

# ETHNIX NEWSLETTER

Artificial Intelligence &  
Data Science

Computer Science  
(Cyber Security)



# ETHNIX

OFFICIAL NEWSLETTER OF DEPARTMENT  
OF ARTIFICIAL INTELLIGENCE AND CYBER  
SECURITY



## ABOUT ICET

# College of Excellence

Ilahia Trust made a leap forward in the educational field by pioneering one of Kerala's first self-financing engineering colleges, Ilahia College of Engineering and Technology (ICET). Located in Mulavoor P.O., Muvattupuzha, the college began its academic journey in the academic year 2002-03, and the last batch was admitted in 2017-18. ICET is affiliated with Mahatma Gandhi University. Educational minority University in Kerala, from 2014-18, was an engineering institution approved by AICTE. As per the government of New Delhi and affiliated with APJ Abdul Kalam

Technological University (KTU) under KTU ACT No. 17 of 2015. Simultaneously, along with the naming of APJ Abdul Kalam Technological University in 2015-16 batch, the college was established. ICET, since its inception in the year 2002, was affiliated with Mahatma Gandhi University. Within 22 years, ICET has made many creditable achievements, and 19 batches of engineering students have passed out from the college. The first batch of students in 2015-16 was admitted to various universities in Kerala, completing their courses with academic brilliance and all-round excellence, securing positions in various corporates and institutions.

Some of our alumni have also proved themselves excellent entrepreneurs. As part of its social commitment, the college provides free education and Scholarship from various agencies.







## ABOUT AI & CC

# Department of Optimism

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Imbibed in the professionals at the undergraduate level, the department has adopted modern practices to enrich the thought process of students with creativity and innovation. The goal of the department is to nurture the academic as well as personal excellence of our students by providing student-centric learning, industry exposure, and outstanding career opportunities. The backbone of the department comprises a crew of well-experienced, highly qualified, and dedicated team members who are always enthusiastic to update their knowledge. The department aims to build up a community where

actionable insights and cutting-edge technology turn into innovative products towards solving real-world problems.

Embracing the future of technology, our Department of Artificial Intelligence and Data Science is the catalyst for creativity, innovation, and excellence. The department, established in the year 2022, offers an undergraduate program in B.Tech. Artificial Intelligence and Data Science (AI & DS), B.Tech Computer Science and Engineering (Cyber Security) under the affiliation of APJ Abdul Kalam Technological University. The programs started in the year 2021 under the Department of Computer Science and Engineering and began to function as a separate department in the year 2022. Today's competitive era demands creativity and innovation to transform knowledge into real-world solutions, empowering our students to shape the world with actionable insights and cutting-edge technology.



## VISION

To mould socially committed industry ready engineers who envisions a future where AI and cyber security work hand in hand to create a secure, ethical, and technologically advanced digital environment through quality education, innovative research and industry collaboration.

1. Promote learning through visualization, hands on experience, value added courses and well-timed information.
2. Encourage socio-centric project that leverage AI and Cyber security to address societal challenges, and drive positive social impact by promoting ethical and responsible practices.
3. To impart industrial collaboration by inculcating industrial training, industry-related project works, and interaction with industry professionals.

## MISSION

## PROGRAMME SPECIFIC OUTCOMES

1. Establish the graduates with strong foundation skills in AI and Cyber Security domains andt foster them as good problem solvers and critical thinkers.
2. Enables the graduates to solve the real-world challenges in multi-disciplinary areas.
3. Graduates will embrace a commitment to lifelong learning, staying updated with emerging trends and advancements to enhance their knowledge and skills.

1. Ability to apply software technical skills and to become ethically and socially responsible solution providers and entrepreneurs in the field of Artificial Intelligence and Cyber Security.
2. Develop professional skills and practices to excel in their careers and to contribute to the advancement in the field.

## PROGRAMME EDUCATIONAL OBJECTIVES



# HOD's MESSAGE

I am thrilled to present the second edition of "Ethnix," our department newsletter celebrating the remarkable achievements and milestones of our Artificial Intelligence and Cyber Security community. This newsletter highlights the hard work and dedication of our students and faculty, showcasing their accomplishments in academics, research, and competitions. It is inspiring to see our students excel and receive recognition for their talents, whether through awards, internships, or groundbreaking projects. Your commitment to excellence not only enhances our department's reputation but also sets a standard for future generations. I encourage all of you

to take pride in these achievements, as they reflect our collective effort and passion for advancing in the fields of AI and cyber security. Let us continue to support one another as we strive for greatness and innovation. Thank you for being an integral part of our journey. Together, we are making significant strides in shaping the future of technology.



Dr. Rosna P Haroon

(HOD, AI & CC DEPARTMENT)

It gives me great pleasure to present the second-anniversary edition of the Department of Artificial Intelligence, Data Science, and Cyber Security newsletter for the academic year 2023-24. As we celebrate two years of innovation and growth, our department continues to thrive in pushing the boundaries of cutting-edge technology and research. This year, we've seen remarkable advancements in AI, data science, and cybersecurity, with our students and faculty making significant strides in both academics and practical applications. As we reflect on our journey,

I want to extend my heartfelt gratitude to our dedicated faculty, staff, and students for their passion and hard work. Your contributions have played a vital role in the success of the department and will continue to shape its bright future. Let's carry this momentum forward as we look ahead to many more years of achievements and collaborations.



Nurjahan V A

(ASSISTANT PROFESSOR)

# EDITOR's MESSAGE



# OUR TEAM



**Dr. ROSNA P HAROON**  
(HOD, AI & CC Dept)



**Dr. JINU MOHAN**  
(ASSOCIATE PROFESSOR)



**NURJAHAN V A**  
(ASSISTANT PROFESSOR)



**HASEENA M K**  
(ASSISTANT PROFESSOR)



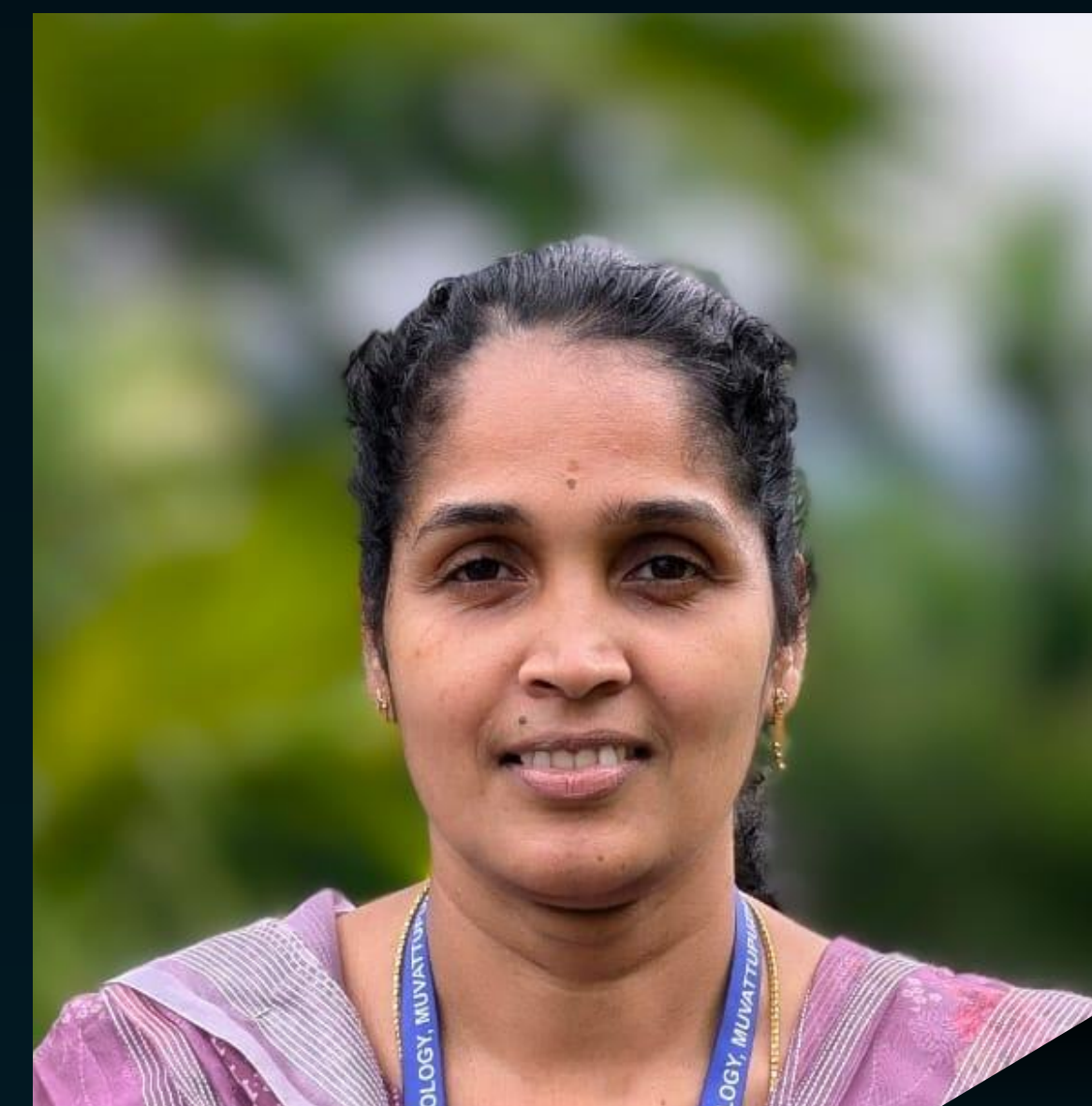
**ATHIRA BABU M**  
(ASSISTANT PROFESSOR)



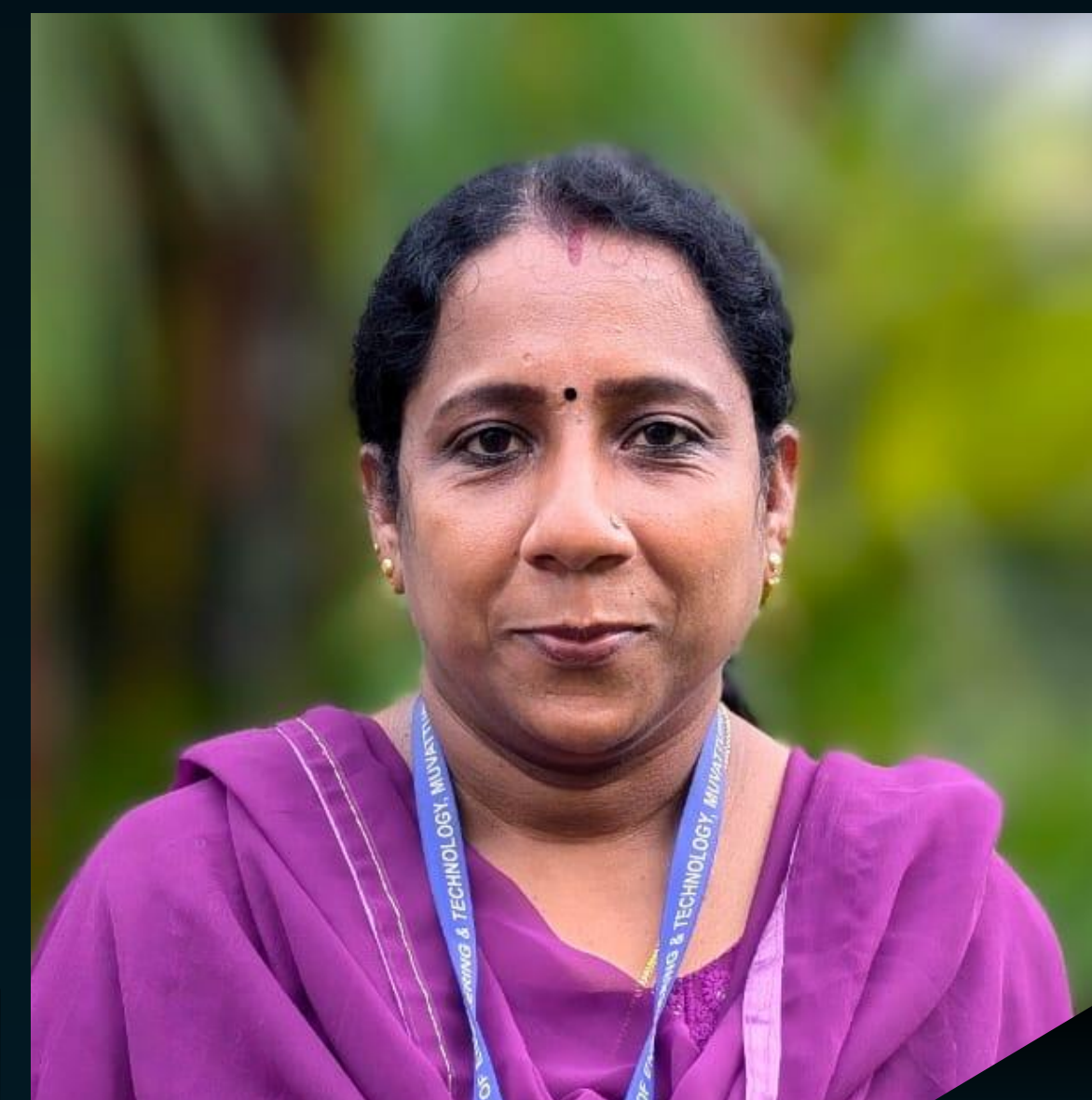
**SHARAFUDHEEN K.A**  
(ASSISTANT PROFESSOR)



**NEJMA M.A.**  
(ASSISTANT PROFESSOR)



**JYOTHI KRISHNAN**  
(ASSISTANT PROFESSOR)



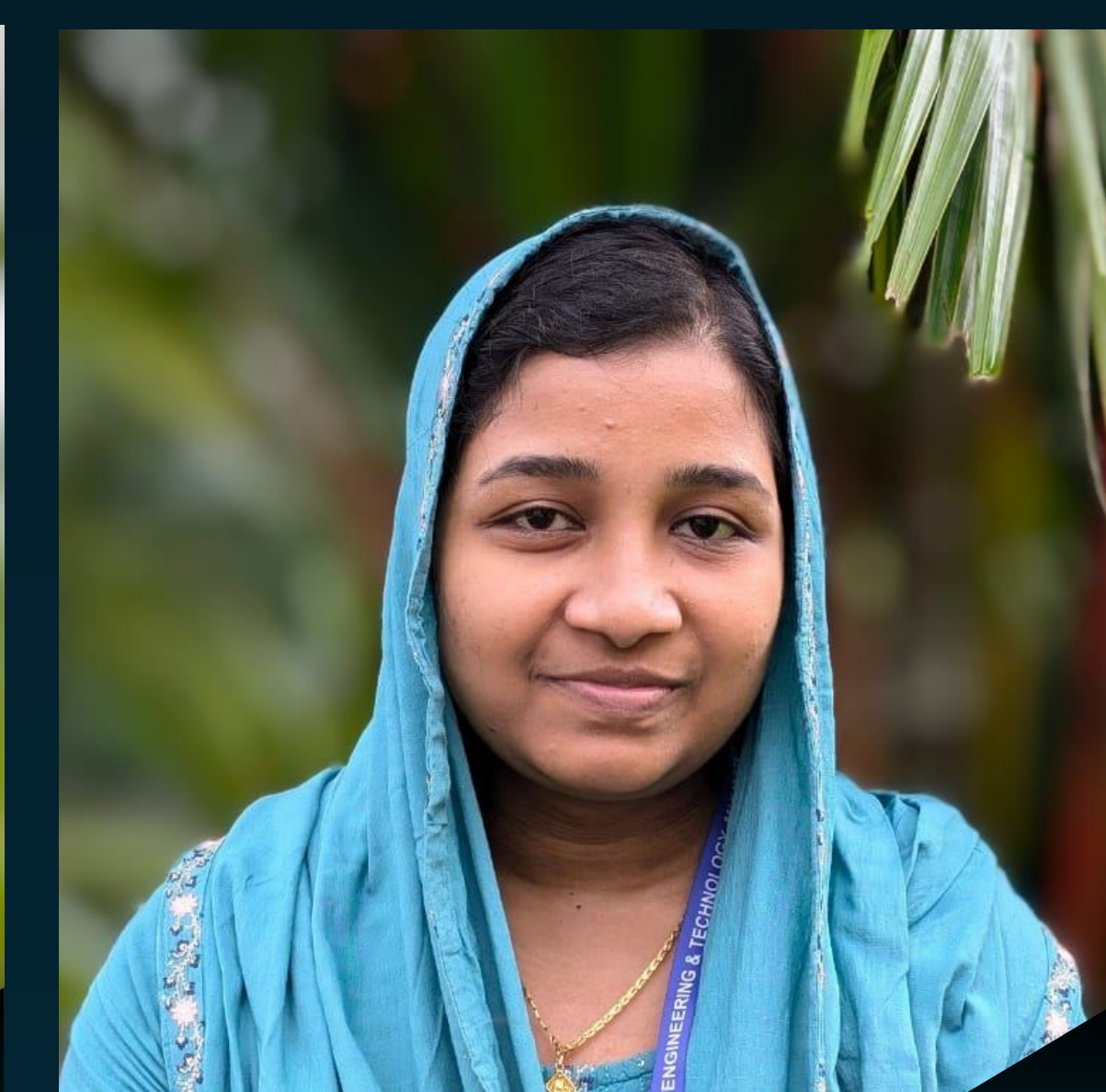
**SREELA CHANDRAN**  
(ASSISTANT PROFESSOR)



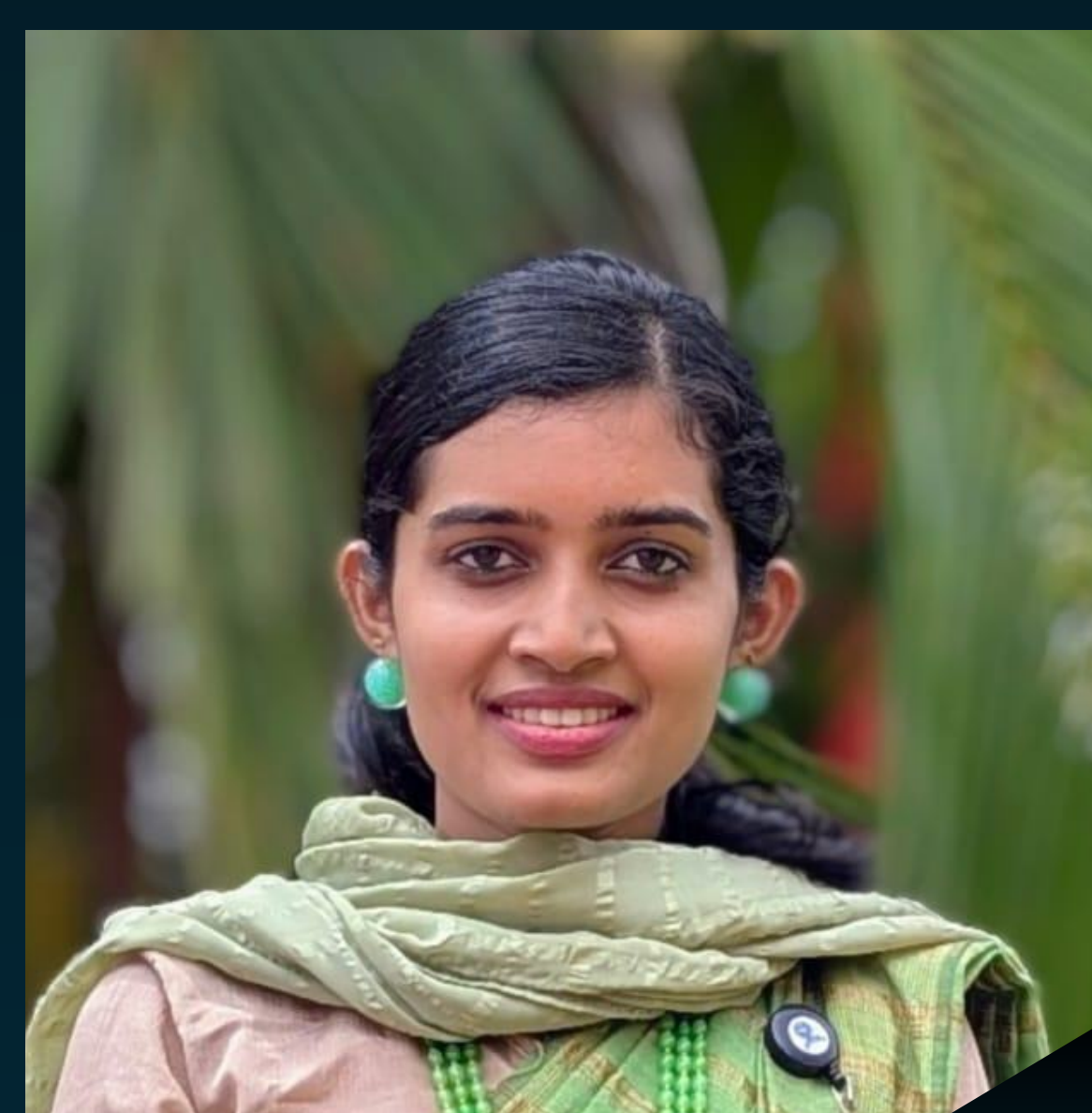
**NOUFIYA KOYAN**  
(ASSISTANT PROFESSOR)



**SALAM M M**  
(ASSISTANT PROFESSOR)



**ASLA M P**  
(ASSISTANT PROFESSOR)



**ALISHA MUHAMMED**  
(ASSISTANT PROFESSOR)



**ANU M S**  
(ASSISTANT PROFESSOR)



**MS. RENEESHABI P A**  
(ASSISTANT PROFESSOR)



**SHERMIN RASHEED**  
(TECHNICAL STAFF)

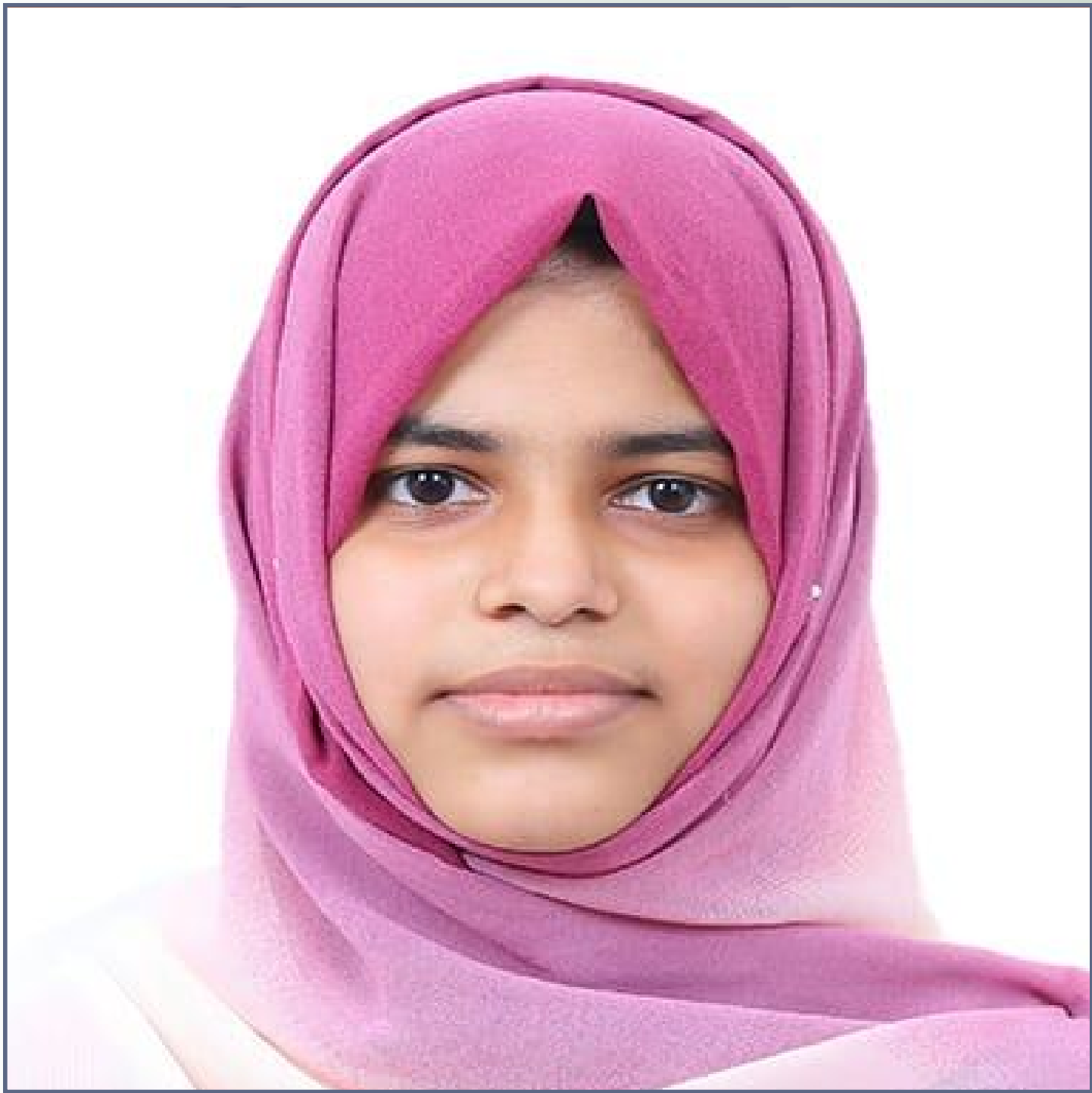


**RAJEE VASUDEV**  
(TECHNICAL STAFF)

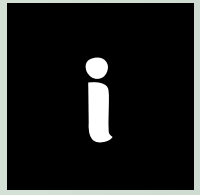


**ABHIJITH A**  
(TECHNICAL STAFF)





Afra A  
S5 AI&DS  
SGPA: 8.7



Riswana Rasheed  
S3 AI&DS  
SGPA:9.36



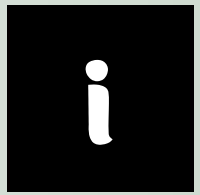
Fariza Noushad  
S1 AI&DS  
SGPA:8.26



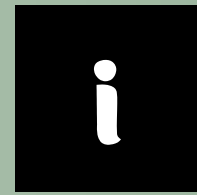
Alby Eldho  
S1 AI&DS  
SGPA:8.26



Nahiya Abdul Rasheed  
S5 CC  
SGPA:8.70



Muhammed Sulthan  
S3 CC  
SGPA:8.45



Alvin Biju  
S3 CC  
SGPA:8.7



ODD SEMESTER  
TOPPERS(2023-24)



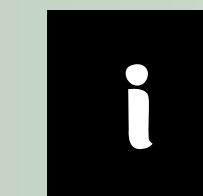
Afra A  
S6 AI&DS  
SGPA:8.91



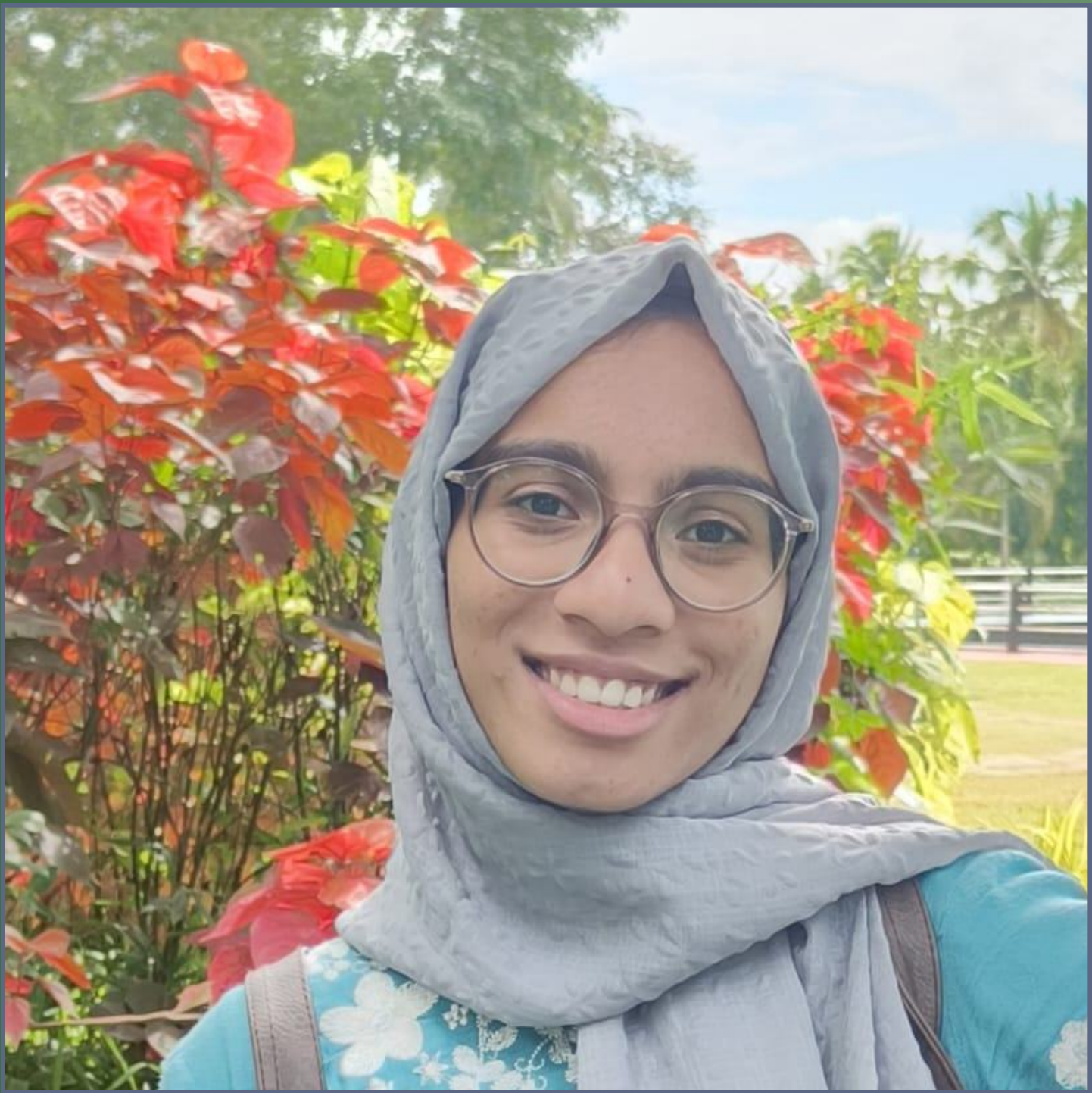
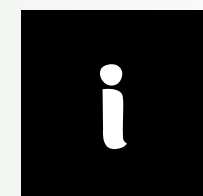
Riswana Rasheed  
S4 AI&DS  
SGPA:9.73



Faslul Fidha  
S2 AI&DS  
SGPA:7.57



Fathima M J  
S2 AI&DS  
SGPA:7.57



Fathima Firoz  
S6 CC  
SGPA:8.91



Amjadha Elyas  
S4 CC  
SGPA:8.27



Alvin Biju  
S2 CC  
SGPA:9.1



EVEN SEMESTER  
TOPPERS(2023-24)





**Farhana P K**  
Selected as Rudhirasena Regional Coordinator,  
Resource Person at MES College,  
Selected for National Adventure Camp at Manali



**Anzil M Thajudheen,**  
First Prize In Energy Quiz at ICET,  
Third Prize In District Level



**Aparna Sajeev,**  
Women Champion,  
Ilahia Sports Meet



**Hathim Hanee,**  
Active Volunteer During  
Wayanad Landslide



**Afna Kabeer,**  
First position in basket ball  
annual sports meet 2023-24



**Moosa Sageer**  
Achieved second position in chess  
competition annual sports meet  
2023-24



**Alby Eldho**  
Won 204 position in sciquest'za on  
National Science Day



**Alshif T A**  
Photography competition 3rd  
prize



**Sayed Muhammed**  
1st Prize Basketball  
3rd Prize Chess  
Runner Up Capture the Flag



**Midilaj Siddiq,**  
Certified Ethical Hacker



**Ihsan Jafry Sait**  
Hiked 14,000 Feet Mountain  
Succesfully At Manali Under  
Himtruck Team



**Adam Nahan**  
IEEE Ssit Kerala Chapter Technical  
Coordinator,  
Independence Day Elocution  
Second Prize,  
Gdc Design Lead,  
IEEE ICET Technical Coordinator,  
YIP Sub Coordinator





**Rithu Reji,**  
District Ambassdor at KTU Techfest,  
Best Campas Ambassdor From KTU,  
Start Up and IPR Inauguration Volunteer,



**Anuroop Jayakumar**  
Javelin Throw First Prize  
Discus Throw Second Prize



**Jefin John**  
Interzone Football Runner Up



**Anjana Shivan**  
Relay 2nd Prise



**Jesil Assis**  
Campus Ambassador At IEDC  
Summit 2024



**Abhikuttan T**  
Vollyball First Prize



**Akhilesh A S**  
RunnerUp In KTU DZone Football



**Alvin Biju**  
Co-coder 2nd position  
Sci-Quest 1st position



**Abhiram S**  
Co-Coder 2nd Position



**Joel Johnson**  
Sci-Quest 3rd Position



**Fahmid Odungat**  
RunnerUp In KTU DZone Football



**Noyal Savio Tenny**  
Co Coder Winner



# ASSOCIATION DAY INAUGURATION

The Department of Artificial Intelligence and Cyber Security celebrated its Association Day on November 22nd, 2023, at the Admin Block Auditorium. The event was graced by Sreekesh S.K., General Manager of Kochi Metro, as the Chief Guest, and Mr. Dhanoop R. from TechByHeart as a special guest. The day featured insightful speeches, interactive sessions, and discussions, marking a successful and engaging celebration of the department's achievements and future initiatives.



On Association Day, the department proudly marked a significant milestone with the launch of our official website, inaugurated by Mr. Sreekesh S K, General Manager of Kochi Metro. This new platform will serve as a hub for sharing departmental updates, research advancements, and student achievements, further strengthening our engagement with the broader academic and professional community.



Our department newsletter was officially released by Dr. K A Navas Principal of the college. This publication showcases the milestones, achievements, and activities of the department, reflecting the dedication and progress made over the past year.



The department magazine was officially released by Dr. Faisal M H, Vice Principal of the college. The magazine captures the innovative projects, achievements, and creative contributions of our students and faculty, offering a glimpse into the vibrant academic life within the department.



The S5 AI & DS students had an enriching industrial visit to UST Global on 4th October 2024. This visit provided them with valuable insights into real-world applications of artificial intelligence and data science, allowing them to explore industry practices and gain exposure to cutting-edge technologies used by professionals at UST Global.

## CURRENT TRENDS IN AI

The Department of Artificial Intelligence and Cyber Security organized a seminar on "Current Trends in AI" on March 20th, 2024, at the Seminar Hall, Administrative Block. The event featured resource persons Ansel Janson, Senior Developer and Trainer in Big Data at ExpertzLab Technology, and Gireesh Babu, Senior Architect at ExpertzLab Technology. The seminar provided participants with valuable insights into the latest advancements in artificial intelligence, exploring emerging trends, real-world applications, and future prospects in the field. The sessions were highly informative and well-received by attendees.

## VIRTUE VIBES



The Department of Artificial Intelligence and Cyber Security organized "Virtue Vibes" on April 17th, 2024, at the Seminar Hall, Administrative Block. The event featured Dr. Razeena Padmam, former Professor and Director of the School of Behavioural Sciences at MG University, as the keynote speaker. Dr. Padmam delivered an engaging session on student behavior and related topics, exploring various factors influencing student development and well-being. The seminar provided valuable insights for both students and faculty, fostering a deeper understanding of behavioral dynamics in educational settings.

## WORKSHOP ON ETHICAL HACKING AND CYBER SECURITY

The Department of Artificial Intelligence and Cyber Security successfully organized a National Workshop on Ethical Hacking and Cyber Security on November 23rd and 24th, 2023 at the Cybix Lab, ICET. Instructors Dhanoop R and Rohit from TechByHeart, along with Shonith A, a Certified Ethical Hacker, led the event, providing hands-on training and expert insights into ethical hacking and cybersecurity practices.



The Department of AI and CC conducted a 5-day internship program titled "Data Science Boot Camp" from July 1st to 5th. This program provided participants with intensive, hands-on training in data science techniques and tools.



# FACULTY ACHIEVEMENTS



A one-day workshop on the Essentials of Generative AI was conducted at SCMS College of Polytechnics on 25/04/2024, led by Prof. Rosna P Haroon and Prof. Nurjahan V A. The workshop covered key concepts and applications of generative AI, providing valuable insights to participants.



## FOSS CLASS



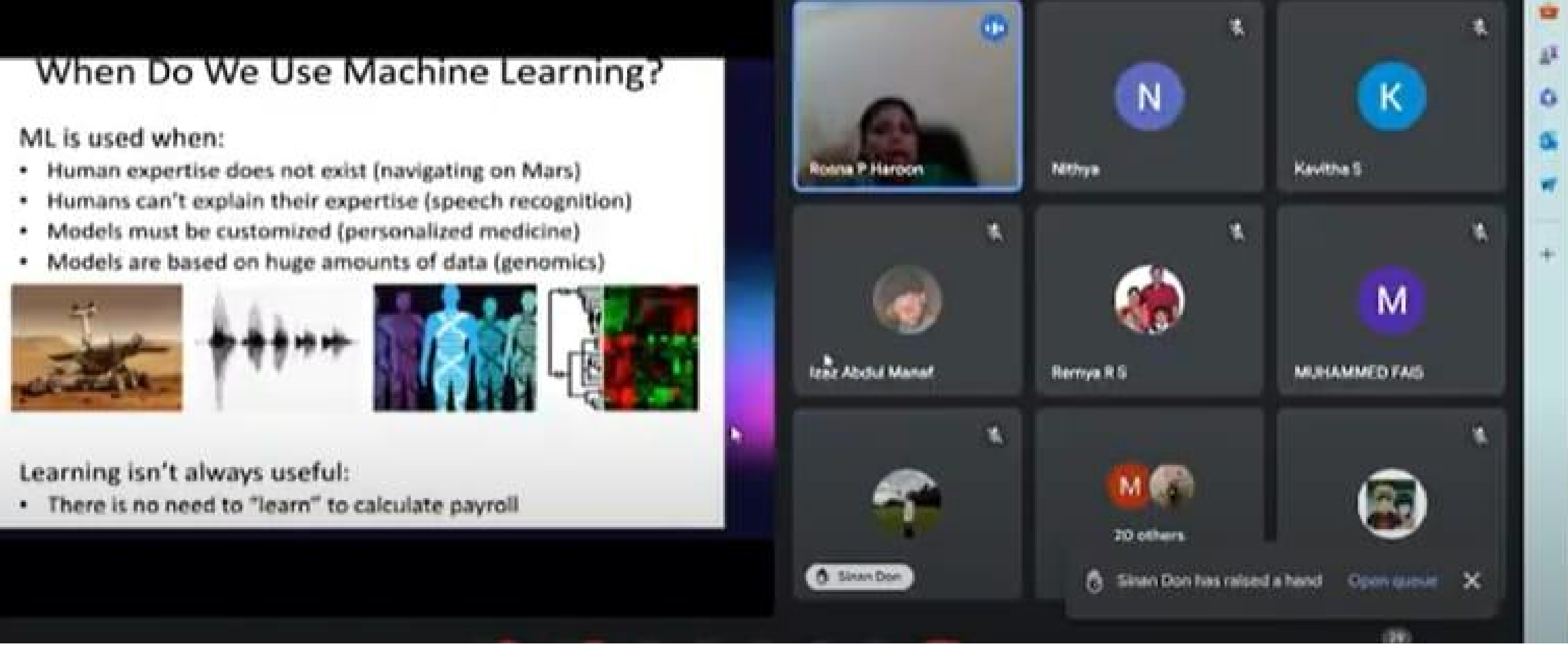
On April 5, 2024, the FOSS Club organized a session on Linux Distributions led by Prof. Sharafudheen K A. The session provided an overview of various Linux distributions, covering their unique features, applications, and suitability for different user needs. Prof. Sharafudheen explained the benefits of open-source software, the customization capabilities of Linux, and offered guidance on choosing the right distribution. Participants gained insights into popular distros like Ubuntu, Fedora, Arch, and Debian, along with practical tips on installation and usage. The session was highly engaging, helping attendees understand Linux's versatility and potential in various tech environments.

## FACULTY DEVELOPMENT PROGRAM

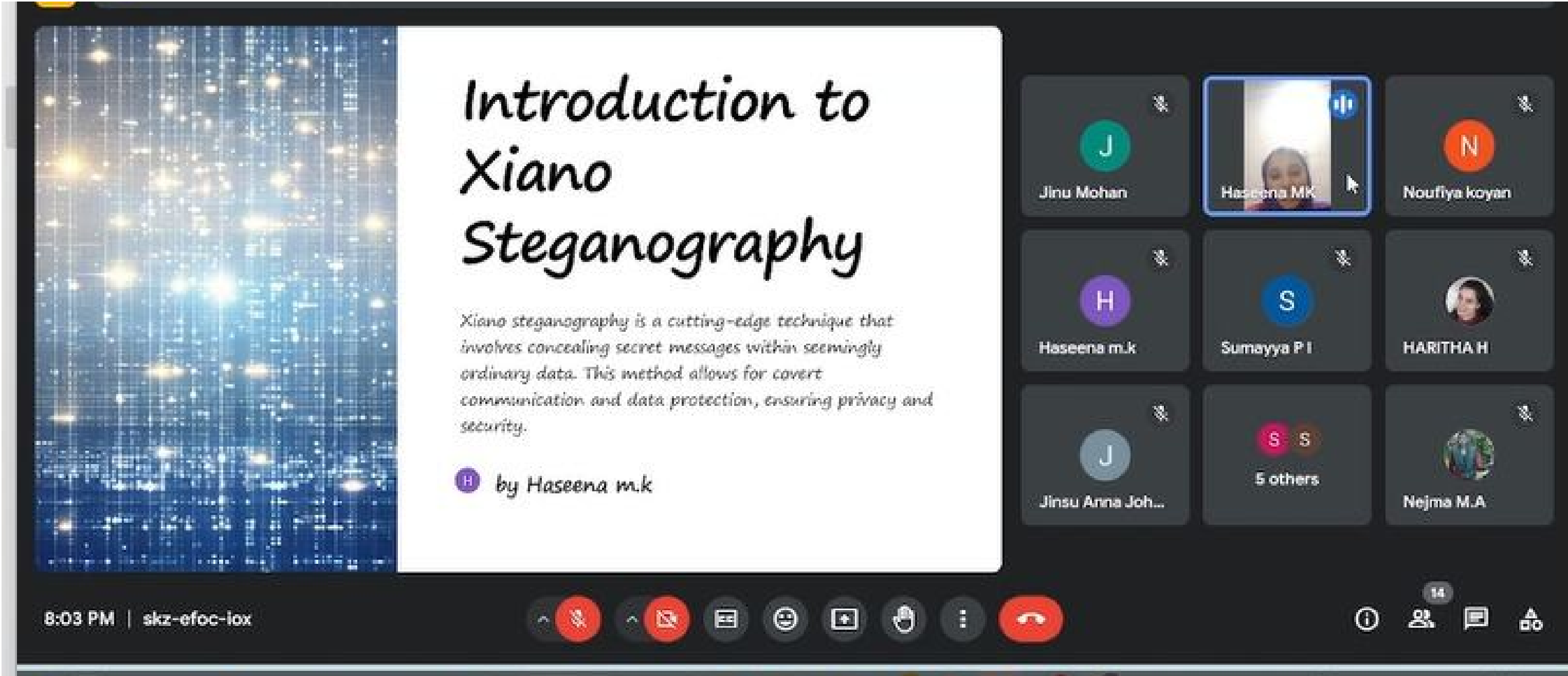
The Department of Artificial Intelligence and Cyber Security organized a Faculty Development Program titled "Power of AI: Hands-on for Educators" on January 24th and 25th, 2024. The program was led by resource persons Rosanna P. Haroon, HoD of AI&CC, and Nurjahan V.A., Assistant Professor of AI&CC. The sessions provided educators with practical insights into AI tools and techniques, equipping them with hands-on skills to effectively integrate AI into their teaching practices.



Prof. Dr. Rosna P. Haroon and Prof. Nurjahan V. A. have been recognized for their remarkable contribution in authoring the book Algorithmic Thinking with Python, tailored to the KTU 2024 scheme for Semester 1 students. Their dedication and expertise in simplifying complex concepts for aspiring



5-days Faculty Development Program on INNOVATIVE INSIGHTS : PYTHON, AI & ML conducted from 22/07/2024 to 26/07/2024 organized by the Department of Artificial Intelligence and Data Science & Cyber Security, ICET, Muvattupuzha.



The Faculty Development Programme (FDP) on "System and Network Security Tools," led by Dr. Jinu Mohan and Prof. Nejma M A, with Ms. Haseena M K, Assistant Professor, AI & CC Dept, as the resource person, was organized by the Department of AI & CC on August 9th and 10th, 2024. The FDP provided participants with hands-on experience in system and network security tools, focusing on emerging trends, practical security techniques, and case studies on IoT and cloud security.





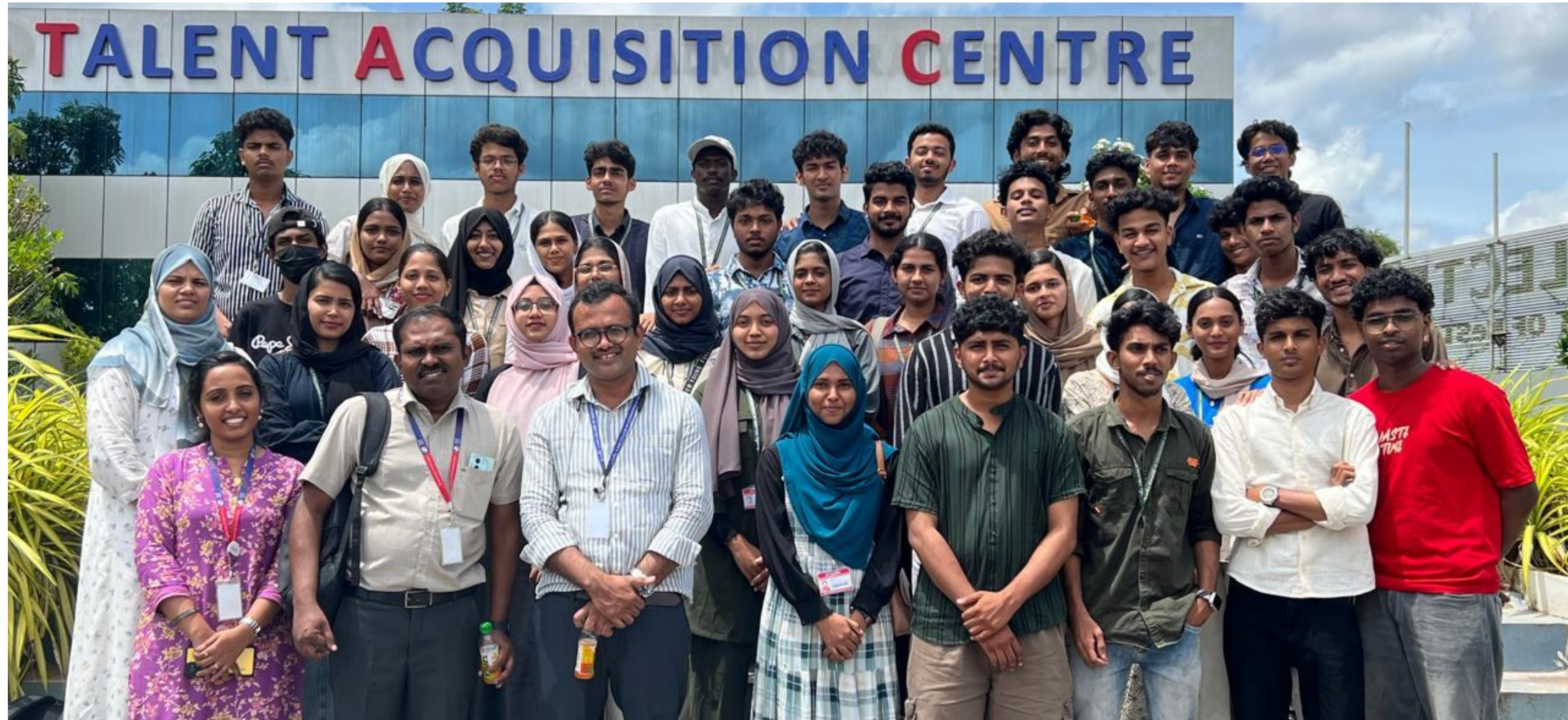
The Department of Artificial Intelligence and Cyber Security has established a new lab, named the AI Gemini Lab, specifically for students. Officially inaugurated on 21st May 2024, this cutting-edge facility aims to support student learning and innovation, providing them with advanced tools and technologies to deepen their expertise in AI and cybersecurity.



Rithu Reji, S6 AI&DS went as a resource person for IEDC orientation program at DC school of management and studies, vagamon



S3 AI & DS and S3 CC students participated in the zonal chess competition and proudly secured the 9th rank.



S3 AI students visited Nest Digital Lab as part of their Industrial Visit on 3rd October 2024.



**Course Completion Ceremony of Add on Course in Advanced Cyber Forensics By Alibi Global Pvt Ltd.**

Talk by Dr. Sunil S P  
"IMPACT OF MOBILE PHONES IN CYBER CRIMES."



S5 CC students visited Alibi Global as their part of Industrial visit



STUDENT ACHIEVEMENTS



**Amal K Anshad**  
1st In CTF Competition  
2nd In Basketball  
Placed as Intern In Saasvaap Inc  
Rix Developers



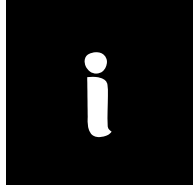
**Aslam T A**  
CTF Merit Award  
Runner Up 400 M



**Abdul Vahid**  
Won First Prize In Mr. Idukki  
Competition



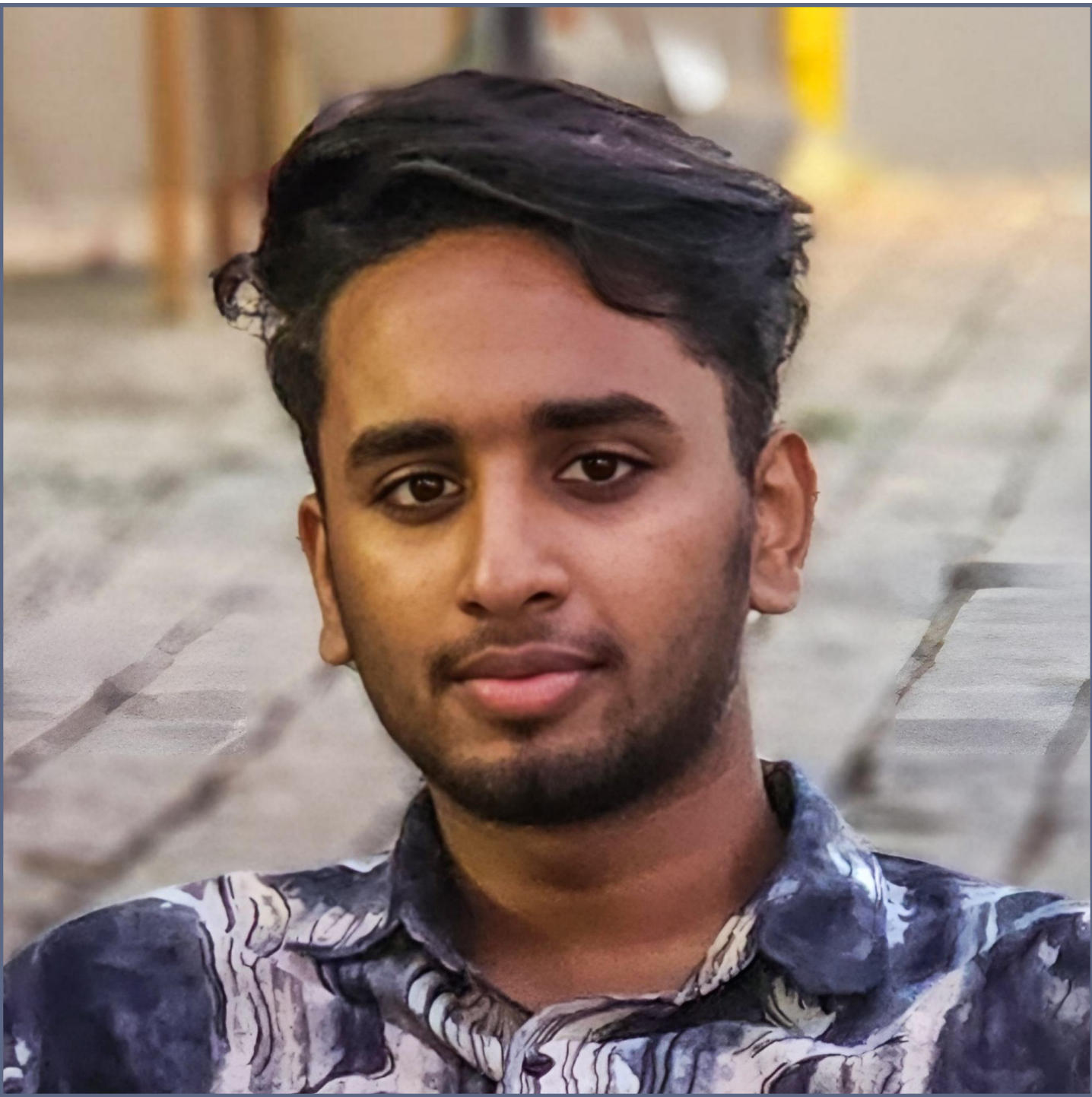
**Nida Navas**  
Shotput 1st



**Shahina C K**  
2nd Position Capture the Flag



**Sneha Liju**  
CSI EXICOM'24 Publicity  
Coordinator



**Joyal Santhosh**  
CSI EXICOM'24 JOINT SECRETARY  
Certified Ethical Hacker



**Jikku Abraham**  
CSI EXICOM'24 General Secretary



**Shahina Shajahan**  
CSI EXICOM'24 Vice Charman



**Baaseem V A**  
CSI EXICOM'24 Publicity  
Coordinator



**Mirshan T M**

First Placement in the  
Academic Year 2024-25

Congratulations  
Placed at

mitsogo

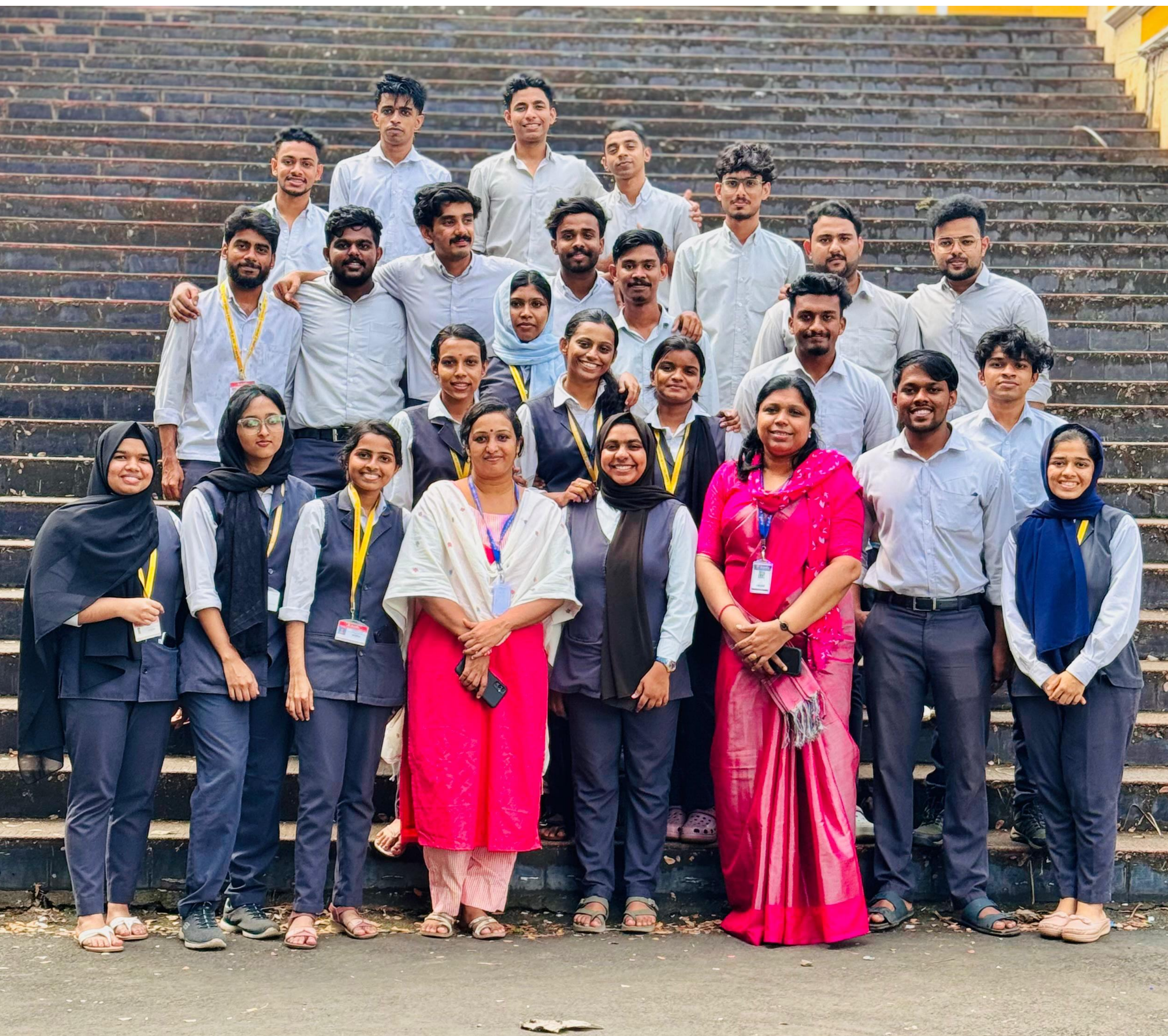


# *Glimpsess Of Ai Co*





# Glimpssess Of Ai Co



*Congratulations*  
**Ph.D AWARDED**



**Dr. ROSNA P HAROON**

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Defended Ph.D Thesis titled  
“Hybrid Text Summarization with Cluster Based  
Learning and Deep Learning Frameworks for  
Malayalam Language”

at **APJ Abdul Kalam Technological University**  
Thiruvananthapuram, Kerala



# Association Bearers



**Jefin John**

S7 AI  
**Chairman**



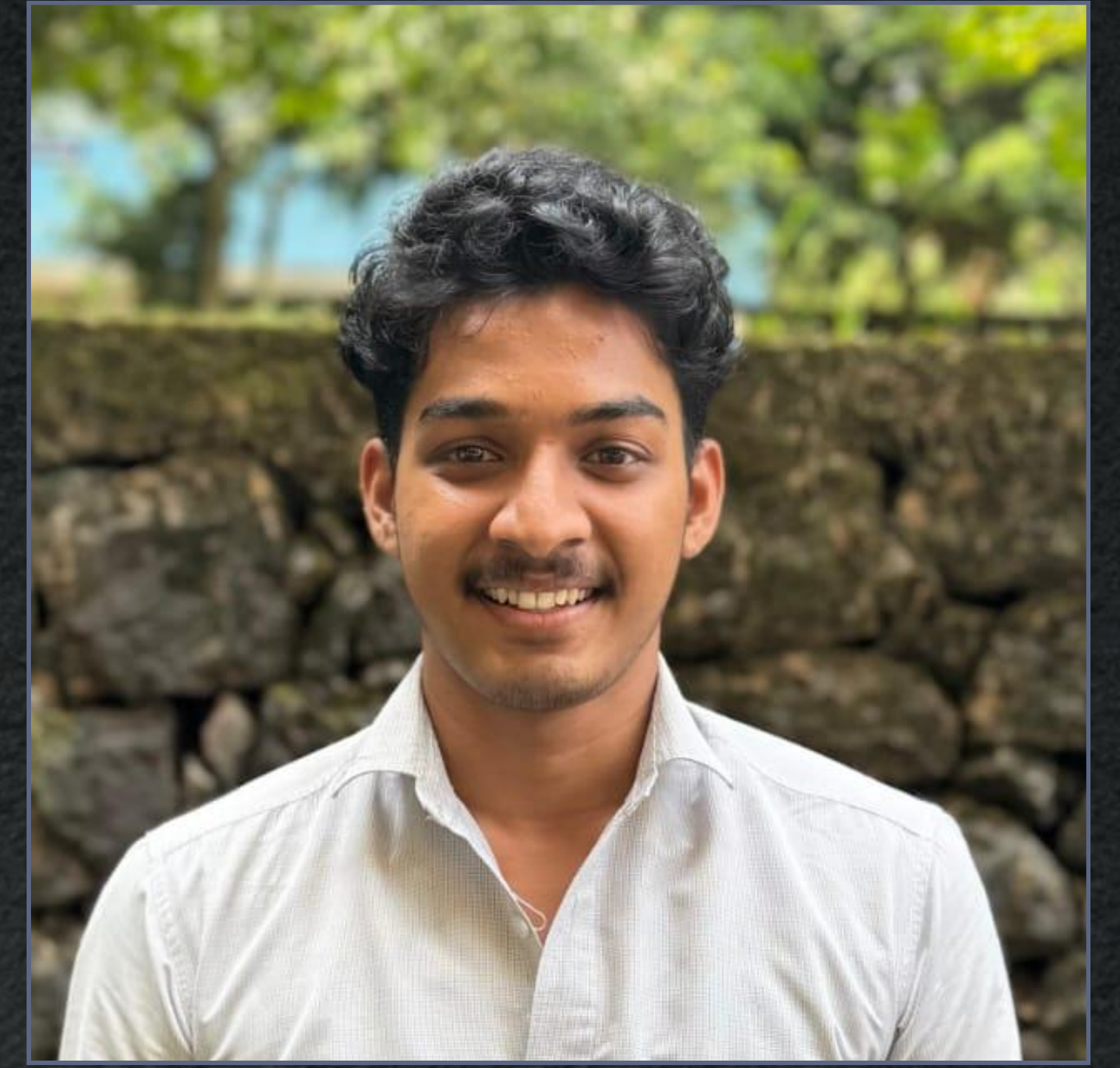
**Abins T A**

S7 CC  
**General Secretary**



**Amjadha Elyan**

S5 CC  
**Vice Chairman**



**Muhammed Basith**

S5 AI  
**Treasurer**



**Alvin Biju**  
S3 CC **Member**



**Ananda Krishnan**  
S3 AI **Member**



**Hassan Muhammed**  
S1 AI **Member**



**Sumaya Beevi S**  
S1 CC **Member**



**Abdul Alim**  
S7 CC **4th Year Representative**

## EDITORIAL TEAM



**Nurjahan V A**



**Sreela Chandran**



**Febina Fathima V**  
Content Writer



**Rithu Reji**



**Riswana Rasheed**



**Midhlaj Sidhick**



**Adam Nahan**



**Grigary Jose**



**Ahmed Salman**