

RSET IEEE COMPUTER SOCIETY
CHAPTER

ANNUAL REPORT 2020

WEBINAR - INTRODUCTION TO GITHUB

Date: 26th March, 2020

No. of Participants: 53

On 26th March 2020 1900hrs - 2020hrs, RSET IEEE CS SB conducted a webinar on Git and GitHub. It was led by Mr. Athul Syriac, GitHub campus expert.

During the talk, Mr. Athul Syriac spoke about the basics of git and GitHub. He gave a good overview of git commands used in git shell. He explained how to create a repository and Add, Commit, Push, Pull and Fork repositories. He also explained about the GitHub student developer pack and how to become a GitHub campus expert. The Github concluded by recommending everyone to use GitHub. The meeting was over by 8:20 PM.



TECHNICAL PAPER WRITING CONTEST

A technical paper writing competition was held on the 22nd of march 2020. The event was focused on providing a unique learning experience into writing technical papers for a conference. By conducting this event, we were able to allow students to learn a very necessary skill for any quality professional. 4

students participated in the competition and Alina Thomas of S2 ECE won the competition by writing a paper on 5G networks.



PANEL DISCUSSION ON OS

Date : 16th May 2020

On the 16th May 2020, the Computer Society of IEEE RSET SB, organised a panel discussion on the topic, 'Operating systems. The main aim of the event was to familiarise the members with different operating systems and be aware of the different functionalities. After the discussion between the panelists, a

Q&A with the audience was held to help the audience clear any doubts they had on the discussed topics, which led to a productive interaction.



WEBINAR - CYBERSECURITY IN SOCIAL MEDIA

Date : 27 July, 2020

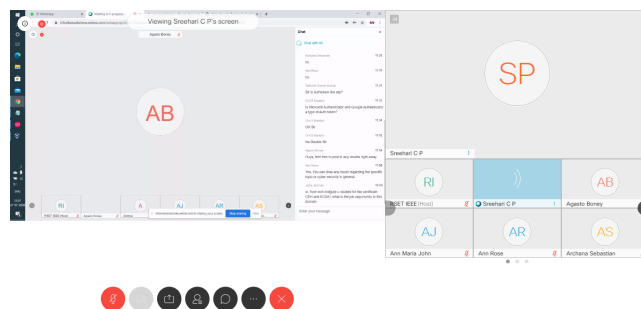
No. of Participants : 28

On 27th July, 2020, the Computer Society Chapter of RSET IEEE SB organized a webinar on 'Cybersecurity in Social Media'. The webinar was handled by Mr. Sreehari C P, a Certified Ethical Hacker and security analyst at TCS.

The interactive talk was aimed at providing an insight into how we are all prone to cyberattacks and how our information and security are at risk through social media, in this age of technological advancements. After discussing the main topics, an interactive Q and A session took place where the participants asked their queries relating to cybersecurity. The webinar was extremely useful to all the participants as it created an awareness of how social media impacts our privacy and data security, discussed some methods on how we can keep our data safe and introduced several terms and practices related to cybersecurity.

**SPEAKER****Sreehari C P**Security Analyst
Tata Consultancy Services

IEEE Student Branch | Rajagiri School of Engineering & Technology, Kochi



MOCK XTREME



MOCK SESSION 1

For the first time ever RSET IEEE SB conducted a mock Xtreme to help students who haven't participated in Xtreme to get an idea of how it is held and what kind of questions to expect. It was held at the Zuse lab on the 8th of February 2020 9am to 12pm.

MOCK SESSION 2

On the 22nd of March 2020, a mock session of the IEEE Xtreme coding competition was conducted online. It was done in order to prepare the student branch members for Xtreme 14.0.

The event was conducted for 24 hours on HackerRank in order to comply with the lockdown imposed on the entire nation. 18 students participated in the competition of which 8 students submitted code that scored some points.

MOCK SESSION 3

The third mock competition for IEEE Xtreme was conducted on 30th April, 2020. The coding competition was held on HackerRank and saw a participation of 19 students. The contestants were given six challenges that had to be solved within 24 hours. The questions were formed based on several programming concepts and ranged from easy to hard.

MOCK SESSION 4

The fourth mock competition for IEEE Xtreme was conducted on 31st May, 2020. The coding competition was held on HackerRank and saw a participation of 20 students.

MOCK SESSION 5

On July 23rd 2020, the fifth edition of the 24-hour Mock Xtreme was conducted. The competition was hosted on HackerRank and 11 participants signed up for the event. The competition consisted of one easy, three medium and two hard questions covering several programming concepts and algorithms.

MOCK SESSION 6

On October 18th 2020, the sixth edition of the 24-hour Mock Xtreme was conducted. The competition was hosted on HackerRank and 7 participants signed up for the event.

WEBINAR - INTRODUCTION TO IEEE XTREME

Date: July 20th, 2020

No. of Participants: 25

On July 20th, 2020, IEEE RSET SB conducted an introductory talk on IEEE Xtreme for the students of the Student Branch. The talk was conducted by Mr. Arjun Sunil Kumar, IEEE Xtreme 14.0 Ambassador. The talk included all the information from the registration deadlines, the participation criteria, team formation criteria and the basic rules. The doubts regarding the competition were also discussed and cleared during the session.



WALL·E

WALL·E - CODE DEBUGGING

Date : September 3rd, 2020

No. of Participants: 52

Fix it felix was a code debugging competition/treasure hunt that was conducted as part of Wall E by the RSET IEEE CS SB Chapter. It consisted of code debugging and finding clues using bit.ly links. The competition not only engaged the participant's logical skills but also their coding skills. The competition started at 5 pm and concluded at 8 pm. The winners were:

First - Gokul PV (S3 CSE B)

Second - Amijith M M (S3 CSE A)

Third - Deepak Jose (S5 CSE A)

WALL·E - GROUP DISCUSSION

Jedi High Council was a group discussion conducted as part of the series of events conducted by IEEE RSET CS SBC called Wall-E. The topic for the group discussion was national health ID.

The group discussion was conducted really well and the participants were very engaged in the discussion. The event concluded after 2 hours of discussions. The winners are:

First - Alina Thomas (S3 ECE Alpha)

Second - Aaron Peter (S3 CSE Alpha)

Third - Vinla Rose (S7 ECE Gamma).

WALL·E - WORKSHOP ON TINKERCAD

An introductory workshop on Tinkercad was conducted in-order to prepare the participants of the 24-hr hackathon held as part of Wall-E, by the RSET IEEE CS SBC on September 2, 2020. It allowed participants who are new to the

tinkercad platform, to be able to take part in the hackathon. The session was conducted on Google Meet by Mr.Nitheesh Kurian, IEEE IAS RSET SBC faculty advisor. During the session, each component available in tinkercad was explained in detail.

WALL·E - ARDUINO HACKATHON

The TRON hackathon was conducted as part of Wall-E, which was a four day event filled with technical competitions. The hackathon started straight after the workshop in which the participants were shown how to use the tinkercad platform to design circuits and program them. The participants took part in the competition in an active manner. The winners are:

First - Ashia Praveen (S5 ECE A) and Akhila Varghese (S5 ECE A)

Second - Arjun Sunil Kumar (S5 IT).

Third - Ashish George Mathew (S3 ECE A) and Augustin Mathew (S3 ECE A).

WALL·E - TECHNICAL QUIZ

Walt Quizney is a technical quiz competition conducted as part of WALL E. It was conducted on September 4, 2020. The event was hosted on Quizizz. The participants were made to answer questions based on general knowledge, technical skills and current affairs associated with the field of engineering. The competition had 60 questions and a 60-minute time limit. The winners are:

First - Nimisha Biju (S3 CSE G)

Second - Diya Denny (S5 CSE A)

Third - Ajay Raj (S5 CSE A)

WEBINAR - LEVERAGING IEEE CS MEMBERSHIP

Date : 17th October, 2020

Venue : Google Meet

No. of Participants : 38

On October 17th 2020, an interactive talk was conducted on how to make use of the IEEE CS membership effectively. The webinar was hosted on Google Meet and 38 participants signed up for the event. The talk was led by two REM scholars, Jairam Sankar, Former chair, RSET IEEE SB and Anand Jagadeesh, Secretary, IEEE CS Bangalore Chapter.



SESSION ON

Leveraging IEEE CS Membership to Elevate Your Career



Jairam Sankar
IEEE CS Richard E. Merwin Scholar
RSET IEEE SB - Chair (2015-16)
Member, IEEE R10 Humanitarian
Technology Activities

Anand Jagadeesh
IEEE CS Richard E. Merwin Scholar
Secretary, IEEE CS Bangalore Chapter
YP Rep. for Bangalore Section
IEEE CS SVP India GAC

October 17, 2020 Google Meet 4.00 PM

Register at: bit.ly/CS-MEMDEV

WORKSHOP ON ROBOT OS

Date : 15th November, 2020

Venue : Google Meet

No. of Participants : 82

On November 15th 2020, a workshop was conducted on introducing Robot Operating System (ROS) and its further concepts. The workshop was hosted on Google Meet and 82 participants signed up for the event. The speaker was Mr. Lentin Joseph, Founder and CEO of Qbotics. It was organised as a pre event for AKCSSC 2020 hosted by IEEE CS Kerala Chapter.



WORKSHOP ON
Robot Operating System



Lentin Joseph
Founder & Senior Robotics Software Engineer
Qbotics Lab

November 15, 2020 Google Meet 4.00 PM

Register now: bit.ly/ROS-AKCSSC

ieeersetsb.org | [@ieeersetsb](#) /ieeersetsb

ENIGMA CODING CONTEST

Date : 22 December, 2020

No. of Participants : 28

ENIGMA is a coding treasure hunt organized by the IEEE CS Chapter of RSET IEEE SB. The event was conducted on December 22. The contest gained recognition amongst the members and non-members because of its fun element of solving clues in order to solve the programming task given to the contestants. The contest had a total of three tasks that tested the problem solving, clue finding, and coding skills of the contestants. The winners of the competition were:

Priyanka Roy, S3 CSE A

Ayaz M, S1 CSE A

Yaseed Mohamed, S1 IT



COMPUTER INTEREST GROUP DISCUSSIONS

COMPUTER INTEREST GROUP MEETING – 1

Date: 22nd January 2020

No. of Participants: 65

A meeting was held to introduce the computer interest group to the IEEE RSET SB. The meeting was held on January 22, 2020. We discussed the importance and purpose of a computer interest group and what we hoped to achieve from it. Around 65 students attended this meeting.

COMPUTER INTEREST GROUP MEETING – 2

Date: 5th February 2020

No. of Participants: 27

On 5th February 2020, RSET IEEE SB Computer Interest group conducted a meeting. The meeting analysed the interest of members in computer interest group in Machine Learning and are familiar with python coding for the same. The meeting concluded that most of the members were familiar coding and some weren't. So, it was decided to first introduce programming logic and python coding.

COMPUTER INTEREST GROUP MEETING – 3

Date: 19th February 2020

No. of Participants: 10

The third general meeting of the Computer Interest group of RSET IEEE SB was held on February 19, 2020. The main topic of discussion was about hash code, Google's annual coding competition, for which the online qualification round was held on February 20, 2020. Members shared their ideas, on how to approach the problem and practice for the same.

COMPUTER INTEREST GROUP MEETING-4

Date: 6th March 2020

Number of participants :8

The fourth meeting of the Computer Interest group was conducted on 6th March 2020 and was led by SB member Manu Krishnan N S. This meeting was conducted to discuss the solution for Hashcode, an international coding competition conducted by Google. The meeting concluded by clarifying all doubts and questions of the fellow meeting members.

COMPUTER INTEREST GROUP MEETING – 5

Date: 26th March 2020

No. of Participants: 15

On the 26th of March 2020, the computer interest group held a meeting led by Ann Rose Cherian, Vinay Mathew Varghese and Arjun Sunil Kumar on WebEx owing to the lockdown restrictions in place at the time. Several topics from a few programming algorithms too ergonomics for the proper use of a computer were discussed.
