CSI SCAS
STUDENT BRANCH

PG DEPARTMENT OF COMPUTER APPLICATIONS AND ARTIFICIAL INTELLIGENCE

ISSUE 2| VOLUME 1 | YEAR 2023

∞ ABOUT US

Computer Society of India (CSI) is a leading professional body for IT professionals all over India and aboard started in 1965. CSI represents India in several international bodies like SEARCC, UNESCO etc. The Computer Society of India (CSI) has Special Interest Groups (SIG) to support research and activities in a few key areas, such as cyber security, the Internet of Things (IoT), machine learning, and artificial intelligence, among others, as well as numerous initiatives for research and academics, such as publishing computer science papers in various journals by Springer. In 2021, Saintgits College of Applied Sciences established a Student Chapter of the CSI. The branch has around 70 members and is led by a Committee of students under the Guidance of a Head of the department Dr.Ambily Merlin Kuruvila and faculty co-ordinators Asst.prof.Johnsymol Joy and Asst.Prof.Saparna P. For the benefit of members, the chapter organizes monthly Technical Expert Lectures including webinars, Industry Integration Programs, Competitions like Online and offline coding Quiz, Gaming competitions etc.

CONDUCTED PROGRAMS

The recent Industry Integrated Programs at our institution covered a range of topics in the field of IT. The programs included a workshop on Brochure designing with templates using PSD, a session on the implementation of web sockets protocol, and a hands-on workshop on POWER BI. Additionally, the programs covered reports generation using Jasper Report in Java and D3 charts in Java, and explored the impact of RPA on the way we work. These Industry Integrated Programs provided a platform for students to enhance their technical skills, gain practical knowledge and explore emerging technologies in the industry

- **NATIONAL LEVEL WEBINARS**
- **NATIONAL LEVEL WORK SHOPS**
- **ONLINE - OFFLINE QIZES**
- **COMPETITIONS**
- **HANDS - ON SESSION**
- **IIP**

GPS Map Camera

Pathamuttam, Kerala, India
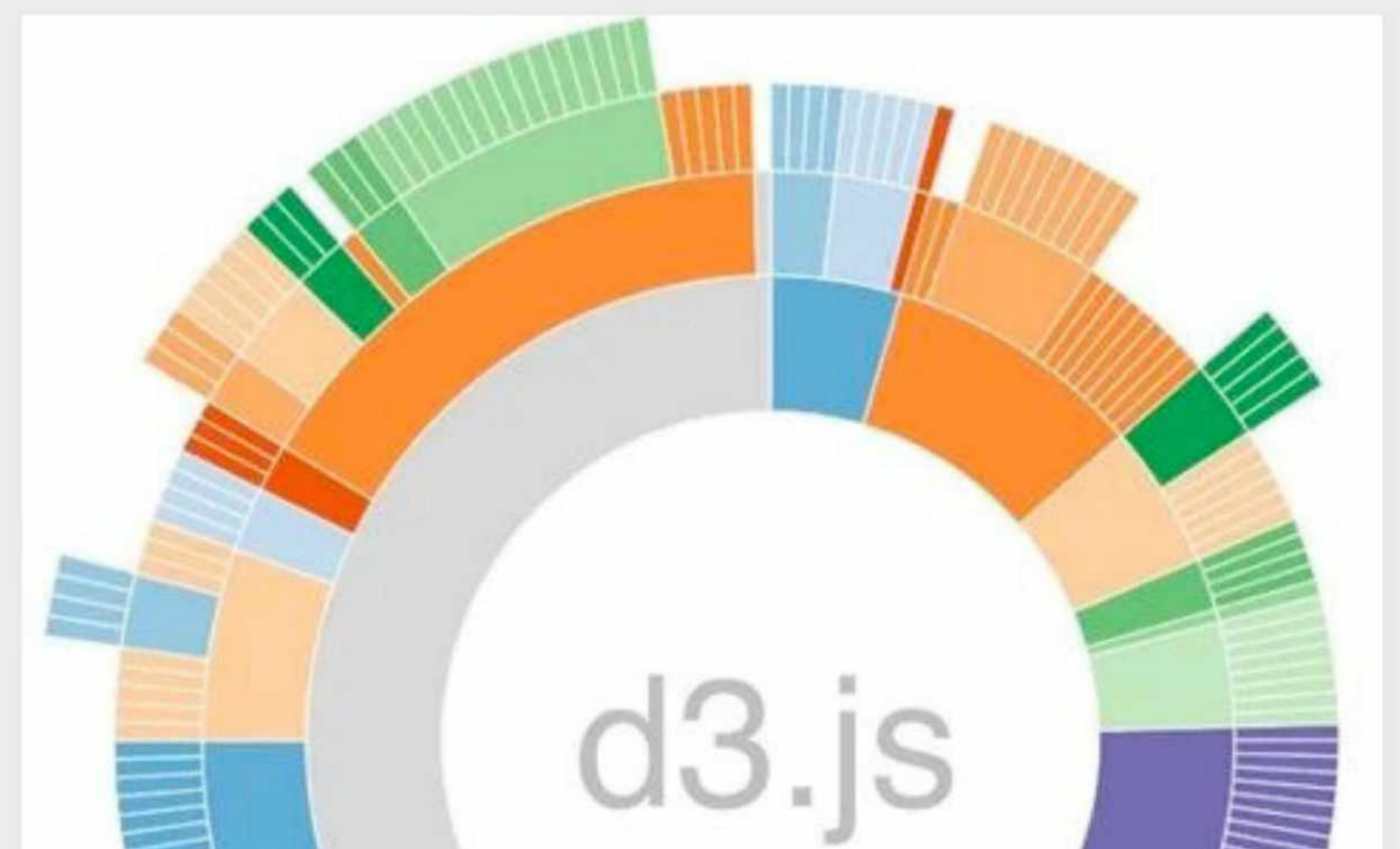Kottukulam Hills, Pathamuttom P. O, Pathamuttam, Kerala 686532, India
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JASPER REPORTS & D3 CHARTS PROGRAM

The Postgraduate Department of Computer Applications and Artificial Intelligence organized an industry-integrated program on 12th August 2022. The program aimed to equip BCA Third year students and MSc. Artificial Intelligence students with practical insights into Jasper Reports and D3 Charts in Java.

Mr. Tijo P Elias, a System Engineer from Tata Consultancy Services, served as the resource person for the program. The event witnessed the participation of 76 students.

The program covered Jasper Reports, a leading reporting library for Java applications. Participants learned about report generation, design customization, and integration of Jasper Reports into Java projects. Practical exercises allowed them to gain hands-on experience in generating professional reports efficiently.The program also introduced D3 Charts in Java, a dynamic and interactive data visualization library. Attendees learned to create visually appealing charts and graphs using D3 in Java. They explored various chart types and advanced visualization techniques.

The program concluded successfully, leaving the participants inspired and equipped with practical skills for their future careers. The organizers were commended for their efforts in providing an informative and engaging learning experience. By bridging the gap between reporting and visualization, the program enabled students to stay updated in the ever-evolving field of technology, ensuring they are well-prepared to tackle real-world challenges.

INSIGHTS ON RPA AND ITS IMPACT ON WORK PROCESSES

The Department of Computer Applications and Artificial Intelligence organized an industry-integrated program on 18th November 2022. The program aimed to provide BCA First-year and MSc. AI students with valuable insights into Robotic Process Automation (RPA) and its transformative potential in shaping the future of work.
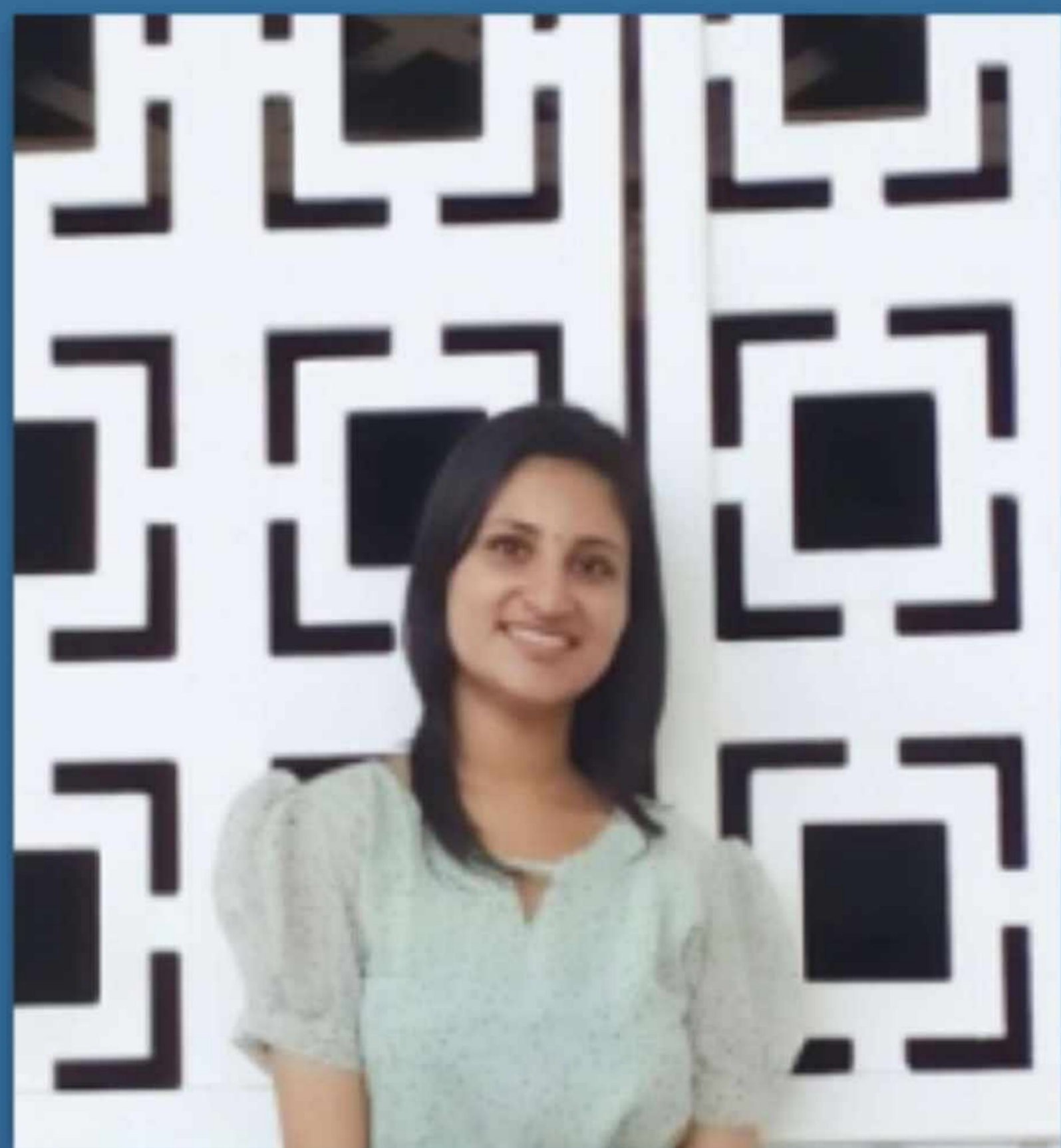
Mr. Sojan Thomas, a Senior Associate Consultant from Infosys, served as the resource person for the program,which witnessed the participation of 86 students.The program covered the fundamentals of RPA, including process automation, bot development, and workflow orchestration. Practical demonstrations and case studies highlighted the practical applications of RPA in streamlining business processes.

The program concluded successfully, leaving the attendees inspired and equipped with a deeper understanding of RPA's role in shaping the future of work. The participants expressed their gratitude for the opportunity to learn from an industry expert and acquire valuable insights for their future careers.

The program aimed to prepare students for the evolving professional landscape by exploring RPA's impact on the future of work. The Department of Computer Applications and Artificial Intelligence remains committed to providing cutting-edge educational opportunities to ensure students stay ahead in the rapidly evolving field of technology.

UNLOCKING THE POTENTIAL OF DATA VISUALIZATION: INSIGHTS FROM AN INDUSTRY EXPERT ON POWER BI

MISS. NIVYA NIDHIKUMAR

The PG Department of Computer Applications and AI, in association with CSI, organized an Industry Integrated Program on 7th January 2023 and a Handson session on 25 th January 2023. Both programs focused on Power BI, a powerful business intelligence tool introduced by Microsoft. Ms. Nivya Nidhikumar, a Junior Software Engineer from Cognizant, led the session.

Power BI enables organizations to transform raw data into visually appealing dashboards, facilitating data-driven decision-making. Ms. Nivya explained the functionalities of Power BI Desktop and POWER BII Services, the two main applications used for data visualization and analysis.During the session, students were introduced to free resources for learning Power BI, such as Udemy's "Learn Power BI Basics for Free" course, Coursera's "Power BI Report Development Crash Course.

Overall, the Industry Integrated Program and Hands on session on POWER BI was a great success, providing students with valuable insights into the world of data visualization and its applications. We would like to extend our gratitude to Miss. Nivya Nidhikumar for sharing her expertise and for leading such an informative program. We look forward to more such initiatives by the CSI chapter of our college to provide students with opportunities to learn from industry experts and enhance their skills.

WORKSHOP ON BROCHURE DESIGNING USING PSD: A PRACTICAL APPROACH FOR BCA STUDENTS

AMAL T SHUJA

The workshop on Brochure Designing with Templates using PSD was organized by the Computer Society of India (CSI) chapter of our college. The program aimed to equip first and second-year BCA students with the practical skills and knowledge necessary to design visually appealing brochures using Adobe Photoshop.

The workshop was conducted in two sessions, one for first-year students on January 10th, 2023, and the other for second-year students on February 6th, 2023. The first session was led by Final Year BCA students Amal T Shuja, Abhijith Suresh, Alan Aby Neelangara, and Shelvin Sunil.They provided an overview of brochure designing, discussed the importance of creating brochures that reflect the organization's brand identity, and demonstrated how to use pre-designed templates to create visually stunning brochures. The session also included a hands-on exercise where students had the opportunity to design their own brochures using the techniques and templates provided.

The second session was conducted by the same Final Year BCA students, along with Sandheep Suresh R, and focused on building upon the concepts covered in the first session. The session provided a more in-depth overview of Adobe Photoshop, including advanced techniques for working with text, images, and layers. Overall, the workshop was a great success, providing students with practical skills and knowledge that they can apply in their future careers.

ALAN ABI NELLENGARA

IMPLEMENTING WEB SOCKETS PROTOCOL: A BREAKTHROUGH IN THE INDUSTRY INTEGRATED PROGRAM

MR. JOHN A THAZATH

The PG Department of Computer Applications & Artificial Intelligence, in association with CSI, organized an Industry Integrated program on January 21, 2023. The program aimed to provide students with valuable insights into the implementation of WebSockets and its role in intelligent service management.

Mr. John A. Thazhath, a Senior Software Engineer from Genesys, Chennai, was the esteemed resource person for the session. He shared his expertise on WebSockets and discussed its significance in the industry-leading service management platform. The focus was on leveraging WebSockets to enhance user experiences and drive intelligent, people-centric service management.
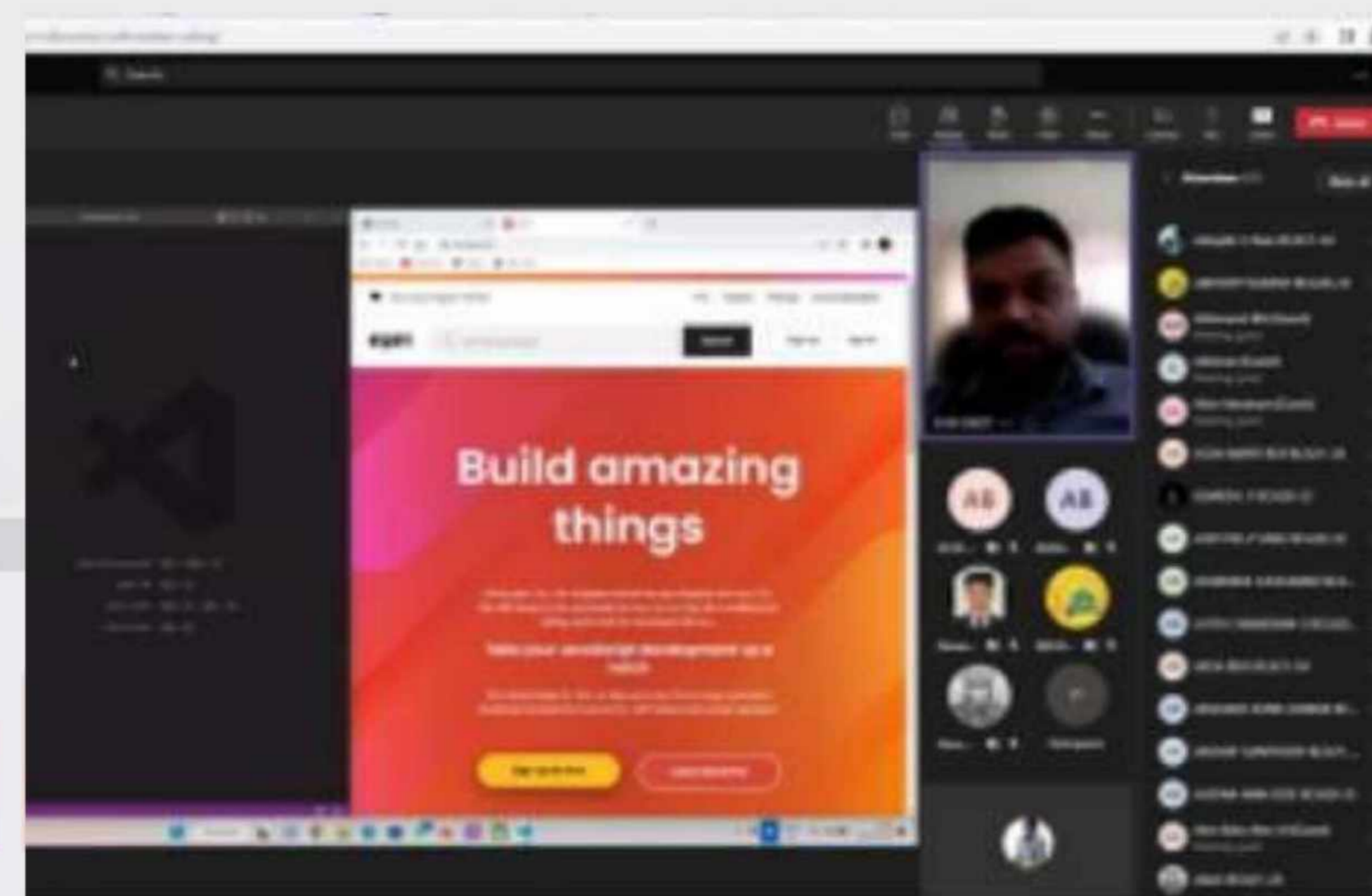
During the program, students had the opportunity to delve into the practical applications of WebSockets and explore how intelligent automation can transform best-practice IT service management principles. The session highlighted how businesses are adopting these technologies to solve challenges and gain a competitive edge in the market.

The program concluded successfully, leaving participants equipped with valuable industry insights.

The PG Department of Computer Applications & Artificial Intelligence, in collaboration with CSI, remains committed to providing students with opportunities to gain knowledge in emerging technologies and prepare them for the dynamic world of IT.

TECHNICAL OFFLINE QUIZ: C & C++ - ORGANIZED FOR FIRST-YEAR BCA STUDENTS

The PG Department of Computer Applications and Artificial Intelligence, in association with SCAS CSI student branch, organized an offline technical quiz competition on 16th September 2022. The competition focused on programming languages C & C++ and featured multiple-choice questions. It was conducted by second-year students for the first-year students.

The winners of the competition are as follows:

1st Position: Niraj P Nitin

2nd Position: Richard Christy

Pinson

3rd Position: Arpitha Asokan

Congratulations to all the winners for their remarkable performance in the technical quiz competition. The event provided an opportunity for students to showcase their knowledge and skills in programming languages and foster healthy competition within the department. The PG Department of Computer Applications and Artificial Intelligence, along with the SCAS CSI student branch, continues to organize such events to promote technical excellence and encourage learning among students.

GPS Map Camera

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COMPUTER LITERACY DAY CELEBRATION: POSTER MAKING COMPETITIONS

A Poster Making Competition on the topic of "World Computer Literacy Day" took place on 2nd December 2022 from 9.15 AM to 10 AM as part of the Computer Literacy Day celebration. The competition was inaugurated by Dr. K K John, the Principal of Santgits College of Applied Sciences. Dr. Ambily Merlin Kuruvilla, HOD of the PG Department of Computer Applications and Artificial Intelligence, delivered a speech emphasizing the importance of computer literacy.

The competition saw active participation from 38 students of the BCA program. The event was coordinated by Ms. Nandana P, a second-year BCA student who played a key role in organizing the program.

The winners of the Poster Making Competition are as follows:

First Prize: Alwin and Abhishek A K (C3)
Second Prize: Abhijith G Nair and Navaneeth M (C3)
Third Prize: Devanandha and Gayatri Manoj (C1)

Congratulations to the winners for their outstanding creativity and efforts in creating meaningful posters on the theme of World Computer Literacy Day. The event provided an opportunity for students to showcase their artistic skills while raising awareness about the importance of computer literacy. The PG Department of Computer Applications and Artificial Intelligence, along with the college administration, continues to promote such activities to encourage students' overall development and foster a culture of computer literacy.

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ONLINE TECHNICAL QUIZ COMPETITION

The PG Department of Computer Applications and Artificial Intelligence organized an Online Technical Quiz Competition on 19th October 2022. The competition was conducted live using the platform Quizziz.com.
:The competition provided an engaging platform for participants to test their technical skills and knowledge in a competitive environment. The PG Department of Computer Applications and Artificial Intelligence continues to organize such events to promote learning, healthy competition, and overall development among students.
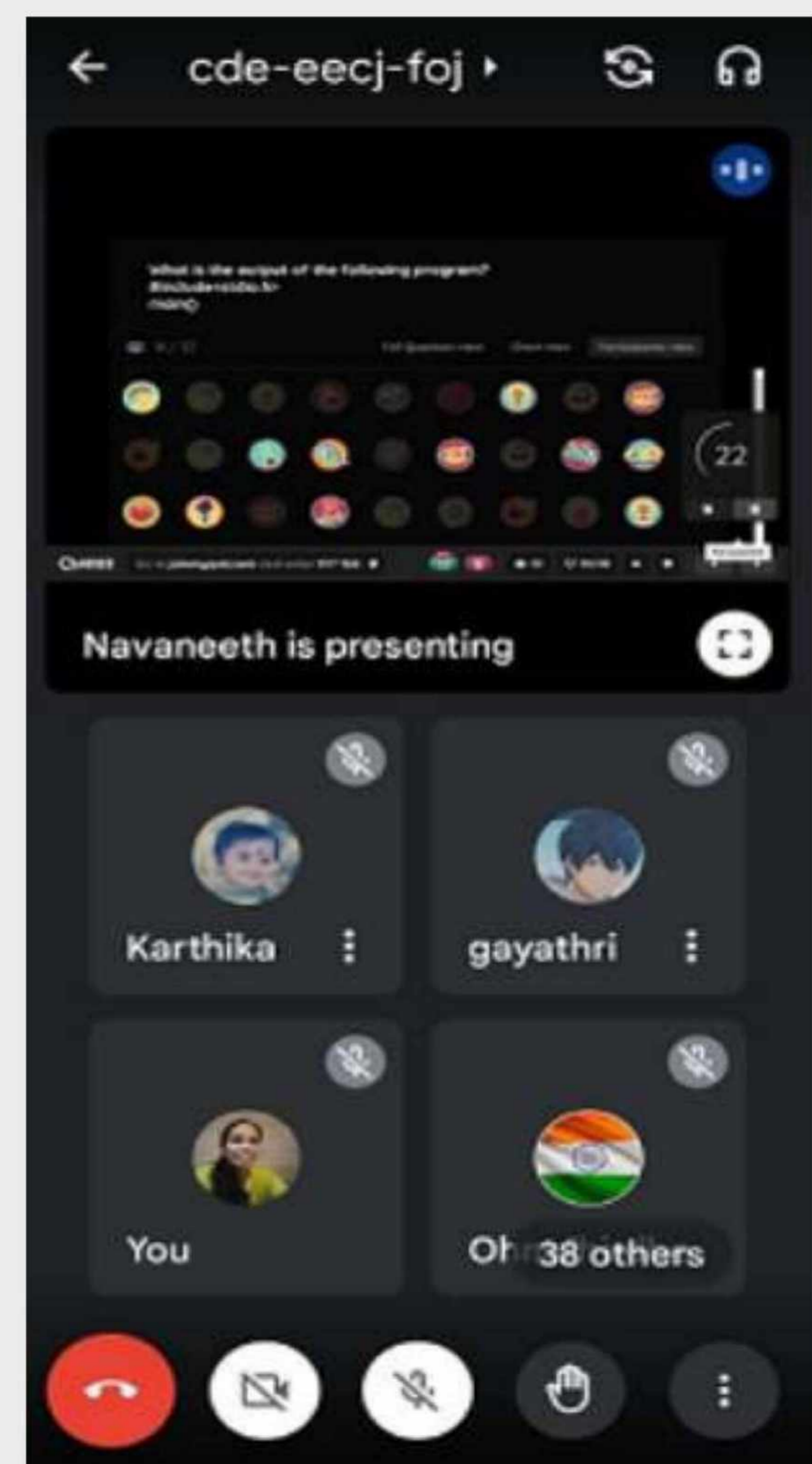We are pleased to announce the winners of the competition

1st Position: Devanandha S (C1)
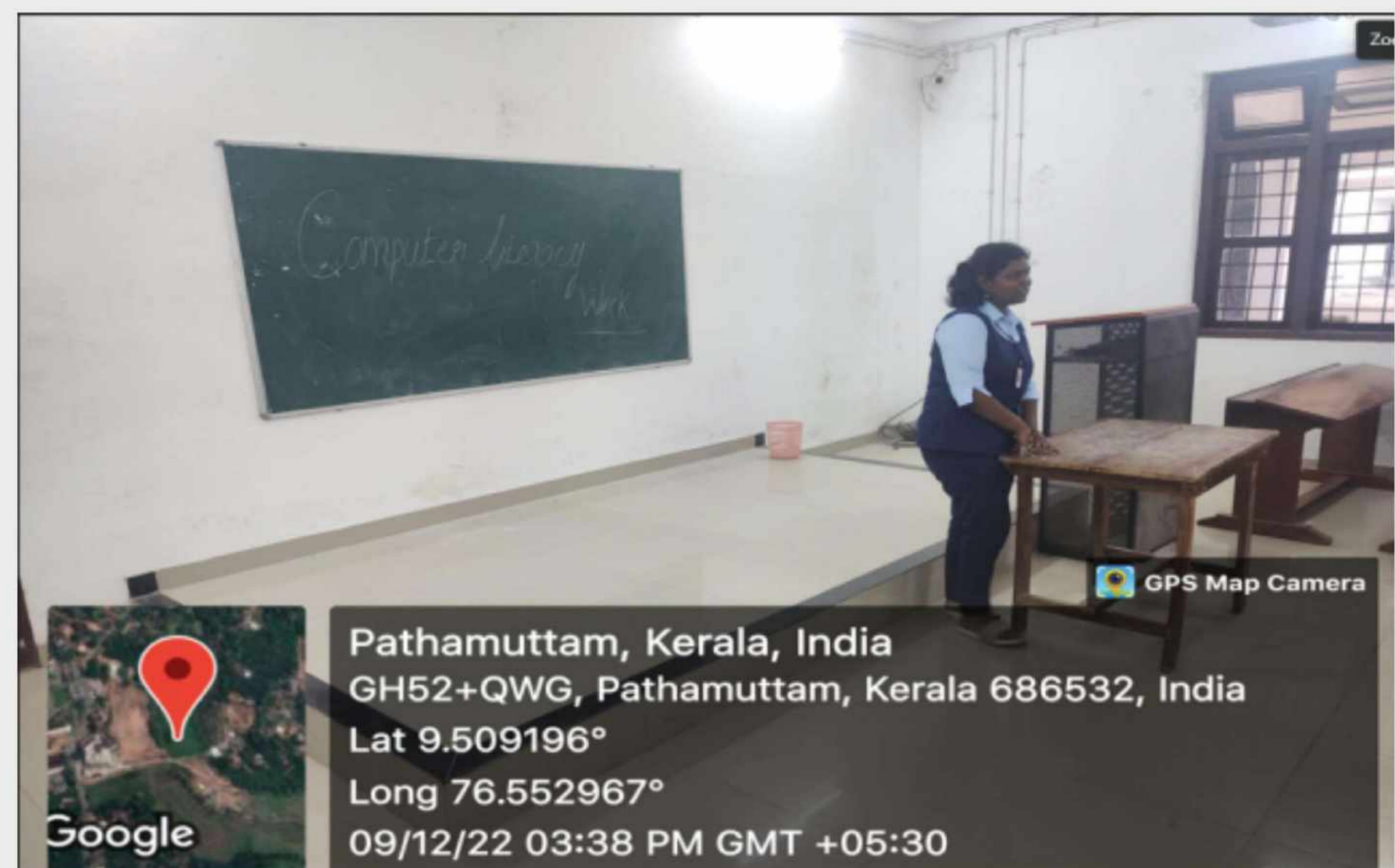2nd Position: Adithraj N (C1) 3rd Position: Ohmdhirdhe (C1)
Congratulations to Devanandha S for securing the 1st position, Adithraj N for securing the 2nd position, and Ohmdhirdhe for securing the 3rd position in the Online Technical Quiz Competition. Their exceptional performance demonstrated their knowledge and understanding of technical concepts.

EXPLORING IT TRENDS :ELOCUTION COMPETITION SERIES

December 2nd is the world Computer Literacy Day. PG Department of Computer Applications and AI in association with CSI SCAS Student branch celebrated the first week of December as Computer Literacy week and conducted a series of Elocution competitions on the topic Recent Trends in IT Industry. Students were presented their ideas on different new Digital Technologies like Virtual Reality, Augmented Reality, Various Social Media Frameworks, IOT etc. Mr.Jeeval Jolly, second year BCA got first prize.

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SAINTGITS
COLLEGE OF APPLIED SCIENCES
KOTTAYAM, KERALA

#SAINTGITS

PG DEPARTMENT OF COMPUTER APPLICATIONS AND ARTIFICIAL INTELLIGENCE

in association with
COMPUTER SOCIETY OF INDIA(CSI)
COCHIN CHAPTER

DATE : 1ˢᵗ Week ,December

Computer Literacy Week
"Elocution Series on Recent Trends in IT Industry"

MsJohnsymol Joy
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H.O.D

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