



IEEE
SNGCE SB

IEEE SNGCE
STUDENT BRANCH



IEEE
Advancing Technology
For Humanity



NEWSLETTER
2022

IEEE SNGCE STUDENT BRANCH



IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity. IEEE and its members inspire a global community through its highly cited publications, conferences, technology standards, and professional and educational activities .

The IEEE SB of SNGCE was inaugurated on 6th March, 2005. The SB regularly organises a variety of technical events that facilitate student members in shaping their engineering careers. As forerunners of a better future, we recognise that such events are critical in shaping a future full of capable engineers.

MESSAGE FROM THE BRANCH COUNSELLOR

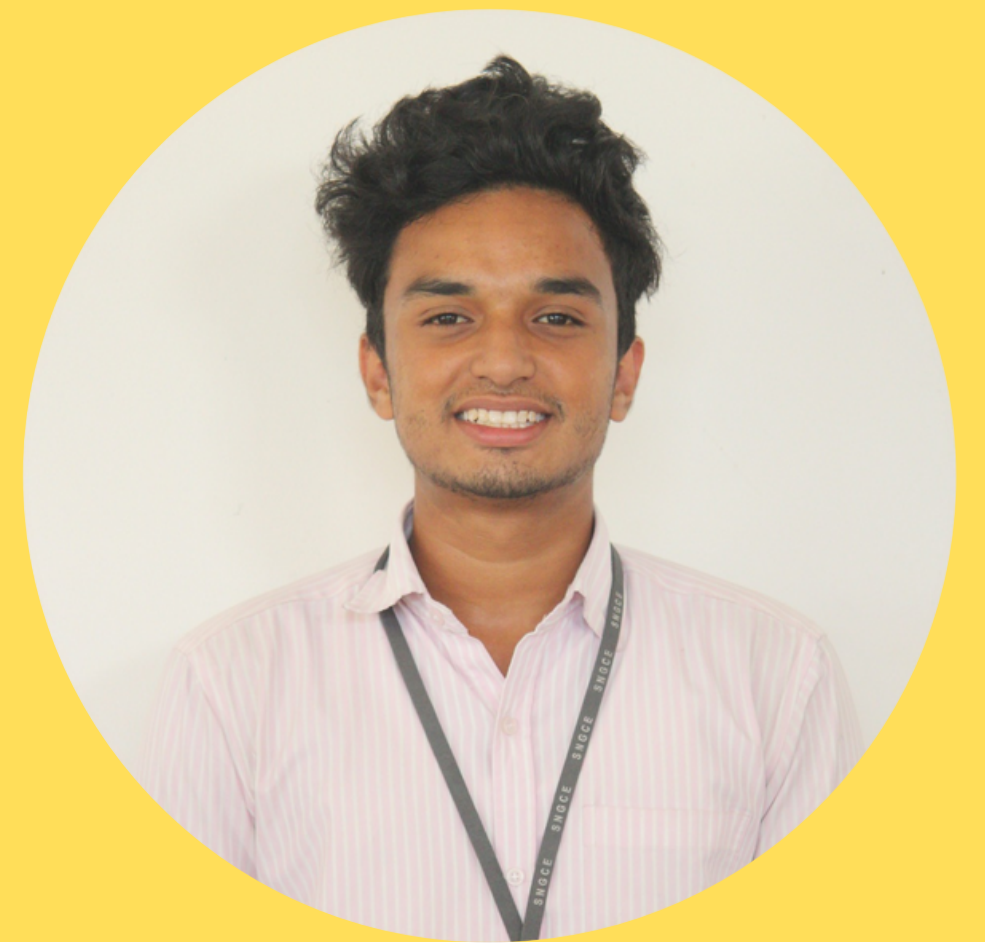


“The best way to predict the future is to create it” – Peter Drucker

It is indeed my great pleasure that our IEEE team is publishing newsletter which shows the growth of IEEE SB SNGCE which scaled new heights in bringing quality activities which will remain as pointers to the achievements and aspirations of the IEEE team. An IEEE student branch aims at providing its vibrant student members, oppportunities to gain indepth knowledge, tremdous experience in the field of science and technology, teamwork and leadership management.

I congratulate and appreciate the outgoing IEEE EXECOM SB SNGCE for bringing out such a masterpiece and I am sure that the activities will grow into higher levels and an inspirations to the budding talents in the forthcoming years...Let this newsletter be a benchmark for the success to come...

MESSAGE FROM THE BRANCH CHAIR

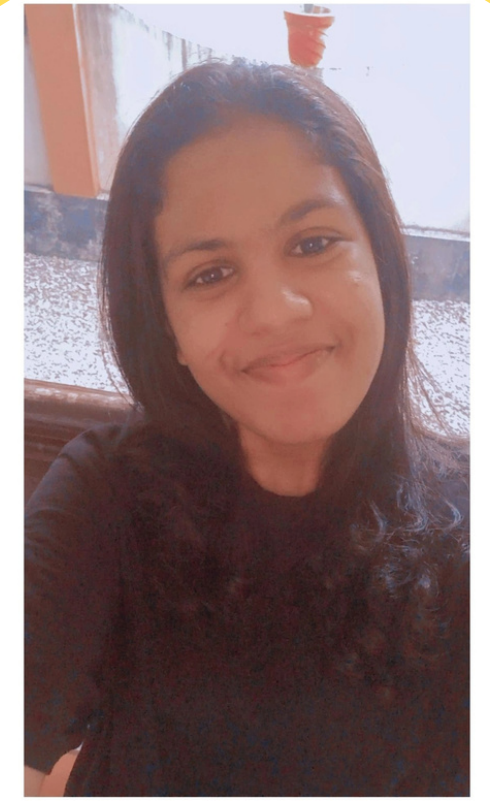


“If a window of opportunity appears, don't pull down the shade.”

~Tom Peters

With the aforementioned quote, I'd like to share my experience of being a student member of IEEE. It was because of Mr. Arun P Madhu, my dear senior, that I was given the chance to join this professional organization, providing me an opportunity to connect, communicate, and learn from colleagues. He informed me of this organization and invited me to work with him to revive it after it touched rock bottom in the previous years. Together with students from each class, Arun and I gave IEEE SB SNGCE life. Arun initially served the role of Chair, while I served as Vice-Chair. He eventually graduated and gave me the Chair post. Today, my SB hits a startling figure with 100+ members. Being the Chair of IEEE SB SNGCE for a time was enjoyable and fulfilling. Even with the challenges, I still appreciated my team and my SB. I have many friends in and around my SB because of IEEE. Looking back, I'd like to say that I wouldn't have been able to get to where I am today if I hadn't been able to seize that brief window of opportunity. I currently serve as the IEEE SB SNGCE Chair and an IEEE Kochi Subsection Student Volunteer. I want to express my gratitude to everyone who helped me get here. My advice to the new members is to always make the most of what you have and never pass up life's opportunities.

MESSAGE FROM THE BRANCH SECRETARY



“LIVE LIFE TO THE FULLEST, AND FOCUS ON THE POSITIVE”
: MATT CAMERON

As we know, where there's a will, there's a way. Actually, this is my first opportunity to be a part of IEEE & am really glad for that. Before joining as an IEEE member, I did not have as many idea about it. But when I hold on the position as the branch secretary, I realized that it is not like a roller coaster, where just buying a ticket will ensure your fun and predetermined ride. It's like self rowing boat in an ocean of opportunities and knowledge. It will ensure a bright future for the students. It really helps me to cope up with different situations.

I request all the members to make use of it and to participate in the joy of volunteering with IEEE, where your effort and contributions in this field will guarantee your growth.

I wish all the members of our SB a unique and inspiring journey with IEEE.

IEEE SNGCE STUDENT BRANCH

VISION

The primary purpose of the IEEE student branch is to Inspire, Enable, Empower and Energize our student members to enhance their technical interests by providing them a platform to showcase their skills. We strive to bring out the best from our students with utmost love, care and mentorship.

MISSION

- To arrange for regular events on the campus specifically dealing with the latest technologies.
- To increase the Membership Retention, though the benefits of IEEE.
- To organize technical awareness programs for young professionals.
- To form more Special Interest Groups to encourage project activity among the student members
- To kindle student's interest in making new papers and projects.
- To strive towards achieving more IEEE-sponsored awards and aim at representing papers in international conferences.
- To provide better exposure to each individual to the outside world of technology.
- To enhance interrelations of multiple IEEE branch in the state.

EXECOM 2022



Asst.Prof Prathibha Varghese
Branch Counsellor



Vishnu s
CHAIR



Aleena Ranju
Secretary



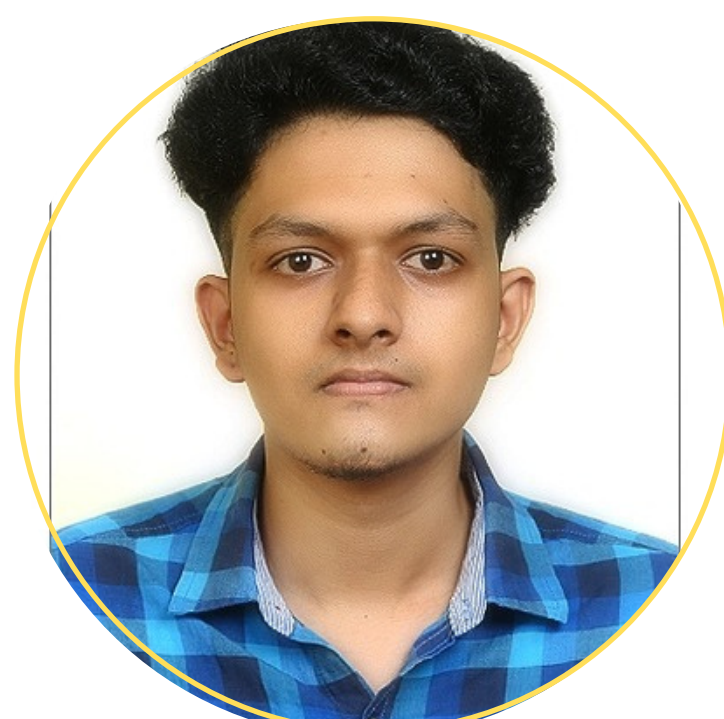
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Vice-Chair



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COMPUTER SOCIETY 2022



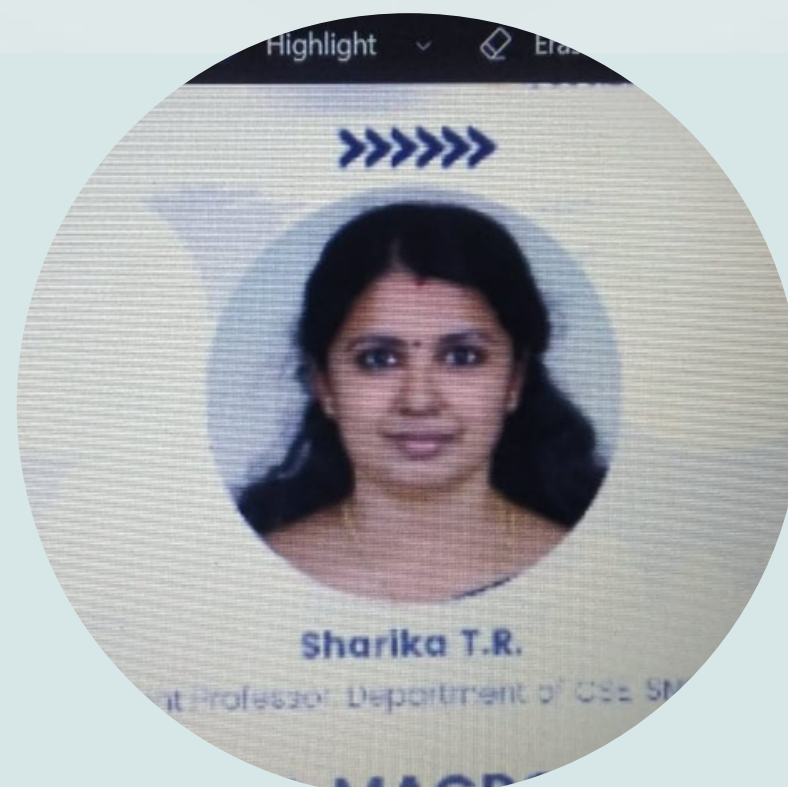
SREERAG K
TREASURER



DONA SHAJI
WOMEN IN COMPUTING



MIDHUN RAJ
STUDENT ACTIVITY COORDINATOR



Sharika T.R
Chapter Advisor

EVENTS

Technical Event:-

1. Just a minute

Date: 9th March 2022

Venue: Google Meet

Duration: 1hour 30mins.

Audience: 40



Just A Minute (JAM) was one of the events organized at the SB. JAM was organized by Arun P Madhu and Vishnu S. The event was organized during the science week. To bring out the awareness of science week. The event was conducted online through Google meet. With not less than 40 participants, the competition excelled. The student members were thrilled and fought bravely against the time to stand the whole minute. Among the 40 members 18 students participated and 2 students were selected for the exemplary display of their work. The competition was a grand success.

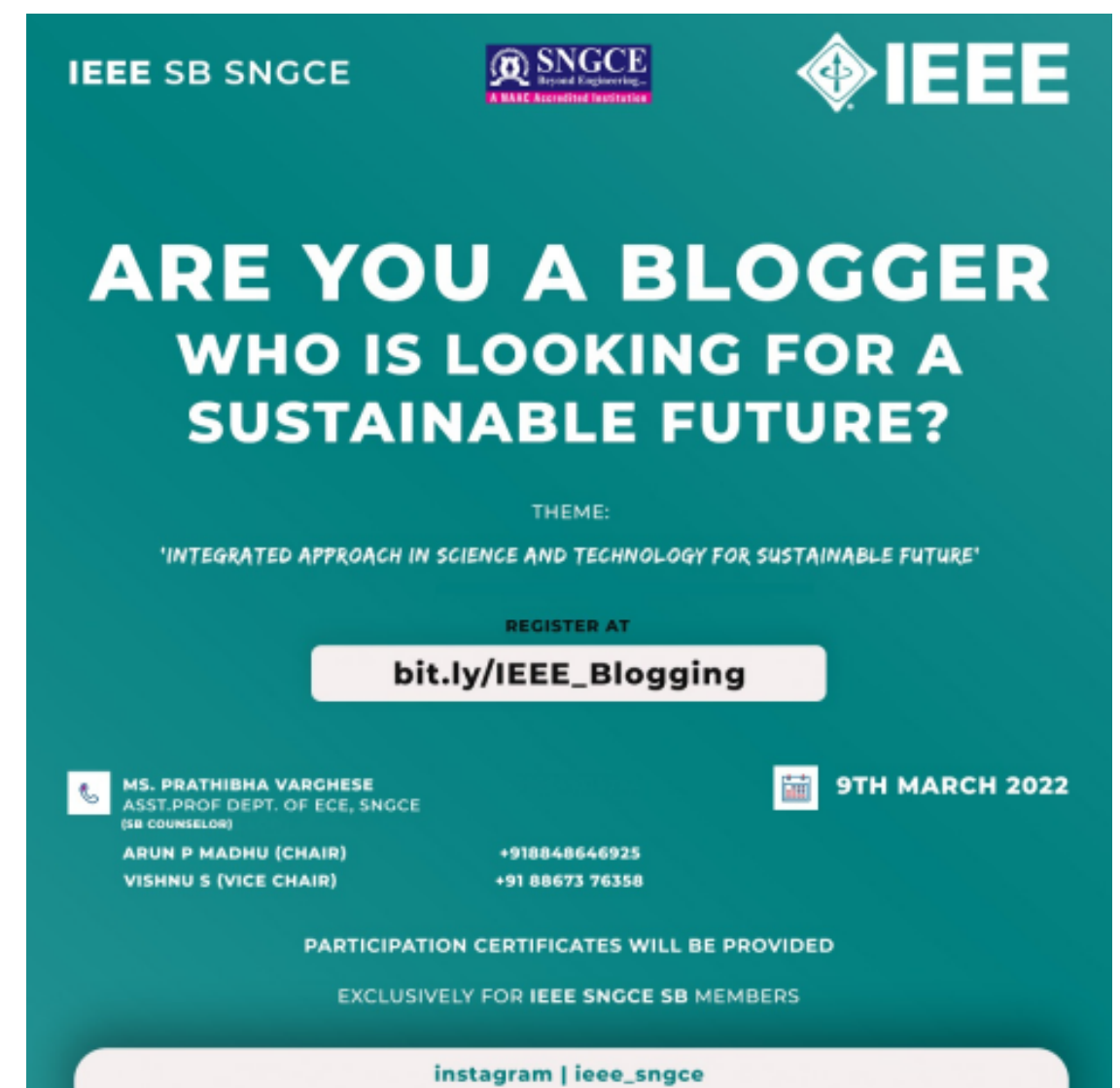
2. BLOGGING COMPETITION:

Date: 8th to 9th March 2022

Venue: Google Meet

Duration: 1 day and 2 hours.

Audience: 36



The blogging competition was conducted from 8th to 9th March between 7 pm to 9 pm. Students were given the theme “Integrated Approach in Science and Technology for Sustainable Future”. The event was conducted during science week to bring out awareness about science week and sustainability. Arun P Madhu and Vishnu S. coordinated the event and were a great success. With the active participation of 35 students, 2 students were selected for their best blog writing skill.

3. IDEA PITCHING:

Date: 8th to 9th March 2022

Venue: Google Classroom

Duration: 1 day and 2 hours.

Audience: 36



Idea pitching was conducted at SB to bring out fresh ideas from the students. Idea pitching helped in identifying young entrepreneurs. The participants were given the theme “Integrated Approach in Science and Technology for Sustainable Future”. The students submitted incredible ideas for the event. The event was conducted as part of science week.

4. Pi- The King of Constants

Date: 14th March 2022

Venue: Google Meet

Duration: 1 hour

Audience: 75



On behalf of International Pi Day, the SB conducted a webinar on it. The session was handled by Dr. Vijesh V.V., associative professor of the science and humanities department, SNGCE. The topic was “PI THE KING OF CONSTANTS”. The meeting started with prayer, and a code of ethics, followed by a welcome speech, webinar, and vote of thanks. At the end of the meeting quiz competition were also conducted. Dr. Vijesh shared his vast knowledge about pi the infinitely long, irrational number.

5. Python Workshop

Date: 9th May 2022

Venue: SNGCE, Systems Lab ECE dept.

Duration: 6 hours

Audience: 30



A full-day hands-on workshop was conducted at the systems lab. The Workshop gave our members an opportunity to clear their python doubts and gain further knowledge. Python is the latest language used worldwide. The students got to learn the basics of python which helped in understanding the benefits and it's scope in the software field.

6. Webinar- Computer Vision Application

Date: 30th May 2022

Venue: Google Meet

Duration: 1 hour

Audience: 45



The SB organized a webinar on the topic of Computer Vision Application. The session was handled by Dr. Deepak Mishra, Professor and Head of the Department of Avionics, Indian Institute of Space Science and Technology, Trivandrum. The meeting was very helpful for the students as they could interact with a man with high experience in his field of study. The webinar had the active participation of 45 members who were eagerly listening to Dr. Deepak.

7. Robotics Workshop

Date: 10th July 2022

Venue: Christ College of Engineering

Duration: 6 hours

Audience: 14



IEEE SB SNGCE and IEEE SB CCE joined hands together and conducted a workshop and competition in Robotics. A team of 14 students visited Christ College of Engineering, where Mr. Sunil Paul the Branch Counsellor of IEEE SB CCE taught us the basics of Arduino board. The students had a hands-on experience with the Arduino board. The students-built Line Follower Bot using Arduino.

8. WEBINAR- WEB2PY

Date: 16th October 2022

Venue: Google Meet

Duration: 2 hours

Audience: 68



IEEE CS SBC SNGCE conducted Web2py Webinar sessions virtually using the google meet platform. The event was handled by Mr. Dileep Kumar K, System Analyst, College of Applied Science, Kottayam. The event was held at 07:00 pm on 16th October 2022 and was attended by over 70 IEEE SB SNGCE members. During the session, Mr. Dileep explained the working and features of web2py. The session was well-loved by the participants.

9. Webinar-Introduction to Virtual Reality

Date: 17th October 2022

Venue: Google Meet

Duration: 1 hour

Audience: 68



IEEE CS SBC SNGCE together with College Of Engineering Munnar SBC, Vishvajothi SBC and CS kerala Chapter. conducted Introduction to Virtual Reality Webinar session virtually using google meet platform. The event was handled by Mr. Shyam Prasad Alil, YP Coordinator, PES Kerala Chapter. The event was held at 08:00 pm on 17th October, 2022.



10. Webinar- COMMAND LINE INTERFACE

Date: 19th October 2022

Venue: Google Meet

Duration: 2 hours

Audience: 53



A webinar on Command Line Interface was conducted via google meet by the Webmaster of IEEE SB SNGCE Justin Jacob. Justin Jacob being a student himself was able to share his knowledge with his fellow students. The students learned a lot from the young teacher. The event was pretty entertaining.

11. Aptitude Quiz

Date: 26th October 2022

Venue: PG Seminar Hall, PG Block, SNGCE

Duration: 1 hour

Audience: 150



As part of orientation of IEEE and its activities in the SB to the freshers IEEE CS SBC SNGCE conducted a technical quiz. The quiz was conducted offline for around 150 freshers. The quiz was conducted in two rounds. The students actively participated.

12. Thought Bots Quiz

Date: 15th November 2022

Venue: Quizziz Platform

Duration: 1 hour

Audience: 65



The main theme of the event is to check technical knowledge. Students can assess themselves and know where they stood. This type of quiz builds self-confidence and helps to rectify their mistakes. This Quiz is for beginners who are new to Programming. This quiz provides Multiple Choice Questions to get familiar with gate-level questions and the Quizziz platform.

13. Workshop on Python and ML

Date: 21st and 22nd November 2022

Venue: Aditya Lab, SNGCE

Duration: 6 hours

Audience: 63



CS SBC SNGCE in collaboration with Hive, Dept association of CSE, SNGCE arranged a 2-day workshop focusing on S3 students on the topic- Python, and ML. In this hands-on session students learnt the basics and working of various ML algorithms etc.

14. A Guide to Macro Projects Using JSP And MYSQL

Date: 21st November 2022

Venue: Aditya Lab, SNGCE

Duration: 2 hours

Audience: 63



A project guide class on JSP and MYSQL was conducted by IEEE CS SBC SNGCE and Hive, Dept Association of CSE together to help students currently working on projects. The interactive session was handled by Ass. Prof. Sharika TR, Dept of CSE, SNGCE.

15. Functional Paradigms of RUST

Date: 23rd November 2022

Venue: Param Lab, SNGCE

Duration: 7 hours

Audience: 53



A full-day workshop was conducted on the new programming language called RUST. The IEEE CS SBC SNGCE organized the workshop for the students of IEEE SB SNGCE. Mr. Arvin Joestus 3rd year CSE also the Technical coordinator of IEEE CS GECI was the resource person. He being young and fun filling got a good time sharing his knowledge on RUST to the students.

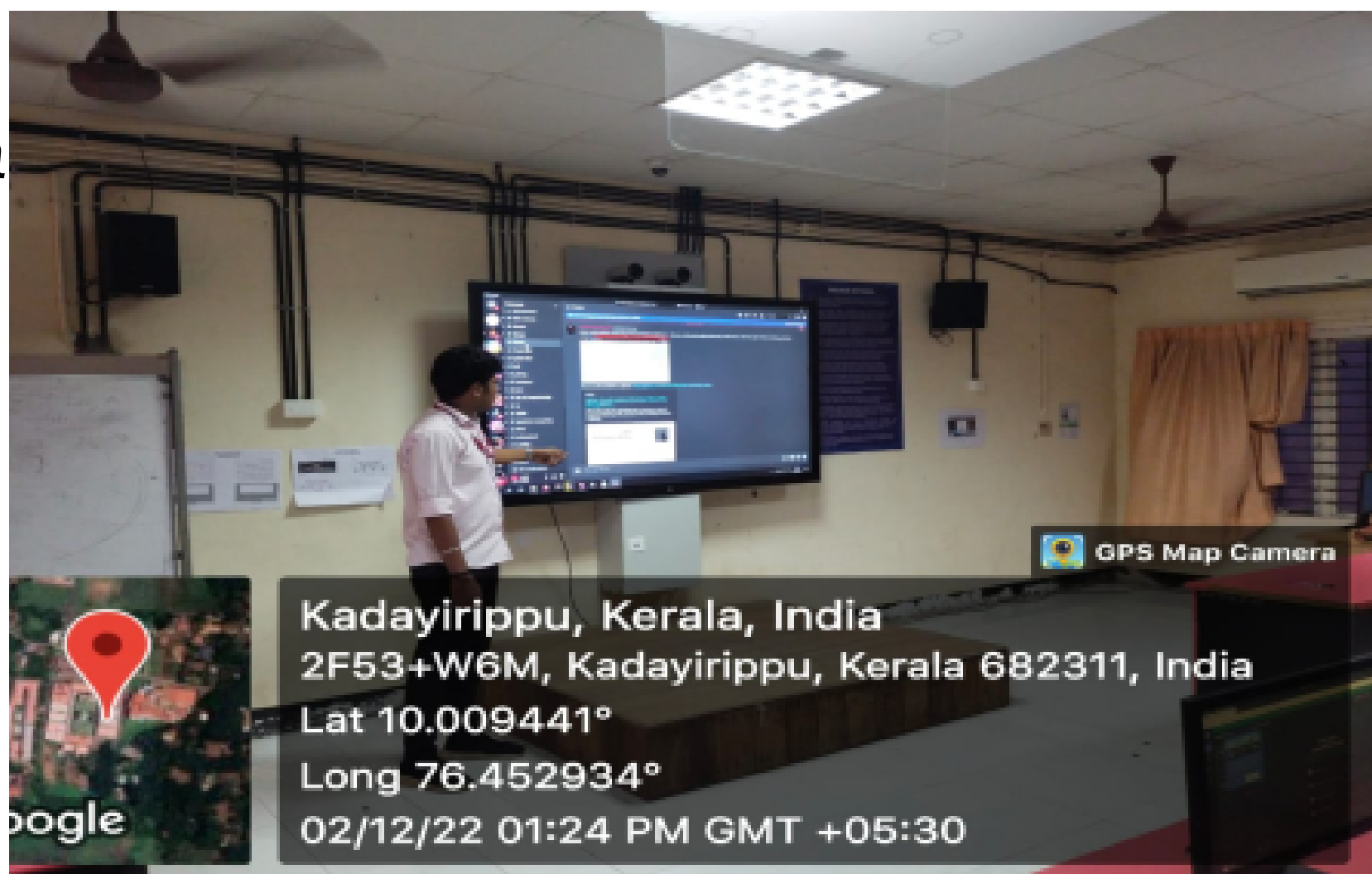
16. Train the Trainers: Introduction to Discord Server

Date: 2nd December 2022

Venue: Param Lab, SNGCE

Duration: 2 hours

Audience: 15



A workshop was organized to enrich the professors on the new and existing technology. The faculties of the Computer science department were trained by the student members of IEEE SB SNGCE. They were trained on Discord and its application.

17. Technical Talk-The Nitty-Gritty of Reference Management

Date: 29th July 2022

Venue: PG Seminar Hall, SNGCE

Duration: 1 hour 15 minutes

Audience: 100



A technical Talk was held on 29th of July 2022 after the Computer Society chapter inauguration. The session was handled by Dr. Anoopkumar M. at the ground floor PG seminar hall of SNGCE's PG block. The event was exclusive to IEEE members. Dr. Anoopkumar M is an ass. professor at the MCA dept. of SNGCE. The talk was focused on the structure and format of research papers. The participants were introduced to various new technology and software used for reference management as well as its history. The session was particularly useful for the 3rd and 4th year B.Tech students who were interested in writing a technical paper regarding their projects.

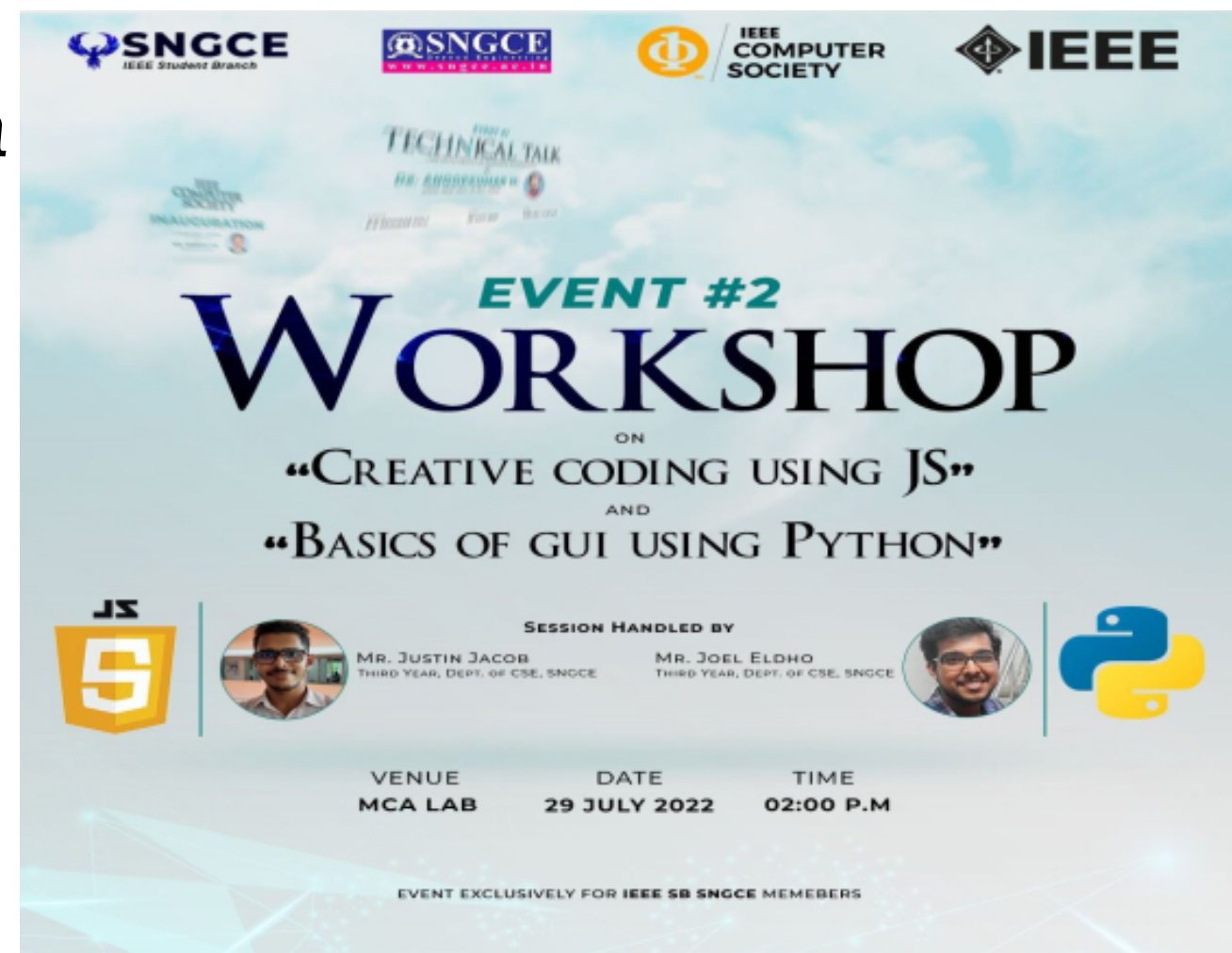
18. Basics of GUI Programming Using Python

Date: 29th July 2022

Venue: MCA Lab, SNGCE

Duration: 2 hours 30 minutes

Audience: 50



IEEE CS SBC SNGCE conducted a workshop on the basics of GUI programming using Python at the MCA Lab -2 in PG block of our campus. The half day event was handled by Mr. Joel Eldo a 3rd-year B.Tech Student of our SB. He is currently pursuing a B.Tech in Computer Science and Engineering. The event was held on 29th of July, 2022 and was attended by around 20+ students who were able to learn the introduction to GUI.

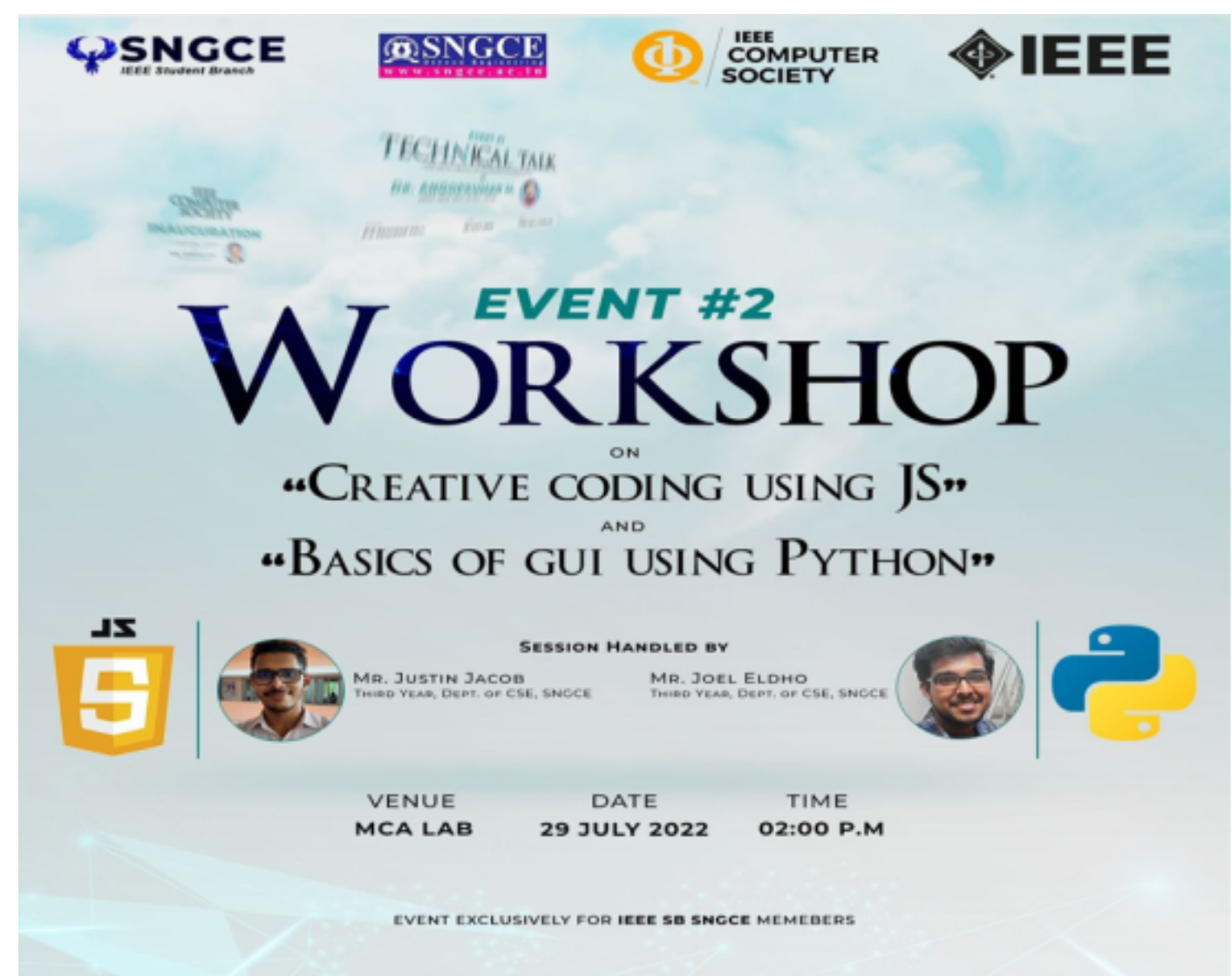
19. Creative Coding Using JS

Date: 29th July 2022

Venue: MCA Lab, SNGCE

Duration: 2 hours 30 minutes

Audience: 50



IEEE CS SBC SNGCE conducted a workshop on creative coding using Javascript at the MCA Lab -1 in PG block of our campus. The half day event was handled by Mr. Justin Jacob, 3rd year B.Tech Student of our SB. Justin is also the webmaster of our SB and Vice chair of our SBC. He is currently pursuing a B.Tech in Computer Science and Engineering. The event was held on 29th of July, 2022 and was attended by around 30+ students who were able to learn the basics of creative coding. Creative coding is used to express or create art forms using regular code.

20. Introduction to Web Development

Date: 13th and 14th July 2022

Venue: MCA Lab, SNGCE

Duration: 7 hours

Audience: 102



An introduction to web development workshop was conducted where the basics of HTML, JS, and CSS were explained. Students also built their own web pages on the second day. Students from different branches participated in this event showing their passion.

21. Basics of Front-End Development

Date: 28th September 2022

Venue: Param Lab, SNGCE

Duration: 7 hours

Audience: 70



A workshop on front-end development was conducted by our SB webmaster and SBC vice chair, Mr. Justin Jacob. The interactive session helped students learn the basics of front-end development and gain new technical skills.

Non-Technical Events:

1. Logo and Website launch

Date: 9th May 2022

Venue: PG Seminar Hall, SNGCE

Duration: 1 hour

Audience: 97



As part of revamping the SB, we organized a logo launch and website launch ceremony. A fresh beginning with a new logo and new website. Dr. Mini Ulanat, Chair of IEEE Kerala Section revealed the logo to the SB members followed by the Website revealing. Mini mam enlightened everyone gathered there with her experience throughout the years in IEEE.

2. EXE-COM Revealing

Date: 9th May 2022

Venue: PG Seminar Hall, SNGCE

Duration: 1 hour

Audience: 97



With the new beginning of the new ventures the SB needed a set of captain and crew to steer its course for a year. With that in mind a new set of Executive committee members were selected. Dr. Mini Ulanat revealed the EXE-COM to the students gathered there. She wished the newly appointed chair and his team a successful year.

3. EXE COM Meeting

Date: 9th May 2022

Venue: Board Room, SNGCE

Duration: 30 mins

Audience: 10



First ever official EXE COM meeting was held after the Logo and Website Launch. The meeting was conducted in the presence of Dr. Mini Ulanat, Chair of IEEE Kerala Section. Mini mam interacted with the newly elected EXE COM members. The discussions included about the upcoming events, funding and so on.

4. Webinar- Intellectual Property Rights

Date: 6th July 2022

Venue: Google Meet

Duration: 1 hour

Audience: 75



IEEE SB SNGCE and IEDC SNGCE Bootcamp collaborated and organised a webinar for the students on Intellectual Property Rights. This webinar was collaborated with Ministry of Education- Innovation Cell and AICTE.

5. Inauguration of IEEE Computer Society

Date: 29th July 2022

Venue: PG Seminar Hall, SNGCE

Duration: 1 hour

Audience: 25



The first society of newly established SB was Computer Society. The society was inaugurated by Mr. Suresh T.K. Manager of SNGCE. The society was officially inaugurated which was followed by the EXECOM reveal for the society.

6. Computer Society EXE-COM Revealing

Date: 29th July 2022

Venue: PG Seminar Hall, SNGCE

Duration: 1 hour

Audience: 25



Just the SB the society also needs a captain and the crew to lead the society and function it for a year. The new EXE-COM for the society was elected and assigned the roles to take on. The EXE-COM was revealed to the people gathered there.

7. EXE-COM Training.

Date: 8th October 2022

Venue: Google Meet

Duration: 2 hours

Audience: 20



IEEE SB SNGCE had organized an EXE-COM Training for all the EXE-COM members. The training was conducted online through Google Meet. The training was handled by Mr. Sreehari A.S. YP, IEEE Kochi Subsection Volunteer. Mr. Sreehari was astonishingly experienced despite his age. He interacted with the EXECOM and taught them what and how each individual has to be. He explained the roles and responsibility of each post.

8. V-Tools Orientation For EXECOM

Date: 6th October 2022

Venue: Google Meet

Duration: 2 hours

Audience: 20



An orientation session on VTools was arranged for the exe com, the event was conducted virtually using google meet platform and all SBC EXE-COM members participated in the event. The session was handled by Mr. Janajith Chair of IEEE CS SBC GECI and Design Volunteer, IEEE Kochi Subsection.

9. IEEE Orientation in Connection with IEEE Day Celebration

Date: 9th October 2022

Venue: Google Meet

Duration: 1 hour 30 mins

Audience: 60

IEEE CS SBC SNGCE conducted IEEE orientation session virtually using google meet platform. The event was handled by Mr. Govind Sankar, Chair IEEE CS SBC SNGCE and Mr Justin Jacob, Vice Chair, IEEE CS SBC SNGCE. The event was held at 2:00 pm on 9th October, 2022 and was attended by over 60 passionate students. During the session, Govind and Justin explained about the benefits of joining IEEE and answer all the questions the students had. This event was done in connection with the IEEE day celebration. The event was a grand success and many students took memberships in IEEE and computer society. The event helped uninformed students learn about IEEE history, benefits and costs.



10. Treasure Hunt

Date: 14th October 2022

Venue: SNGCE Campus

Duration: 45mins

Audience: 75

IEEE CS SBC SNGCE conducted a treasure hunt on 14th October 2022, around the SNGCE campus. The treasure hunt was conducted to promote IEEE and its activities among the students. It gave them an opportunity to interact and connect with each other. It helped in team building. Over 75 students participated in the event in teams of 4 or 5 each. Clues directing the participants to a few places in college were given to the participants, and then they were supposed to go to that particular place and find the next clue and so on. The event was extremely successful.



NEWSLETTER TEAM



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Cristo Kuriakose



Sreelakshmi S

2022

IEEE SNGCE STUDENT BRANCH NEWSLETTER

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