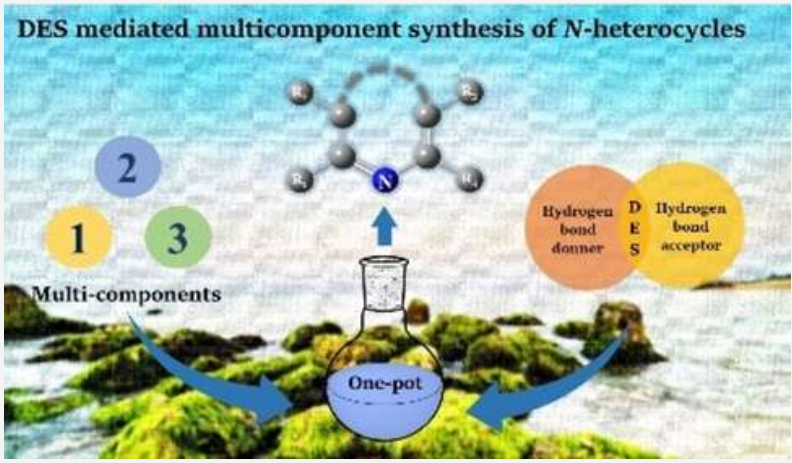
STUDENT PUBLICATIONS

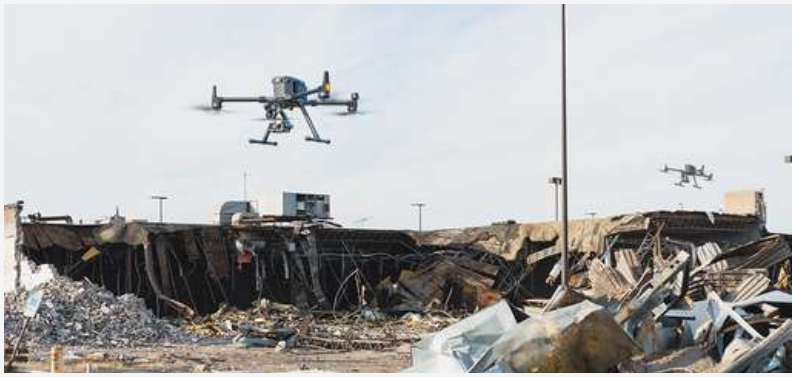
A Bird's-Eye View on Deep Eutectic Solvent-Mediated Multicomponent Synthesis of N-Heterocycles

Kumar S, Lokesh, Anushka Servesh, Yash Kumar Sriwastav, Sanjaybala Balasubramanian, Sumaiya Tabassum, and Santhosh Govindaraju. "A Bird's-Eye View on Deep Eutectic Solvent-Mediated Multicomponent Synthesis of N-Heterocycles." ChemistrySelect 8, no. 16 (2023): e202301054.



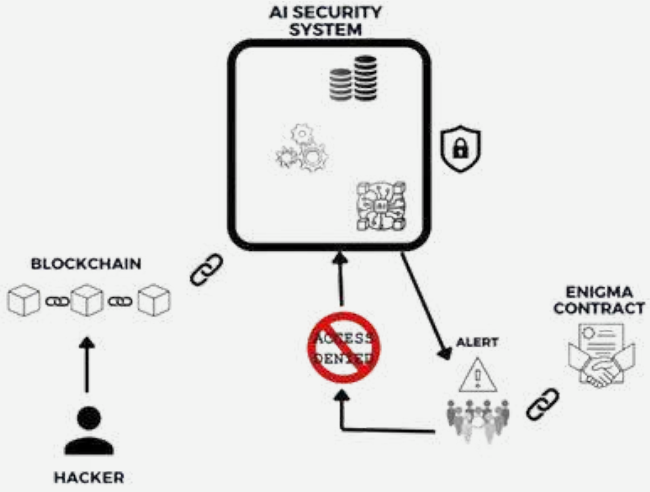
Rescue Operation with RF Pose Enabled Drones in Earthquake Zones

Saji, Aleena, Akhila Restine Thomas, Aleena Mary Benny, and N. Jayapandian. "Rescue Operation with RF Pose Enabled Drones in Earthquake Zones." In 2023 International Conference on Sustainable Computing and Smart Systems (ICSCSS), pp. 1333-1338. IEEE, 2023.



Swarm Intelligence Decentralized Decision Making in Multi-Agent Systems

Joseph, Aishwarya Ann, Gautham S. Nambiar, and N. Jayapandian. "Swarm Intelligence Decentralized Decision Making In Multi-Agent System." In 2023 8th International Conference on Communication and Electronics Systems (ICCES), pp. 1425-1430. IEEE, 2023.



OTHER NOTABLE ACHIEVEMENTS

Siddharth Ramachandran (2262158), 3BTCSAIML-C, was selected as the Millennium Fellow for the United Nations Academic Impact (UNAI) Millennium Fellowship for 2023.

Adith Menon from 6BT AIML obtained a part-time internship with BluSim Technologies Pvt. Ltd., a company in Singapore.

Anish P (2262028) from 3BTCS B participated in the "Tiger 5 Chess event" at Christ University, Kengeri, in August and served as the Chief Arbiter.

K. Manjunath (2260470) and Trinadh (2260342) from 3BTCS A participated in the "Tiger 5 (Kabaddi)" event at Christ University on August 25, 2023, and secured 1st PLACE.

In the Indian Cyber Security Torchbearer Hackathon 2023, 1 team from the 3rd year CSE secured the 2nd prize, and 2 teams from the 7th semester CSE shared the third prize.

Students selected for the Cisco Campus Ambassadors Program: Meghashyam Vivek (2160370) - 5BTCSB, Ashley Varghese (2160427) - 5BTCSB, Amarthya Dutta Gupta (2162208) - 5BTCSDS, Aaron Probha (2162202) - 5BTCSDS

Anmol Singh (2262609) from 3BTCS B participated in the "Darpan 2023: Battle of Bands Indian" event at Christ University Kengeri in August and emerged as the Winner.

Mr Vyshnav has been selected as the Millennium student to represent the University for SDG cell.

PLACEMENTS

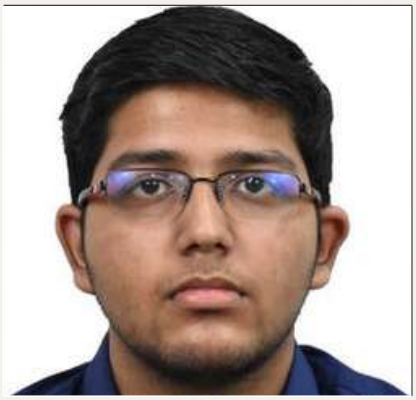
CONGRATULATIONS TO THE FOLLOWING STUDENTS FOR SECURING PLACEMENTS

Students Placed in accenture

RYAN MATHEW (2060397)
BTech in CSE

J ABBINAYA (2060475)
BTech in CSE

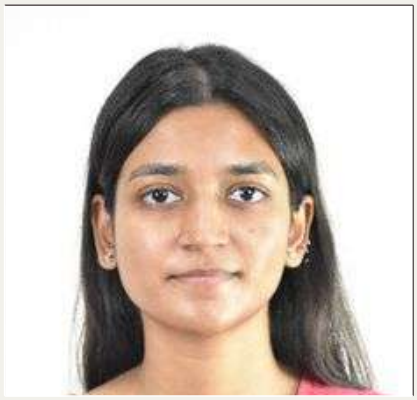
M MAZEEN (2062414)
BTech in CSE (IoT)



PRIYANSHU KHANTWAL (2062210)
BTech in CSE (DS)

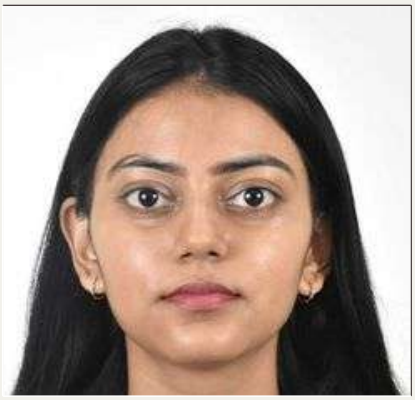
Students Placed in British Telecom

BASIT BASHARAT (2060331)
BTech in CSE



DIMPLE RAGHU (2062044)
BTech in CSE (AIML)

KATELYN JADE MEDOWS (2060435)
BTech in CSE



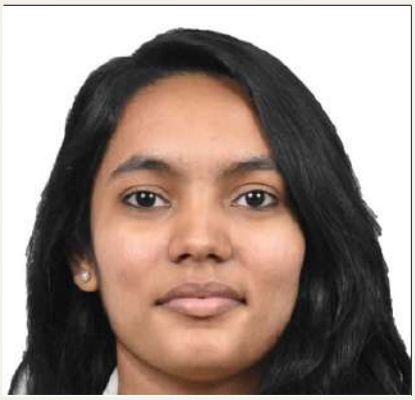
MAHI DIXIT (2060460)
BTech in CSE

SEJAL PAL (2060448)
BTech in CSE

Students Placed in Epsilon

GAUTHAM GOVIND (2060476)
BTech in CSE

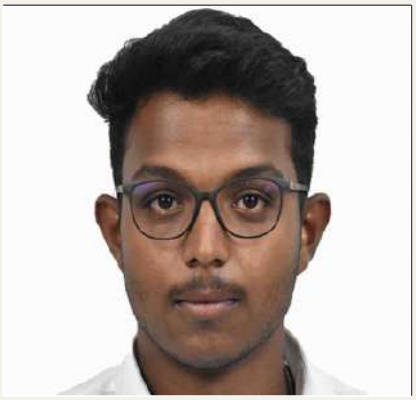
NEHA MARY K (2062048)
BTech in CSE (AIML)



NOUREEN NASAR (2062233)
BTech in CSE (DS)

PRIYANSHU BISWAS (2062429)
BTech in CSE (IoT)

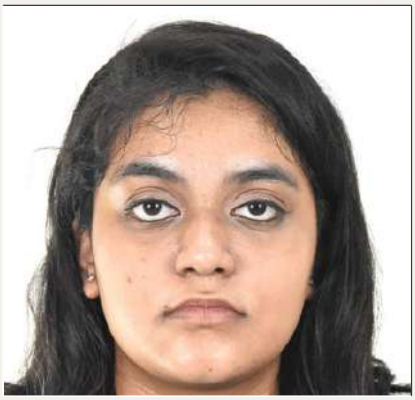
Students Placed in Epsilon



ABHISHEK S (2060307)
BTech in CSE

JERRIN JAYS (2060357)
BTech in CSE

MEGHANA KANTIPUDI (2060439)
BTech in CSE

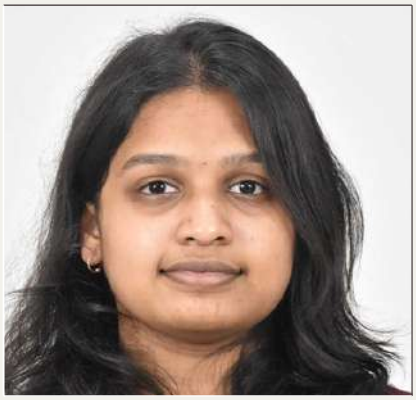


SOOKTHY DANIEL BOPPURI (2060451)
BTech in CSE

Students Placed in QBurst

MARC PERVAZ BOOCHA (2060380)
BTech in CSE

NAGIRIMADUGU MOHITH REDDY (2060473) BTech in CSE



J ABBINAYA (2060475)
BTech in CSE

CHATHERIYAN T (2062016)
BTech in CSE (AIML)

SUBHIKSHA M (2062407)
BTech in CSE (IoT)

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Students Placed in SAP

EBY TOM (2060341)
BTech in CSE

ADITI MARIE DINIZ (2062042)
BTech in CSE (AIML)

KEERTHANA SEN (2062217)
BTech in CSE (DS)

PRIYA KUMARI (2062222)
BTech in CSE (DS)

AARUSHI (2062250)
BTech in CSE (DS)

SYED SUHANA (2062422)
BTech in CSE (IoT)

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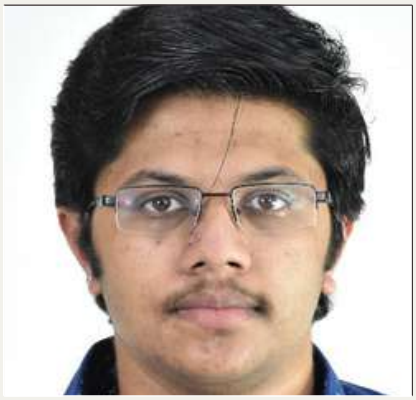
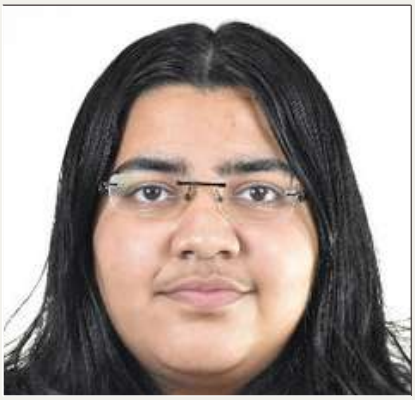
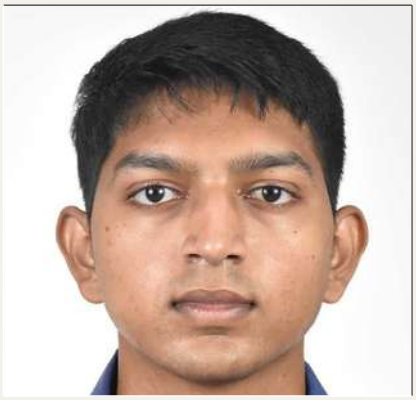
Students Placed in SIEMENS Healthineers



ABEL GEORGE JOSE (2062065)
BTech in CSE (AIML)



AISHWARYA SINGH (2062076)
BTech in CSE (AIML)



ALEN PAULS (2060317)
BTech in CSE

ANUSHA GHOSH (2060420)
BTech in CSE

BANDI UDAY SATYA SAI (2062015)
BTech in CSE (AIML)

DHRUV GAUTAM (2062431)
BTech in CSE (IoT)

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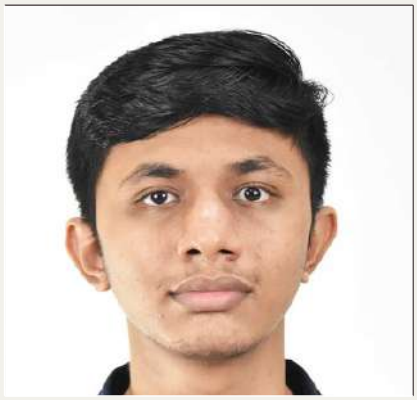
Students Placed in SIEMENS Healthineers

GULAFSHA AHMED (2060310)
BTech in CSE



JAINAM PURUSHOTAM PATEL (2062077) BTech in CSE (AIML)

JERIN JOY (2060356)
BTech in CSE

JESWIN P J (2062052)
BTech in CSE (AIML)

KRISHNA SREEKUMAR (2062406)
BTech in CSE (IoT)

SANDRA MARIN RAJESH (2060446)
BTech in CSE

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Students Placed in SIEMENS Healthineers

SANDRA ROSE (2060447)
BTech in CSE

TANMAY CHAUDHARY (2060497)
BTech in CSE

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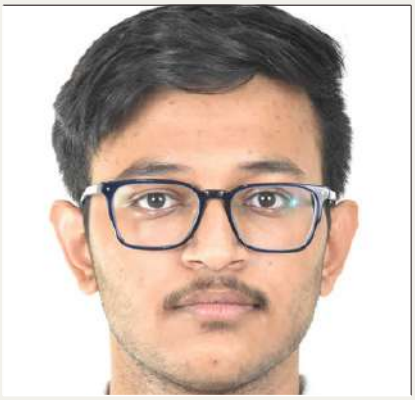
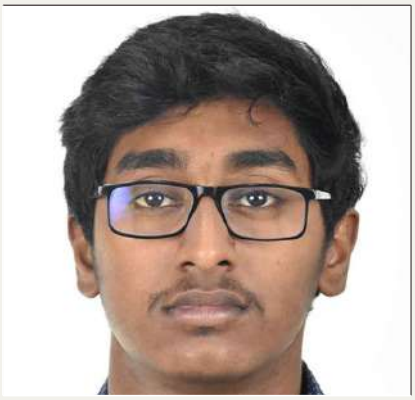
Students Placed in BETSOL

One Team One Dream



DIVYANSHU SACHDEVA (2060338)
BTech in CSE



NIRANJAN JOEL (2062032)
BTech in CSE (AIML)

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Students Placed in Texas Instruments

SUHAAS JOSHI (2060411)
BTech in CSE

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

presents

ASSOCIATION OF STUDENTS OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY WITH INNOVATION

INNOVATING FOR THE FUTURE

BEHIND THE CURTAIN:
MEET ASCII'S LEADERSHIP CIRCLE

By B Satyam Rao
President, ASCII

Dear Readers,
At ASCII we believe in creating a club culture around the students. We conduct peer-to-peer classes, a unique initiative where students teach each other and foster knowledge and personal growth. These classes act as a bridge to trending and relevant technical skills and hands-on experience. We try to include real-world projects and also culminate ethics. We also conduct several events under FOOBAR where students from all departments participate to showcase their talents and compete with each other.

ASCII isn't just a learning platform, but we are an association dedicated to equipping students with skills, providing them with a community to grow their network, concrete their achievements and help them to take flight towards their dreams. At ASCII, we don't give up "We Restart, We imagine, We Innovate" because we are "INNOVATING FOR THE FUTURE".

B Satyam Rao - President
Aaqil Faheem Hashim - Vice President
Aishwarya Ann Joseph - Secretary
Mervyn Regeo Varghese - Joint Secretary
Sonia Liz Jossy - Treasurer
Ashwin Sasi - Club Coordinator
Savio Mohan - Club Coordinator
Deepanshu Dheer - Social Media Head

EMBRACING THE DIGITAL RENAISSANCE

By Aaqil Faheem
Vice President, ASCII

The future is not pre-written code; it's an algorithm waiting to be compiled. And at ASCII, the Department of Computer Science and Engineering's vibrant hub of tech minds, we're not just students, we're architects of the digital dawn. Our new motto, "Innovating for the Future," isn't just a tagline; it's a declaration of intent, a rallying cry for those who refuse to be confined by the binary limitations of the present.

Think of ASCII as a dynamic digital foundry, where raw ideas are smelted into groundbreaking tools, sleek interfaces, and algorithms that push the boundaries of what's possible. Our nine clubs, each a specialized forge of innovation, stand ready to empower your potential and ignite your tech ambitions.

FOSS Coder's Club delves deep into open-source software, not just utilizing existing tools but also contributing their own code to shape the digital landscape. Neuron Club, with their expertise in cognitive science, explores the potential of AI, aiming to develop algorithms that analyze and interpret data with increasing sophistication.

Innovation isn't a one-person show at ASCII – it's a team effort. Web Dev and Game Dev might join forces to create online worlds with intricate design and immersive experiences. Scripters and Dossier Arcade could collaborate on a custom language for retro games, ensuring pixel-perfect nostalgia. The possibilities are vast, fueled by shared expertise and a spirit of teamwork.

"Innovating for the Future" might sound like a grandiose vision, but at ASCII, it's simply the way we do things. We're not content with replicating the past; we're reimagining the future, line by line of code, pixel by pixel of design. So, are you ready to join the digital renaissance? Grab your laptop, unleash your inner tech alchemist, and step into the vibrant world of ASCII. Together, let's code the future, one ground-breaking idea at a time.

ASCII'S CLUBLAND: WHERE PASSIONS UNITE

By Augadh Verma
Club Head (FOSS Coder's Club), ASCII

Explore the Computer Science and Engineering world, where beats and bytes combine to create a dynamic environment. ASCII, our student association, is a vibrant centre of innovation and teamwork, not just a community. We cordially welcome you to investigate various clubs within ASCII's Clubland, each embodying a distinct aspect of the computing world. Find your tribe, satisfy your curiosity, and join us in pursuing knowledge, innovation, and life-changing events. We welcome everyone from coding experts to design enthusiasts, cybersecurity guardians to AI enthusiasts.

Our Clubs

1. FOSS CODER'S CLUB
2. SCRIPTERS CLUB
3. SENTRIX
4. DOSSIER ARCADE
5. STUXNET
6. DESIGN CLUB
7. NEURON CLUB
8. GAME DEVELOPMENT CLUB
9. WEB DEVELOPMENT CLUB

FOSS CODER'S CLUB

Coder's Club is a great place to learn how to code and improve problem-solving skills. Here, you will learn the basics of programming (such as variables, loops, and functions) and apply computer programming concepts in solving real-life problems.

Club Heads: Augadh Verma, Kshitiz Srivastava, Sujal, Vanshika Singh

SCRIPTERS CLUB

Scripters Club is dedicated to exploring the realm of automated software. Members will gain valuable insights into industry-standard tools and techniques through interactive workshops, collaborative projects, and hands-on training. Join us in embracing the future of software quality assurance.

Club Heads: Cyril Lawrence, Hetvi Parekh, Sonali Das

SENTRIX

The primary focus of Sentrix club is to understand, develop, and implement solutions using IoT devices, sensors, connectivity, and data analysis. It provides a supportive environment for individuals who are passionate about IoT technology to come together, learn, innovate, and contribute to the growing field of connected devices and systems.

Club Heads: Aishwarya Chundru, Bettina S Mathew, Fazal Khan, Ibrahim B

DOSSIER ARCADE

This club intends to build technical skills in data science by teaching data analytics and through various. Activities and events like seminars, boot camps, guest talks, and competitions like hackathons were centred on subjects that fall under the data science umbrella.

Club Heads: Samiksha Budhiraja, Vedant Agarwal

STUXNET

In the Stuxnet Club, we introduce you to a realm of networking and networking technologies. In a world where communication reigns supreme, the Networking club - stands as a beacon of knowledge and exploration.. Our mission is simple yet profound: to introduce all the networking possibilities.

Club Heads: Alphy Jose, Nikitha Sajith

DESIGN CLUB

A vibrant community dedicated to enhancing user experiences through UI/UX design. We specialize in leveraging tools like Figma and Canva to craft captivating designs. Discover the magic of translating ideas into impactful visuals that resonate with users.

Club Heads: Aleena Mary Benny, Sreerag M, Vedika Pareek

GAME DEVELOPMENT CLUB

This club is a community of creative folks passionate about developing games with innovative ideas using languages like C# or C". Our central objective revolves around harnessing the potential Of creative• ideas and enhancing coding and developing skills with some interesting motives using Unity (game engine).

Club Heads: Mohith M S, Prince Dhabuwala

NEURON CLUB

Dive into the Neuron Club and turn buzzwords like artificial intelligence, machine learning, neural networks, transformers, and GPTs into keys that unlock your creativity's potential! The Neuron Club is your playground to shape curiosity into innovation. Prepare to master the future's vocabulary, where your ideas and technology converge to create something extraordinary!

Club Heads: Ashvath Suresh Babu Piriya, Ashwin Arumugam, Mehwish Sultana, Vyshnav K S

WEB DEVELOPMENT CLUB

This club's primary focus is to equip students with the foundational principles of web development. It doesn't matter if you're new to coding or already have some experience; our mission is to lead you through the fascinating landscape of web design, programming Languages, and adaptable layouts while encouraging teamwork and originality.

Club Heads: Avinash, L J Ayush, Tiras Jeffrey T

Neurofluence

PEER TO PEER:

WHERE LEARNING TAKES FLIGHT IN ASCII

By Aaqil Faheem
Vice President, ASCII

At ASCII, we believe learning doesn't stop at the classroom door. We champion peer-to-peer classes, a unique initiative where students teach each other, fostering knowledge exchange and personal growth.

These classes aren't just about filling in theoretical gaps – they're bridges to industry-relevant skills and hands-on experience. FOSS Coder's Club veterans, seasoned open-source coders, guiding their peers into collaborative and competitive coding. Design gurus from Design Club demystify the intricate art of user interface creation, equipping others with skills coveted by tech giants. This is learning distilled from real-world experience, passed down from student to student.

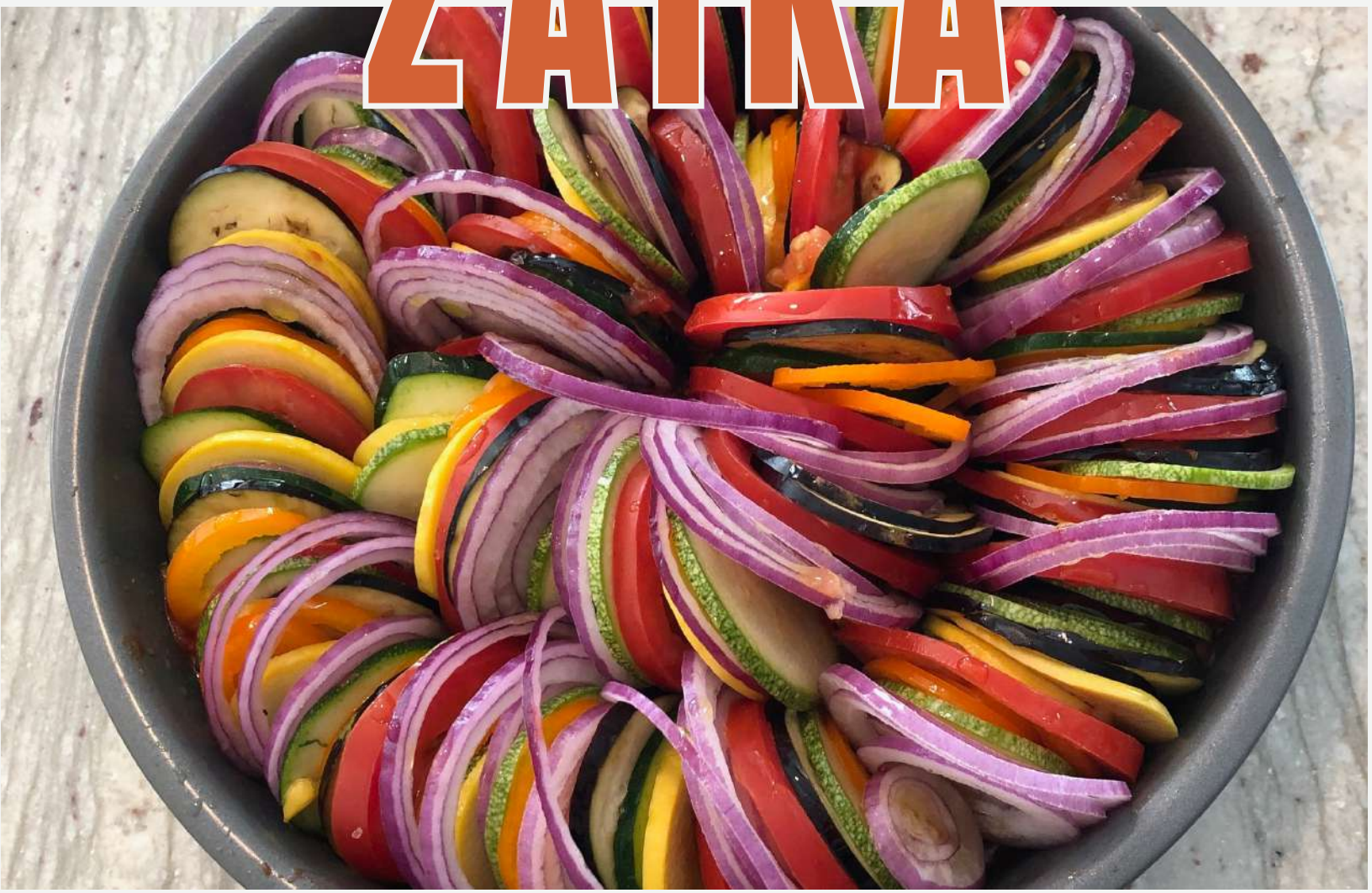
But beyond technical expertise, our peer-to-peer classes cultivate something even more valuable: community. In a room buzzing with curiosity and collaboration, barriers melt away. Web Development Club mentors patiently explain complex frameworks to eager newcomers, while Sentrix veterens train their peers in all the nuances in working with IoT senors and instruments. Stuxnet veterans share their networking wisdom with wide-eyed freshmen. These interactions forge bonds beyond classrooms, creating a support network and shared passion.

And the learning doesn't end there. Each class culminates in real-world projects, tangible proof of your acquired skills. From pitching AI-powered chatbot creations in Neuron Club or visualizing real-world data with interactive dashboards at Dossier Arcade. These projects aren't just academic exercises; they're portfolio-worthy achievements, testaments to your dedication and ingenuity.

Peer-to-peer classes aren't just a learning platform; they're launchpads for your future. They equip you with the skills, the community, and the concrete achievements employers crave. So, whether you're a coding novice or a seasoned tech wiz, ASCII's peer-to-peer classes offer a platform to hone your craft, find your tribe, and take flight towards your dreams.

Join us, become a teacher or a student, and experience the magic of learning that takes flight in the skies of ASCII. Remember, in our community, the only limit is your imagination, and the possibilities are endless.

ZAIKA



Dorm-Room Dream: Easy Peasy Ratatouille

College life: ramen noodles and instant mac 'n cheese are your usual companions. But tonight, let's spice things up with a dish that's bursting with flavor and easy on the wallet (and the washing-up pile): Ratatouille!

This veggie wonder doesn't require fancy skills or a gourmet kitchen. Just grab your trusty microwave and a single pot, and you'll be feasting on Provençal goodness in no time.

Ingredients

1 can diced tomatoes

1/2 sweet onion, chopped

1/2 zucchini, chopped

1/2 bell pepper (any color!), chopped

1 small eggplant, chopped (skip if feeling lazy, trust me)

1 clove garlic, minced (or swap for garlic powder)

1/2 teaspoon dried oregano

1/4 teaspoon dried thyme

Salt and pepper to taste

Olive oil (optional, but adds richness)

Instructions

1. Microwave mayhem: Combine all the chopped veggies in a microwave-safe bowl. Add garlic, oregano, thyme, salt, pepper, and a drizzle of olive oil (if using). Cover with a plate and nuke for 5 minutes on high.

2. Tomato time: In the same bowl, add the diced tomatoes and stir. Microwave again for 2 minutes, then give it a good mash with a fork. You want a chunky tomatoey sauce.

3. Simmer down: Back on the stovetop! Place the bowl over medium heat and simmer for 10 minutes, stirring occasionally. Let the flavours mingle, and the sauce thicken.

4. Voila! You're done! Serve your ratatouille hot over pasta, rice, or even toast. Top with a sprinkle of chopped fresh herbs if you feel fancy (basil, parsley, anything green works!).

Bonus tips for dorm-room chefs:

No microwave? No worries! Sauté the veggies in a pot with a little oil until softened, then follow steps 2-4.
Double up: This recipe easily doubles (just grab more veggies!). Leftovers? Score! Cold ratatouille makes a killer salad topping.
Get creative: Feeling adventurous? Add other veggies like mushrooms, spinach, or even leftover beans.

TECHMANIA

By Aaqil Faheem
Editor, Neurofluence

In the dynamic and ever-evolving realm of technology, the period spanning from August to October 2023 emerges as a captivating chapter in the ongoing narrative of innovation. During these months, the tech landscape witnessed a symphony of transformative moments that have reshaped the contours of the digital sphere. Let us embark on a seamless journey through these months, exploring the intersection of groundbreaking events that have left an indelible mark on the ever-shifting landscape of technological progress.

The tech spectacle commenced with an extraordinary flourish in August, featuring a double bill of technological marvels. First on the stage was the Samsung

Developer Conference 2023, offering a tantalizing glimpse into Samsung's future trajectory. Shortly after, the resonance of "Made by Google" echoed with a spectacular hardware extravaganza, unveiling not only the anticipated Pixel 8 and Pixel Watch 2 but also the surprising Pixel 8 Pro.

September brought forth a social and technological renaissance. Under Elon Musk's leadership, Twitter underwent a profound transformation, rebranding as "X" and bidding farewell to its iconic bird logo. Simultaneously, Apple orchestrated its annual extravaganza, unfurling a myriad of innovations, ranging from cutting-edge devices to groundbreaking software updates.

In a riveting tech showdown, both Microsoft and Google took center stage with special events in September. Microsoft teased a promising future wave of innovation, while Google showcased its technological prowess with the unveiling of the Pixel 8, Pixel Watch 2, and the unexpected Pixel 8 Pro.

October witnessed a metaverse revolution as Meta's Threads surpassed an impressive milestone of 100 million sign-ups, outpacing even the growth of ChatGPT, solidifying its status as the fastest-growing platform. The metaverse, once a conceptual realm, materialized into a tangible reality, reshaping digital landscapes and redefining the connections users make.

As we draw the curtains on this chronological narrative, the echoes of these extraordinary events resound in the vast expanse of the tech realm. Together, they form the chapters of an ongoing and enthralling story of innovation, leaving us eagerly poised on the edge, anticipating the boundless potential of the future in this ever-evolving world of technological wonders.

BROWSING HISTORY

By Aaqil Faheem
Editor, Neurofluence

In the rich tapestry of technological evolution, August and September have left enduring imprints, each contributing a unique note to the symphony of innovation. Let's embark on a seamless journey through these transformative epochs, interweaving the threads of progress.

August 1981 witnessed the dawn of the IBM PC, signaling the commencement of the personal computing revolution and revolutionizing computer accessibility for individuals.

Fast-forwarding to August 1st, 1989, Microsoft Office made its debut, bundling Word, Excel, and PowerPoint into a unified suite. This introduction set a benchmark for productivity applications, shaping the digital work landscape for decades to come.

On August 10th, 2005, a pivotal shift occurred with the release of Opera Mini Browser, tailored for PDAs, smartphones, and mobiles. This innovation amplified the mobile internet experience, laying the groundwork for increased accessibility on handheld devices.

September 2nd, 1997, witnessed IBM's unveiling of an improved chess-playing supercomputer, underscoring the synergy between artificial intelligence and gaming and foreshadowing the escalating role of AI across diverse domains.

Transitioning to September 2nd, 2008, Google disrupted the browser landscape with the inaugural release of Google Chrome. This marked the onset of a browser revolution, ultimately establishing Chrome as a dominant force in the web browsing arena.

On September 7th, 2011, Seagate pioneered the release of the world's first external 4 Terabyte hard disk drive, addressing the escalating demand for expansive storage solutions in the digital age.

Our exploration of October commenced with the founding of Logitech on October 2nd, 1981. This event marked the inception of a global leader in computer accessories, shaping the peripherals that enhance our daily interactions with technology.

Finally, on October 6th, 2010, Instagram emerged, transforming digital communication through visual storytelling. Its launch revolutionized photography and social interaction, leaving an indelible imprint on the fabric of social media.

As we traverse these landmark moments, the symphony of progress becomes evident. August, September, and October stand not only as temporal markers but as stages upon which technological innovation continues to dance, shaping the contours of our digital future.

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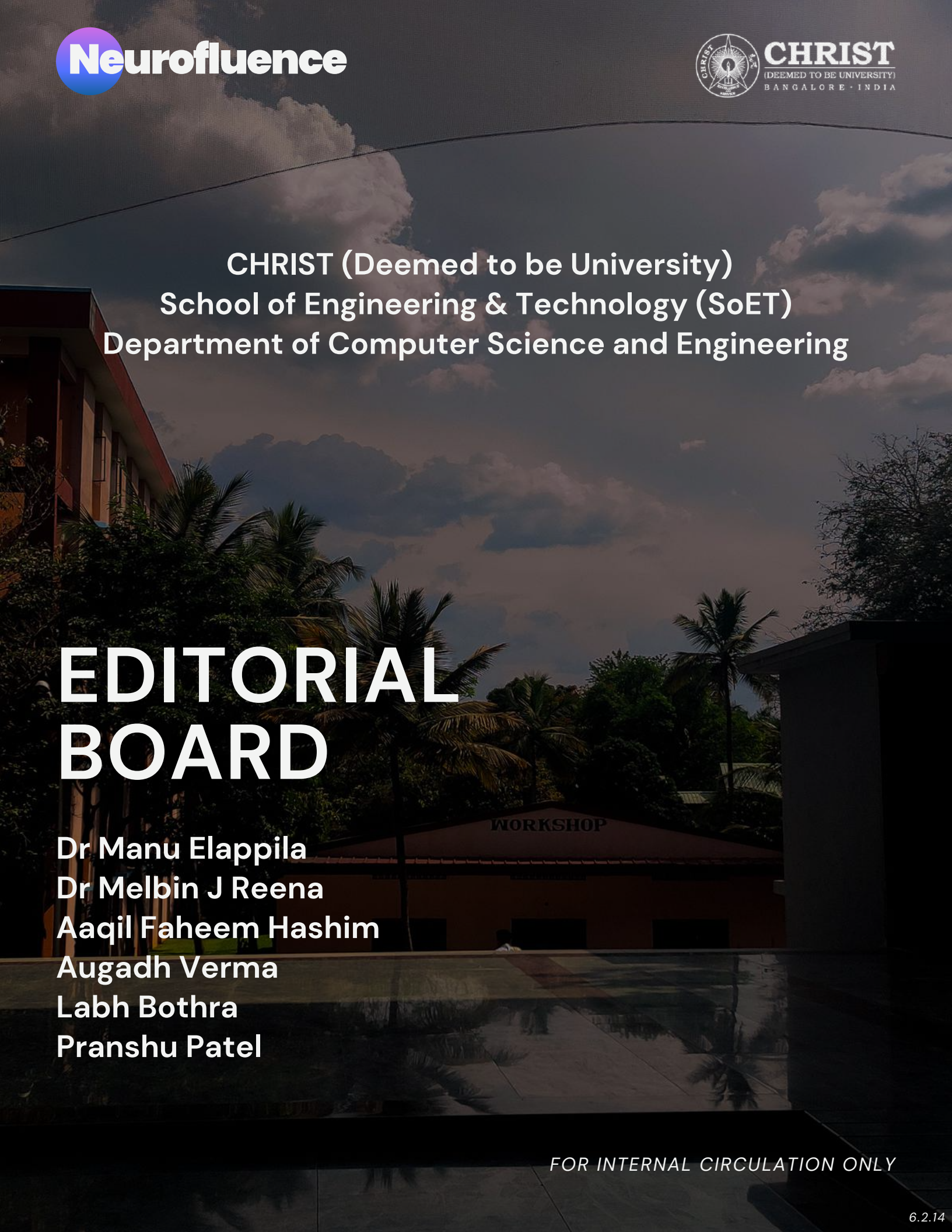

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