

ACTIVITIES REPORT 2020 – 2021 (ODD SEM)





DEC 31, 2020

SATHYABAMA IEEE STUDENT BRANCH Branch Code - 36301



Preface

This activities report is the outcome of the IEEE Student Branch, Sathyabama Institute of Science and Technology in the academic year 2020-2021 from June to December. The objective of the activities conducted by the student branch is to familiarize the students with the implementation of knowledge. The report is prepared based on the information gained during every programmes.

Branch Counsellor

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About IEEE

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 to innovate for a better tomorrow through its more than 423,000 members in over 160 countries, and its highly cited publications, conferences, technology standards, and professional and educational activities. IEEE is the trusted "voice" for engineering, computing, and technology information around the globe.

About SATHYABAMA IEEE SB

The inception of the IEEE Student Branch (IEEE SB) of Sathyabama Institute of Science and Technology (Deemed to be University) was in the month of September 1991. Throughout the years, it is an active and vibrant branch. Every year the branch is added up with active student members who play a major role in building up the branch and keeping it active. The branch was started with 21 members and at the end of 1999 it had 375 members. As an add-on, the branch is awarded as the 5th largest branch in the world, 2nd largest in the Asia pacific region and again received largest membership in the year 2012 and 2013. In addition, the branch has received certificate of appreciation for organizing activities towards advancement of IEEE and Engineering professions. IEEE student branch consistently organize technical events like workshops, hands on training and special lectures in cutting edge technologies. Students expand their knowledge by attending these events of advance technologies. Also, student branch hosts a National Level Technical Symposium "SILICON" every year; as a platform for students to showcase their leadership and technical skills.

Vision

- To enable, empower and energize the student members to enhance their technological interests and motivate them to excel in technical skills
- To provide a platform for student members to improvise them in various managerial and technical qualities

Mission

- To create an awareness among students about benefits of IEEE
- To organize technical awareness programmes
- To organize skill development programmes
- To form technical groups and motivate the student members to develop projects useful for the community
- To organize regular events like workshops, technical symposiums and contests
- To encourage student members to achieve more awards sponsored by IEEE

IEEE SB Executive Committee 2020 - 2021

Selection Procedure and Guidelines

IEEE Execom member selection interview registration was announced in the mid of July 2020 and the registration was open to students from School of CSE and School of EEE. Around 80 students registered through the google form and they were called for online interview scheduled on 6th to 8th August 2020 in zoom meeting. The interview was conducted for the registered students. The interview panel members were assigned to evaluate the students based on Elegance, Perspective, Communication, Interaction and Leadership. Nearly 32 students were interviewed professionally for IEEE Execom member. The following executive committee with 17 students was selected from the online interview based on the evaluation report for the academic year 2020-2021. This executive committee will be active till the end of this academic year.

Student Executive Committee

Chairman : Mr. Kamal Sharma (III Year IT)

Vice-Chairman : Ms. Soniya.M.S (III Year ECE)

Secretary : Mr. Abhijeet Kumar (III Year EEE)

Treasurer : Mr. Rakesh S (III Year EIE)

Webmaster : Mr. Sunny Chowdhary Muppala (III Year CSE)

Registration : Ms. Shruthi Prabakaran ((III Year ECE)

Member Welfare : Mr. Sarish Wadkar (III Year EIE)

: Ms. Dikshita Basu (III Year CSE)

: Mr. Anirudh L (III Year ECE)

Program Committee: Mr. Ch. Chaitanyasai Prasanna Kumar (IV Year ECE)

: Mr. Desu Sai Mohan Karthik (IV Year ECE)

: Ms M Jayaroshini (III Year IT)

Publicity Committee: Mr. Kublay Kumar (III Year CSE)

: Mr. Vaibhav Vishal (III Year IT)

: Mr. Yaramasa Venu Gopal (III Year ECE)

Design Committee: Ms. Kanika Bhatnagar (III Year CSE)

Section Coordinator: Mr. Meet Mehta (III Year EEE)

IEEE SB Activities

Webinars conducted from June to December 2020

S. No.	Title of the Programme	Date	Resource Person	Brochure
1	Introduction to open- end winding Induction Motor Drives	4.6.2020	Dr. V.T. Somasekhar, Professor, Dept. of Electrical Engg., National Institute of Technology, Warangal	IEEE Webinar Dr.Somasekhar.pdf
2	Joy of Computer Programming	9.6.2020	Mr.Phalani Kumar Krishna, Software Testing Trainee, CTS	IEEE Webinar Mr.Phalani Krishna.pd
3	Project Planning	11.6.2020	Mr.Satyanarayana, JGM, L&T Construction HQ, Chennai	IEEE Webinar Mr. V. Satyanarayana.pdf
4	Networking Bridge in Modern Industry	19.6.2020	Mr. Vignesh Sankaran, Engineer IT, Cisco systems India Pvt. Ltd.	IEEE Webinar Mr.Vignesh.pdf
5	Exploring Block Chain Applications for Education	23.6.2020	Ms.Cinthia Joy Godly Asst. Manager- Academic Services, Federation University @ IIBIT Sydney, Australia	IEEE Webinar Ms.Cinthia.pdf
6	Bracing Towards a Productive Goal	24.6.2020	Ms.Chekuri Vikasha Academic Dean – Vivekananda Schools, Andhra Pradesh	PDF IEEE Webinar Ms.Vikasha.pdf
7	Mystic World of Data Science	25.6.2020	Dr.Ravishankar Rajagopalan, Founder-CourseBricks, Trichy	PDF IEEE Webinar Dr.Ravisankar.pdf
8	Business Resilience and Risk Management	27.6.2020	Mr.Romesk Kostka, Senior Manager, Hewlett Packard, Enterprise, Bangalore	PDF IEEE Webinar Mr.Romesh.pdf
l. 9	Entrepreneurship 101	29.6.2020	Mr.Arpith Kumar Managing Director - Abeloff Media Brazil	PDF IEEE Webinar Mr.Arpith Kumar.pdf
10	Preparing for A New World of Work – Beyond The COVID Crisis	7.7.2020	Mrs. Sabita J, HR Leader, Sopra Steria, Chennai	IEEE Webinar Ms.Sabitha.pdf

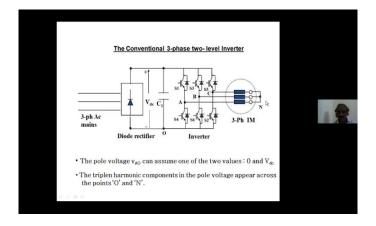
S. No.	Title of the Programme	Date	Resource Person	Brochure
11	Blockchain: Introduction and Use cases	13.7.2020	Mr.Ramakrishnan Raman, Project Mentor-HCT, Dubai, UAE	IEEE IT Webinar Mr.Ramakrishnan 13.
12	Beyond Connectivity on Modern Telecom Industry	17.7.2020	Ms.Saranya Devarapali Network Integration Specialist, Nokia Networks and Solutions, Chennai	IEEE Webinar Ms.Saranya.pdf
13	Augmented Reality & Virtual Reality Applications	29.7.2020	Dr.Pinnamaneni Bhanu Prasad, Director (R&D), Kelenn Technology, France	IEEE Webinar Dr.Bhanu Prasad.pdf
14	Science of Successful Minds	31.7.2020	Ms. Ayeesha Liyahath, Senior Consultant, RIA Advisory, France	IEEE Webinar Ms.Ayeesha.pdf
15	HVAC and Building Automation System	8.8.2020	Mr. Mersal Arul, Systems Engineer, Honeywell Inc., USA	IEEE EIE Webinar Mr.Mersal Arul_8-8-2
16	Connecting the Dots of Your Career	9.10.2020	Mr. Surya Tej Borra Ex - QA Manager at Amazon, Google. Current: Customer Success Manager at Zenoti, Art of Living Life Mentor Coach.	IEEE EIE Webinar Mr.Surya Tej Borra_ 9.
17	Fail Your Way into Success	16.10.2020	Ms Priya Venugopal, Technology Integrator, The American International School, Chennai	IEEE ECE Webinar Ms Priya Venugopal_16O
18	Block Chain Technology	17.10.2020	Mr. Dhaval Gandhi, Chief Certified Mentor(Emerging Technologies, Blockchain) Certified Blockchain Expert IAAA Certified Trainer	IEEE EIE Webinar Mr.Dhaval Gandhi_17
19	Kick Start of Designing Career	20.10.2020	Mr. Sanjay Pandey , SP Solution group (Founder & MD) , Vadodara, Gujarat	IEEE EEE Webinar Mr.Pandey_20-10-202
20	Systems Integration and Architecturing	28.10.2020	Mr.Dennis Surendar, Systems Integration Architect, Federation Mortgage Association (FannieMae), USA	IEEE Webinar Mr.Dennis Surendar (
21	Data Analytics	31.10.2020	Ms.Antaripa Saha, Machine Learning Engineer @Omdena Chapter Lead @GirlScript, Agartala	IEEE-CSE Webinar Ms.Antaripa Saha 31.1

1. Webinar on Introduction to Open-end Winding Induction Motor Drives



Topic	Introduction to Open-end Winding Induction Motor Drives
Date(s) & Time	04.06.2020 & 3 PM to 4 PM
Resource Person	Dr. V. T. Somasekhar, Professor, Dept. of EEE, NIT
	Warangal
No. of Participants	75 (Internal: 30 & External: 45)
Nature of participants	Students, Research Scholars & Faculties
Zoom ID / Venue	Meeting Id: 973 6207 Password: 2473 121146
Student Coordinators	Ms.M.S.Neethu Priya & Mr.P.Praneeth Reddy

Having in mind of the ongoing pandemic situation, COVID-19, IEEE Student branch of Sathyabama Institute of Science & Technology has done an extensive work in organizing webinars, workshops and contests through online for the benefit of students, faculty and research scholars of our institute and beyond. In this regard on 5th June 2020 between 3pm and 4:20pm (IST) we conducted a webinar titled "Introduction to Open end Winding Induction motor drives" resource person was Dr. V. T. Somasekhar, Professor in Electrical Engineering, National Institute of Technology, Warangal. The webinar was convened by the branch counselor Dr. M. S. Godwin Premi. Prior registrations were done through online mode and total registrations were 169. Participants were given intimation regarding the event link (zoom platform) via email and whatsapp directly.



The webinar was started exactly at 3pm on 5th June 2020. Branch Counselor gave the welcome address which was followed by the lecture by resource person. Dr. V. T. Somasekhar started his lecture by giving a glimpse on the conventional two-level inverter configuration followed by the popular three level inverter configurations. Sir discussed about the open loop control system with inverter switching states. More time was spent on explaining the computation of switching vectors, the two level VSI, locus sampling points and harmonic spectrum of the inverter. The multi level inverter, neutral clamped topology, cascaded two level connection, dual inverter fed induction motor with isolated power supply was clearly explained by sir. Next more time was spent on explaining the space vector locations followed by simulation graph of phase voltage and phase current

of the motor. Sir concluded the lecture by briefly illustrating the advantages of the inverter drives in switching devices. The session was followed by a quick Question and answer session followed by vote of thanks by Dr. M. S. Godwin Premi and webinar got over at 4:20pm (IST). Around 82 participants attended the webinar. The participants gave feedback after the session was over. There was a overwhelming positive response to this webinar from the participants side.

2. Webinar on Joy of Computer Programming



Topic	Joy of Computer Programming	
Date(s) & Time	09.06.2020 & 12pm-1pm	
Resource Person	Mr. Phalani Krishna Reddy, Software Testing Trainee, CTS,	
	Chennai	
No. of Participants	75	
Nature of	Students, Research Scholars & Faculties	
participants		
Zoom ID / Venue	Meeting ID: 976 4253 1086 Password: 030463	
Student Coordinators	Ms. Meghana, Ms. Akhil Neeraj, Mr. P. Praneeth Reddy	

Sathyabama IEEE Student Branch organizes Live Online Webinar on "Joy of Computer Programming" by Mr. Phalani Krishna Reddy, Software Testing Trainee, CTS, Chennai. on 09.06.2020, 12pm to 1pm IST. In this webinar, the speaker spoke about why programming can be fun even though it can be challenging at times. Participants from various fields who were interested in getting an insight into the joyous and challenging elements of programming attended this webinar. An interactive question and answer session was held at the end of this webinar.

3. Webinar on Project Planning

Topic	Project Planning
Date(s) & Time	11.06.2020 & 4:30 pm-5:30 pm
Resource Person	Mr. Sathyanarayana, JGM, L& T Construction HQ, Chennai
No. of Participants	94
Nature of	Students, Research Scholars & Faculties
participants	
Zoom ID / Venue	Meeting ID: 971 0187 5257 Password: 559958
Student	Ms.Sanghamitra, Mr.B.Mohan Hari Krishna, Ms. Minisha
Coordinators	



Webinar started with Sathyabama Institute of Science and Technology short video on time followed by greetings of the day and introduction to the speaker was given on behalf of IEEE Student branch. The speaker took over the session thanking the management of Sathyabama for giving opportunity and started explaining from the very basic question "what is planning?" and carried over the through Progress Planning / Cost Planning / Resource planning, scheduling, etc. while executing mega projects. Participants were active enough so that chat box was flooded with queries and was patiently answered by the speaker. Finally, the webinar ended with vote of thanks.

4. Webinar on Networking Bridge in Modern Industry



Topic	Networking Bridge in Modern Industry
Date(s) & Time	19.06.2020 & 10:30 am - 11:30 am IST
Resource Person	Mr. Vignesh Sankaran, Engineer IT, CISCO Systems India
	Pvt. Ltd.
No. of Participants	85
Nature of	Students, Research Scholars & Faculties
participants	
Zoom ID / Venue	
Student Coordinators	Ms. Meghana, Ms. S. Madhumitha, Mr. P. Praneeth Reddy

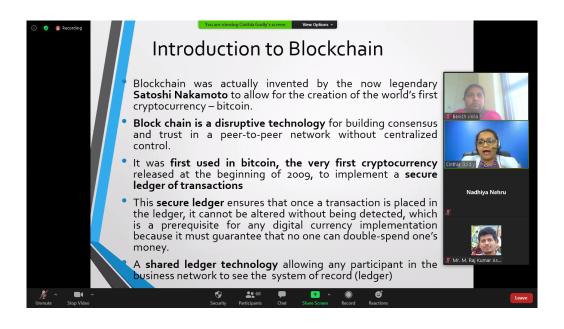
Sathyabama IEEE Student Branch organizes Live Online Webinar on "Networking Bridge In Modern Industry" by Mr. Vignesh Sankaran, Engineer IT, CISCO Systems India Pvt.Ltd. on 19.06.2020, 10:30am to 11:30am IST. This webinar gives an insight into Bridge networking and its specifications in modern industries. It also briefly focused on the types and functions of Bridge in a Computer Network. Various participants who were interested in knowing about networking bridge and it is currently applied in modern industry, attended this webinar. An interactive question and answer session was held at the end of this webinar.

5. Webinar on Exploring Block Chain Applications for Education



Topic	Exploring Block chain Applications for Education		
Date(s) & Time	23/06/2020 & 11:30 Am to 12:30 Pm		
Resource Person	Ms. Cinthia Joy Godly		
No. of Participants	223		
Nature of Participants	Students, Research Scholars & Faculties		
Zoom ID / Venue	969 7053 7315 / 770571		
Student Coordinators	Mr.S.Saravanan, Mr.Akhil Neeraj, Mr.Mohammad Habib,		
	Mr.Venkata Sai		

A live webinar on "Exploring Blockchain Applications for Education" was organized by the IEEE student Chapter in association with the Department of Information Technology, Sathyabama Institute of Science and Technology on 23rd June 2020 from 11:30 Am to 12:30 pm. Ms. Cinthia Joy Godly, Assistant Manager- Academic services, Federation University @IIBIT Sydney, Australia, delivered the talk. A total of 223 participants including both faculty and students participated in the webinar.



The session was interesting and useful. Participants were able to acquire the basics on blockchain and they were able to inculcate the insights of blockchain in education. The speaker presented the session with interesting facts and highlights. At the end of the session, the speaker clarified the doubts of the participants. Feedback link was posted in the chat-box to acquire the inputs about the program from the participants. The overall feedback received by the participants stated that the webinar was excellent and they were able to take away the benefits of blockchain in education.

6. Webinar on Bracing Towards a Productive Goal



Topic	Bracing Towards a Productive Goal		
Date(s) & Time	24.06.2020 & 10:30 am-11:30 am IST		
Resource Person	Ms.Chekuri Vikasha, Academic Dean, Vivekanandha Schools,		
	Andhra Pradesh		
No. of Participants	98		
Nature of	Students, Research Scholars & Faculties		
participants			
Zoom ID / Venue			
Student	Ms. Sanghamitra Choudhuri, Ms.D.Minisha,		
Coordinators	Ms.S.Madhumitha, Mr.P.Praneeth Reddy		

Sathyabama IEEE Student Branch organizes Live Online Webinar on "Bracing Towards a Productive Goal" by Ms. Chekuri Vishaka, Academic Dean, Vivekananda Schools, Andhra Pradesh on 24.06.2020, 10:30am to 11:30am IST. The primary idea of this webinar was how setting smart and productive goals will ensure the achievement of those goals to a greater extent. The webinar also focused on the importance of setting smart, attainable and relevant goals to make the most of one's life. Various participants interested in knowing about setting and achieving productive goals, attended this webinar. An interactive question and answer session was held at the end of this webinar.

7. Webinar on Mystic World of Data Science

Topic	Mystic world of Data Science		
Date(s) & Time	25.06.2020 & 11am-12pm IST		
Resource Person	Dr.Ravishankar Rajagopalan, Founder-CourseBricks, Trichy		
No. of Participants	98		
Nature of	Students, Research Scholars & Faculties		
participants			
Zoom ID / Venue			
Student	Ms. Sanghamitra Choudhuri, Ms. Meghana, Mr.Praneeth		
Coordinators	Reddy		



Sathyabama IEEE Student Branch organizes Live Online Webinar on "Mystic world of Data Science" by Dr.Ravishankar Rajagopalan, Founder-CourseBricks, Trichy, on 25.06.2020, 11am to 12 pm. In this webinar, the speaker spoke about data science and therneed of data science for the future. An interactive question and answer session was held at the end of this webinar.

8. Webinar on Business Resilience and Risk Management



Topic	Business Resilience and Risk Management
Date(s) & Time	27/06/2020 & 4:00 pm to 5:00 pm
Resource Person	Mr. Romesh Kostka
No. of Participants	60
Nature of	Students, Research Scholars & Faculties
Participants	
Zoom ID / Venue	Meeting ID: 98274827106 Password: 012749
Student	Mr.Ashwin, Mr.Mohan Krishna
Coordinators	

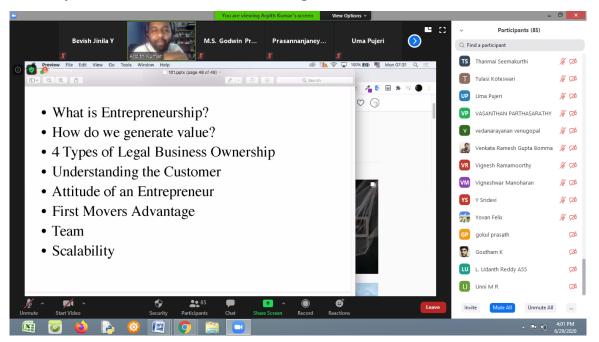
Sathyabama IEEE Student Branch organizes Live Online Webinar on "Business Resilience and Risk Management" by Mr.Romesh Kostka, on 27.06.2020, 4pm to 5pm. In this webinar, the speaker spoke about why goals challenging at times. Participants from various fields who were interested in getting an insight into the risk management and challenges in business resilience. An interactive question and answer session was held at the end of this webinar which completes the understanding of the audience.

9. Webinar on Entrepreneurship 101



Topic	Entrepreneurship 101
Date(s) & Time	29/06/2020 & 3:00 pm to 4:00 pm
Resource Person	Mr. Arpith Kumar
No. of Participants	196
Nature of Participants	Students, Research Scholars & Faculties
Zoom ID / Venue	982 0833 2993 / 259779
Student Coordinators	Mr.Akhil Neeraj, Mr.Mohammad Habib,
	Mr.Venkata Sai, Mr.S.Saravanan

A live webinar on "Entrepreneurship 101" was organized by the IEEE student Chapter in association with the Department of Information Technology, Sathyabama Institute of Science and Technology on 29th June 2020 from 3pm to 4pm. Mr. Arpith Kumar, Managing Director, Abeloff Media, Brazil delivered the talk. A total of 196 participants including both faculty and students participated in the webinar. The session was interesting and useful. Participants were able to acquire the basics on Entrepreneurship and they were able to inculcate the insights of it.



The speaker presented the session with interesting facts and highlights. At the end of the session, the speaker clarified the doubts of the participants. Feedback link was posted in the chat-box to acquire the inputs about the program from the participants. The overall feedback received by the participants stated that the webinar was excellent and they were able to take away the benefits of Entrepreneurship.

10. Webinar on Preparing for A New World of Work – Beyond the COVID Crisis



Topic	Preparing for A New World of Work – Beyond The COVID
	Crisis
Date(s) & Time	7.07.2020 & 10am-11am IST
Resource Person	Mrs. Sabita J, HR Leader, Sopra Steria, Chennai
No. of Participants	148
Nature of	Students, Research Scholars & Faculties
participants	
Zoom ID / Venue	https://meet.google.com/hkg-nekp-rpc
Student	Ms. D. Meghana, Ms. Sanghamitra Choudhuri
Coordinators	

Sathyabama IEEE Student Branch organizes Live Online Webinar on "Preparing for A New World of Work – Beyond The COVID Crisis" by Ms. . Sabita J, HR Leader, Sopra Steria, Chennai on 7.07.2020, 10am to 11am IST. The webinar focuses on how to prepare ourselves after pandemic near possible in the future. Participants from various field joined the webinar to know about the modern telecom industry. At the end of the session an interactive question and answer session was held.

11. Webinar on Blockchain: Introduction and Use cases

Topic	Blockchain: Introduction and Use cases
Date(s) & Time	29/06/2020 & 11:00 Am to 12:00 Pm
Resource Person	Mr. Ramakrishnan Raman
No. of Participants	122
Nature of Participants	Students, Research Scholars & Faculties
Zoom ID / Venue	Meeting ID: 951 9292 2943 Password: 549569
Student Coordinators	Mr.S.Saravanan, Mr.Akhil Neeraj,
	Mr.Mohammad Habib, Mr.Venkata Sai



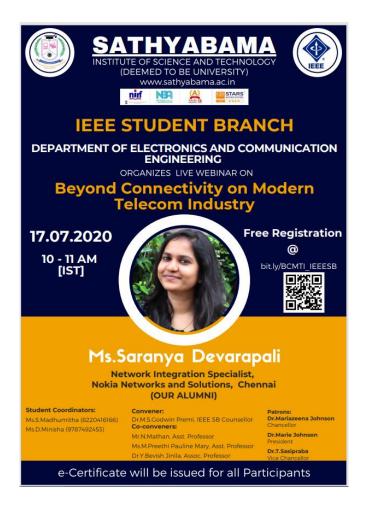
A live webinar on "Blockchain: Introduction and Use cases" was organized by the IEEE student. Chapter in association with the Department of Information Technology, Sathyabama Institute of Science and Technology on 13th July 2020 from 11 Am to 12 Pm. Mr. Ramakrishnan Raman, Project Mentor, HCT, Dubai, UAE delivered the talk. A total of 122 participants including both faculty and students participated in the webinar. The session was interesting and useful. Participants were able to acquire the basics on blockchain and they were able to inculcate the insights of it.



The speaker presented the session with interesting facts and highlights. At the end of the session, the speaker clarified the doubts of the participants. Feedback link was posted in the chat-box to acquire the inputs about the program from the participants. The overall feedback received by the participants stated that the webinar was excellent and they were able to take away the benefits of blockchain.

12. Webinar on
Beyond Connectivity on Modern Telecom Industry

Topic	Beyond Connectivity on Modern Telecom Industry
Date(s) & Time	17.07.2020 & 10am-11am IST
Resource Person	Ms. Saranya Devarapali, Network Integration Specialist,
	Nokia Networks and Solutions, Chennai.
No. of Participants	135
Nature of	Students, Research Scholars & Faculties
participants	
Zoom ID / Venue	Meeting ID: 980 7590 1171 Password: 029830
Student	Ms. Madhumitha, Ms.D.Minisha
Coordinators	



Sathyabama IEEE Student Branch organizes Live Online Webinar on "Beyond Connectivity on Modern Telecom Industry" by Ms. Saranya Devarapali, Network Integration Specialist, Nokia Networks and Solutions, Chennai on 17.07.2020, 10am to 11am IST. The webinar focuses on how the Telecom Industry will make fast speed networking (5G onwards) and data sharing services possible in the future. The webinar also discusses about the basics of computer networks and the evolution of Wireless Communication. Participants from various field joined the webinar to know about the modern telecom industry. At the end of the session an interactive question and answer session was held.

13. Webinar on

Augmented Reality & Virtual Reality Applications



Name of the Event	Augmented Reality & Virtual Reality Applications	
Date(s) & Time	29.07.2020 & 10am-11am IST	
Resource Person	Dr. Pinnamaneni Bhanu Prasad, Director (R&D),	
	Kelenn Technology, France	
No. of Participants	158	
Nature of participants	Students, Research Scholars & Faculties	
Zoom ID / Venue	Meeting ID: 952 3833 7772 Passcode: 032530	
Student Coordinators	Ms. D. Minisha, Ms. S. Madhumitha	

About the Event:Sathyabama IEEE Student Branch organizes Live Online Webinar on "Augmented Reality & Virtual Reality Applications" by Dr. Pinnamaneni Bhanu Prasad, Director (R&D), Kelenn Technology, France on 29.07.2020, 10am to 11am IST. In this webinar, the speaker gave an insight into the applications of Virtual and Augmented Reality in various fields of work and how they may potentially shape the future. Various participants from who were curious to know about Virtual and Augmented reality and how they are applied in current and in future fields of work, joined this webinar. An interactive question and answer session were held at the end of this webinar.

14. Webinar on Science of Successful Minds



Topic	Science of Successful Minds
Date(s) & Time	31.07.2020 & 4pm-5pm IST
Resource Person	Ms. Ayeesha Liyahath, Senior Consultant, RIA Advisory,
	France
No. of Participants	65
Nature of participants	Students, Research Scholars & Faculties
Zoom ID / Venue	Meeting ID: 916 7399 6329 Passcode: 557698
Student Coordinators	Ms. D. Meghana, Ms. Sanghamitra Choudhuri

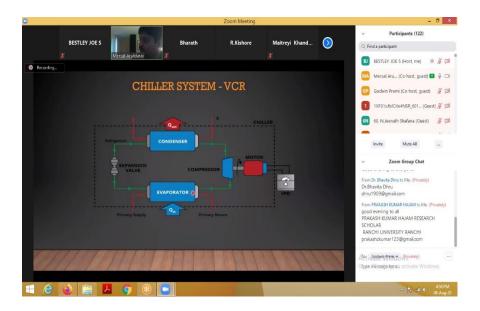
About the event:Sathyabama IEEE Student Branch organizes Live Online Webinar on "Science of Successful Minds" by Ms. Ayeesha Liyahathi, Senior Consultant, RIA Advisory, France on 31.07.2020, 4pm to 5pm IST. In this webinar, the speaker elaborated on what makes a person successful and the mindset one could have in order to be successful. Various Participants joined the webinar to know what makes a person successful. At the end of the session an interactive question and answer session was held.

15. Webinar on HVAC and Building Automation System



Topic	HVAC & Building Automation Systems
Date(s) & Time	08.08.2020 & 4:30 PM to 5:30 PM (IST)
Resource Person	Mr.Mersal Arul, Systems Engineer, Honeywell Inc, USA
No. of Participants	141 (Internal: 79 & External: 62)
Nature of participants	Students, Research Scholars & Faculties
Zoom ID / Venue	951 6558 5830 Pwd: 171356
Student Coordinators	Mr.Saravanan, Mr. Mohammed Habib, Mr.AkhilNeeraj

The webinar was started by 4:30pm on 8th August 2020. Branch Counsellor gave the welcome address which was followed by the lecture by resource person. Mr. Mersal Arul started his lecture by giving a glimpse on Boiler system, Hot water system and Chiller system (Both air cooling and water cooling). Also, sir spent more time on complete building HVAC system and Variable Air Volume Boxes (VAV). He gave detailed explanation about Positive and Negative pressurisation of Ideal Mechanical components. He also highlighted the points on sensors like temperature, humidity, Pressure, Flow. Along with this He discussed about outputs of an Actuators, chamber-valve and relays. And sir gave brief information on PLC, SCADA and Direct Digital Control (DDC) and how to design Control System using Software like LABVIEW, MATLAB, VIS10. Sir, described clearly about the protocols like BACNet, LONTalk, MODBus, ProfiBus, C-Bus (protocols of Honeywell) and trending analysis. And he started interacting with students. Sir, helped all of the students in clearing all the quires. The session was followed by a quick Question and answer session followed by vote of thanks by Mr.S. Bestley Joe and webinar got over at 4:20pm (IST). Around 132 participants attended the webinar. The participants gave feedback after the session was over. There was an overwhelming positive response to this webinar from the participants side.



16. Webinar on Connecting the Dots of Your Career



Topic	Connecting the dots of your career
Date(s) & Time	09.10.2020 & 4 PM to 5 PM (IST)
Resource Person	Mr. Surya TejBorra,Ex - QA Manager at Amazon, Google. Current: Customer Success Manager at Zenoti, Art of Living Life Mentor Coach.
No. of Participants	59 (Internal : 27 & External: 32)
Nature of	Students, Research Scholars & Faculties
participants	
Zoom ID / Venue	980 5031 2875 Pwd: 079225
Student	Mr.Rakesh. S & Mr.Sarish
Coordinators	

The webinar was started by 4:00pm on 9th October 2020. Branch Counsellor gave the welcome address which was followed by the lecture by resource person. Mr. Surya Tej Bora started his lecture. As the topic itself depicts the speaker covered almost everything to be done on our career development. He started from the very basic of creating CV to starting our own business. He explained all the doors that would be open for us once we step out of the college. He literally connected the dots of our career. He explained every single thing that a graduate is supposed to be known at this stage of his career. The speaker shared his own life experience and his struggles and success in his career. We even had ideas on how to overcome our failures and to proceed with our dreams. He didn't stop with corporate careers but cheered us and guided us to be our own owners. A very few who had the idea to start-up their business didn't feel left out.

17. Webinar on Fail Your Way into Success



Topic	Fail Your Way into Success
Date(s) & Time	16.10.2020 & 4pm-5pm IST
Resource Person	Ms Priya Venugopal, Technology Integrator, The
	American International School, Chennai.
No. of Participants	74
Nature of participants	Students, Research Scholars & Faculties
Zoom ID / Venue	Meeting ID: 923 6541 7412 Passcode: ieeesb
Student Coordinators	Ms. Soniya M.S, Ms. Shruthi P

Sathyabama IEEE Student Branch organizes Live Online Webinar on "Fail Your Way Into Success" by Ms. Priya Venugopal, Technology Integrator, The American International School, Chennai on 16.10.2020, 4pm to 5pm IST. The webinar is an anecdote of how Ms. Priya Venugopal overcame the insurmountable hardships in her life. She also shares about her early life, family and how she got into pursuing philanthropic work. Various participants who were eager to know how her failures lead to success, attended the webinar.



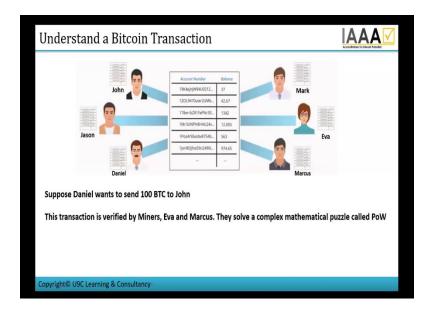
At the end of the webinar, an interactive question and answer session was held.

18. Webinar on Block Chain Technology

Topic	Block Chain Technology		
Date(s) & Time	17.10.2020 & 4 PM to 5 PM (IST)		
Resource Person	Mr. Dhanval Gandhi, Chief Certified Mentor(Emerging		
	Technologies, Blockchain), Certified Blockchain Expert		
	IAAA Certified Trainer		
No. of Participants	59 (32-external & 27-internal)		
Nature of participants	Students, Research Scholars & Faculties		
Zoom ID / Venue	932 2265 1197 Pwd: 903458		
Student Coordinators	Mr.Rakesh. S & Mr.Sarish		



The webinar was started by at 4:00pm on 17th October 2020. Branch Counsellor gave the welcome address which was followed by the lecture by resource person. Mr. Dhaval Gandhi started his lecture. Blockchain technology is the upcoming technology which will lead the future. As students were very curious to know more about it. He started the session by sharing his work experience blockchain technology. He started with the basics that helped audience to know what exactly blockchain is? Where it is used? Then he introduced the Public vs. private blockchain . Other than that as session goes into more brief he highlighted How secure is blockchain and how Blockchain's advances rely on scalability. The overall session has given us the best possible opportunities that helped students to lookout for the career in this technology.



19. Webinar on Kick Start of Designing Career



Topic	Kick start of designing career		
Date(s) & Time	20th October 2020, 4:00pm and 5:20pm (IST)		
Resource Person	Mr. Sanjay		
	Pandey, SP Solutions (Founder and MD).		
No. of participants	60		
Nature of participants	Students, Research Scholars & Faculties		
Zoom ID/ Venue	Meeting ID: 942 6523 1425 Passcode: 974428		
Student coordinators	Mr.Abhijeet, Mr.Meet Mehta		

The webinar was begun precisely at 4:00pm on 20th October 2020. Our Student Coordinator Mr. Meet Mehta gave the welcome address which was trailed by resource person Mr. Sanjay Pandey. As the subject itself portrays, the resource person secured nearly everything to be done on our designing software Career. He began from the fundamental of dealing with Designing Software. He clarified all the entryways that would be open for us once we venture out of learning Designing Software.



He gave a glance of all design software. Like Creo, Fusion 360°, Solidworks, AutoCAD, CATIA V5, etc. He gave detail illustration on CATIA V5. He also gave details on job opportunities in core companies like FMC Technologies, ERICSSON, SIEMENS, HONEYWELL, BOEING and many more. The intuitive meeting held by him with the

members was a valuable one and he cleared each one's inquiries with most extreme persistence. The way that he laid outside for us is evident that everybody might envision them in a decent position. The meeting was trailed by a brisk Question and answer session followed by statement of gratitude by our Student Coordinator Mr. Abhijeet Kumar and webinar got over at 5:20pm. Around 60 participants attended the webinar. The participants gave feedback after the session was finished. There was a mind-boggling positive reaction to this webinar from the participant side.

20. Systems Integration and Architecturing



Topic	System Integration and Architecturing		
Date(s) & Time	28/10/2020 & 11:00 Am to 12:00 Pm		
Resource Person	Mr.Dennis Surendar		
No. of Participants	195		
Nature of Participants	Students, Research Scholars & Faculties		
Zoom ID / Venue	Meeting ID: 919 2455 5590 Passcode: 1204		
Student Coordinators	Ms.Jayaroshini, Mr.Vaibhav Vishal, Mr.Kamal		
	Sharma		

A live webinar on "System Integration and Architecturing" was organized by the IEEE student Chapter in association with the Department of Information Technology, Sathyabama Institute of Science and Technology on 28th October 2020 from 11 Am to 12 Pm. Mr. Dennis Surendar, System Integration Architect, Federation Mortgage Association (FannieMae), USA delivered the talk. A total of 195 participants including both faculty and students participated in the webinar. The session was interesting and useful. Participants were able to acquire the basics on System integration and architecturing and they were able to inculcate the insights of it. The speaker presented the session with interesting facts and highlights. At the end of the session, the speaker clarified the doubts of the participants. Feedback link was posted in the chat-box to acquire the inputs about the program from the participants. The overall feedback received by the participants stated that the webinar was excellent and they were able to take away the benefits of System Integration.

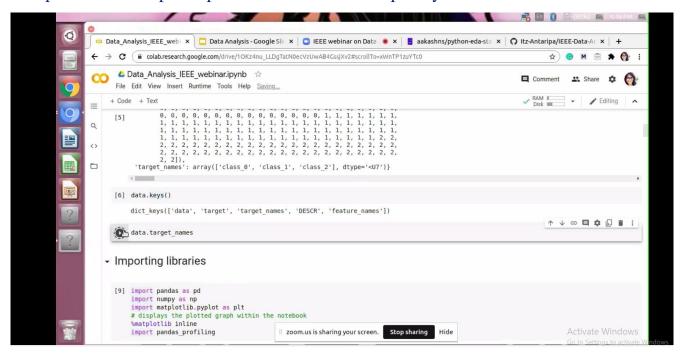


21. Webinar on Data Analytics



Topic	Data Analytics
Date(s) & Time	31/10/2020 & 4:30 pm to 6:00 pm
Resource Person	Ms.Antarpia Saha
No. of Participants	194
Nature of Participants	Students, Research Scholars & Faculties
Zoom ID / Venue	Meeting ID: 969 2071 8770 Passcode: 814544
Student Coordinators	Ms.Dikshita, Ms.Kanika

Sathyabama IEEE Student Branch organizes Live Online Webinar on "Data Analytics" by Ms. Antarpia Saha, Machine Learning Engineer, Omdena. She is a Chapter Lead at Giriscript, Agartala. The webinar was held on 30.10.2020, 4:30pm to 6pm. The webinar was a complete informative session about data analytics. The detailed view of the data analysis makes the audience to raise a lot of questions. All the questions were clarified by the speaker and the participants were satisfied completely.



Workshops / FDPs / Short Term Courses conducted from June to December 2020

S. No.	Title of the Programme	Nature of the Programme	Date	Resource Person	Brochure
1	Python Programming	Short Term course	8.6.2020 to 19.6.2020	Mr.Hariharan, Embedded System Architect NEEVEE Tech, Chennai	IEEE Python Course.pdf
2	Intellectual Property Rights	FDP	20.7.2020 to 25.7.2020	Ms.P.Ilanangai, IPR Consultant, Chennai	PDF IEEE FDP IPR.pdf

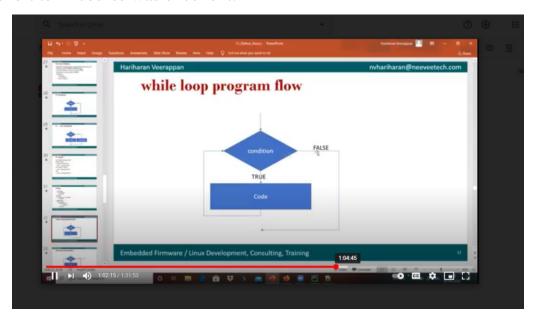
1. Short Term Course on Python Programming

Topic	Python Programming		
Date(s) & Time	08/06/2020 to 19/06/2020 & 10:00 Am to 11:30 Am		
Resource Person	Mr.Hariharan Veerapan		
No. of	40		
Participants			
Nature of	Students / Faculty		
Participants			
Zoom ID / Venue	Meeting ID: 976 4253 1086 Password: 030463		
Student	Mr.S.Saravanan, Mr.Mohammad Habib, Mr.Venkata Sai,		
Coordinators	Mr.Ashwin		



A short term course on "Python Programming" was organized by the IEEE student Chapter in association with the Department of Information Technology, Sathyabama Institute of Science and Technology from 08/06/2020 to 19/06/2020 from 10:00 to 11:30 Am. Mr. Hariharan Veerapan, Embedded Solution Architect, Neevee Technologies was the resource person for the short term course. A total of 40 participants including both faculty and students participated in the short term course. The sessions were interesting and useful. Participants were able to acquire the basics on python programming and they

were able to inculcate the insights of it. The speaker presented the session with interesting facts and highlights. At the end of the session, the speaker clarified the doubts of the participants. Quiz was conducted on each day to understand about the knowledge gained by the course. Feedback link was posted in the chat-box to acquire the inputs about the program from the participants. The overall feedback received by the participants stated that the short term course was excellent.

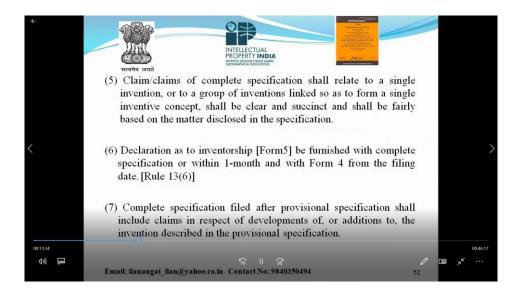


2. Faculty Development Programme on Intellectual Property Rights



Topic	Intellectual Property Rights
Date(s) & Time	20.7.2020 to 25.7.2020 & 10:30 am to 12:00 pm & 3:00 pm to
	4:30 pm
Resource Person	Ms.P.Ilanangai, IPR Consultant, Chennai
No. of	30
Participants	
Nature of	Faculty
Participants	
Zoom ID / Venue	Meeting ID: 976 4253 1086 Password: 030463
Student	Ms.Neethu Priya, Ms. Madhumitha, Mr.Ashwin, Mr.Mohan
Coordinators	Hari Krishna

The faculty development programme on Intellectual Property rights was conducted from 20.7.2020 to 25.7.2020 with two sessions daily. The program focuses on how to draft a patent in detail. All the sessions were handled by Ms.P. Ilanangai, IPR consultant, Chennai. Sessions provide vivid understanding and skills to write a patent for their innovation. Also design patents in various fields and copyrights were also discussed. The assignments given to the faculty made them as skilled person to write a new patent.



Symposiums / Contests conducted from June to December 2020

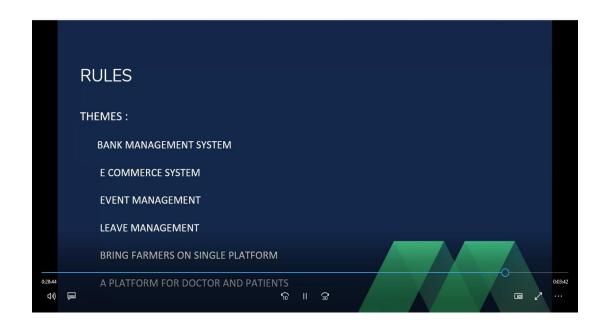
S. No.	Title of the Programme	Nature of the Programme	Date	Resource Person / Evaluators	Brochure
1	.404 found (Hacktober to Design website)	Contest	18.10.2020	Dr.Y.Bevish Jinila & Mr.A.Yovan Felix	PDF 404 found.pdf
2	e-SILICON 2K20	Symposium	11.11.2020 & 12.11.2020	Dr.N.Kumarappan, Chairman, IEEE Madras Section	e-SILICON 2K20.pdf

1. 404 found (Hacktober to Design website)



Nature of the Event	Contest			
Topic	Hacktober .404 Found			
Date(s) & Time	18/10/2020 & 8:30 Am to 3:30 Pm			
Evaluators	Dr.Y.BevishJinila, Dr.Yovan Felix			
No. of Participants	110			
Nature of Participants	Students			
Zoom ID / Venue	969 7053 7315 / 770571			
Student Coordinators	Mr.Kamal Sharma, Ms.Jayaroshini, Mr.Vaibhav			
	Vishal			

The Department of Information Technology in association with IEEE student chapter organized the event Hacktober .404 Found on 18.10.2020 from 8:30 Am to 3:30 Pm. Hacktober .404 is a website design contest. A total of 110 students participated in the event. Out of this, 80 participants are from Sathyabama Institute of Science and Technology and 30 participants are from other institutions.



The event was conducted in three rounds. And, six themes were given for the design. The themes considered for the contest include bank management system, ecommerce system, event management, leave management, bringing farmers on a single platform and a platform for doctors and patients. The contest was interesting and the participants came to know about the various design styles. The first prize was won by Ms.Gayathri S, Dept. of Computer Science and Engineering, Vivekananda college of Engineering for Women. The second prize was won by Ms.Manjushree Dhanraj Patil, B.E EXTC, St. John College of Engineering and Management, Palghar, Maharashtra and the third prize was won by Ms.Haripriya Manne, B.E.-CSE, Sathyabama Institute of Science and Technology.

2. e-SILICON 2K20







e-SILICON 2K20 is a National level technical symposium organized by IEEE Student branch. This was inaugurated by Dr.Kumarappan, Chair, IEEE Madras Section and Dr.T.Sasipraba, Vice Chancellor, Sathyabama Institute of Science and Technology. 10 events are conducted on two days and this provide the platform for students to showcase their talents in the technical arena.

"CODE-IT" a technical competition where the students would participate as an individual. The competition consisted of a single round. The participants were supposed to submit the code snippet without compiling the code. Total of 5 questions were provided and any 3 out of 5 were supposed to be solved. The event was made even interactive when the audiences were also allowed to interact with the coordinators. Correct answers were given acknowledgement in the form of prizes. The winners were encouraged with a certificate as well as cash prizes. The participants were also given certificates as a token of encouragement.

"IDEATE" a technical competition where the students would participate as an individual. The competition consisted of a single round. The participants were supposed to submit their original real time problem idea about the project which can be used to help the society. The event was made even interactive when the audiences were also allowed to interact with the coordinators. Correct answers were given acknowledgement in the form of prizes. The winners were encouraged with a certificate as well as cash prizes. The participants were also given certificates as a token of encouragement.

List of Winners:

1. TECHQUIZ:

1st prize.: Mr.Amit Sampat Patil, Bharati Vidyapeeth College of Engineering 2nd prize: Mr.Kartik Kailash Bhutada, MIT World Peace University, Pune

2. CRAFTRIC:

1st prize.: Ms. Vaishali, Sathyabama Institute of Science and Technology

2nd prize: Ms.Shanu, Government Girls Polytechnic, Lucknow

3. MINUTE SPLIT:

1st prize.: Ms.Sravanthi, Sathyabama Institute of Science and Technology 2nd prize: Ms.Priyadharshini, Manakula Vinayaga Institute of Science and Technology,

Pondicherry

4. PRVIEW:

1st prize.: Mr.Zahin Ekbal, Sathyabama Institute of Science and Technology

2nd prize: Mr.Sagar Kumar, Sathyabama Institute of Science and Technology

5. IDEATE:

1st prize.: Mr. Avijit Singh, Sathyabama institute of science and technology

2nd prize: Mr.Kalaiarasan.A, Bannari Amman Institute of Technology

6. ELEGREEN:

1st prize.: Mr.A.Kalaiarasan, Bannari Amman Institute of Technology

2nd prize: Mr. M.D.Dilshad, Sathyabama Institute of Science and Technology

7. SLIDEO:

1st prize.: Mr.Dheeraj R Kachi, Dr. D Y Patil School of Engineering, Pune

2nd prize: Mr.K Ajay Dev, St Joseph Institute of Technology, Chennai

8. WEB 2.0:

1st prize.: Ms.Saloni Majhi, NIT, Jamshedpur

2nd prize: Ms.Jaya Roshin, Sathyabama Institute of Science and Technology

9. HACKERANKER:

1st prize.: Mr.Manoj N, SRM Institute of Science and Technology

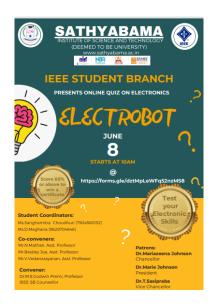
2nd prize: Mr.Divyang Bagla, MIT Pune

10.CODEIT:

1st prize.: Mr.Mahendra Yadav, IIT Guwahati

2nd prize: Mr.Zahin Ekbal, Sathyabama Institute of Science and Technology

Quizzes conducted from June to December 2020



Topic	Electrobot
Date(s) & Time	08.06.2020
No. of Participants	105
Student Coordinators	Ms. Meghana, Ms. Sanghamitra Choudhuri

Sathyabama IEEE Student Branch organizes Live Online Quiz Contest on "Electrobot"" on 08.06.2020. In this Quiz, basic electronic devices have been set as theme. Participants from various fields who were interested in getting an insight into this field attended this quiz.

Topic	Cathode Crunch	
Date(s) & Time	29.06.2020	
No. of Participants	101	
Student Coordinators	Ms. D. Minisha, Ms. S. Madumitha	

Sathyabama IEEE Student Branch organizes Live Online Quiz Contest on "Cathode Crunch" on 15.06.2020. In this Quiz, Basic Science have been set as the theme. Participants from various fields who were interested in getting an insight into this field attended this quiz.



Topic	E=MC^2
Date(s) & Time	15.06.2020
No. of Participants	181
Student Coordinators	Ms. Meghana, Ms. Sanghamitra Choudhuri

Sathyabama IEEE Student Branch organizes Live Online Quiz Contest on "E=MC²" on 15.06.2020. In this Quiz, physics is set as theme. Participants from various fields who were interested in getting an insight into this field attended this quiz.



Topic	Modulation Champ
Date(s) & Time	22.06.2020
No. of Participants	54
Student Coordinators	Ms. D. Minisha, Ms. S. Madumitha

Sathyabama IEEE Student Branch organizes Live Online Quiz Contest on "Modulation Champ" on 22.06.2020. In this Quiz, Communication systems have been set as the theme. Participants from various fields who were interested in getting an insight into this field attended this quiz.

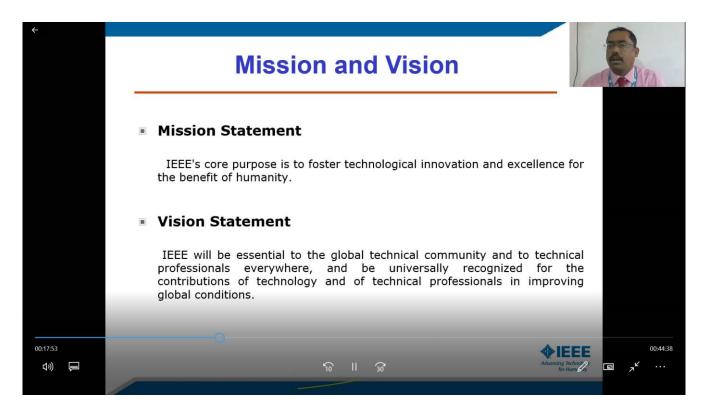


Topic	Spy in the Sky
Date(s) & Time	30.06.2020
No. of Participants	72
Student Coordinators	Mr.Sarish & Mr.Rakesh

Sathyabama IEEE Student Branch organizes Live Online Quiz Contest on "Spy in the Sky" on 30.09.2020. In this Quiz, Space explorations and latest space science technologies have been set as the theme. Participants from various fields who were interested in getting an insight into this field attended this quiz

IEEE AWARENESS PROGRAM

IEEE Awareness program was conducted to second and third year students of School of computing and School of Electrical and Electronics engineering. This program provide the insights about the IEEE membership and benefits of student membership. The session was handled by Dr.V.Vedanarayanan, IEEE staff coordinator from Department of Electronics and Communication Engineering.



Contact us:

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