



# **2022**

# **IEEE SB RSET**

## **Annual Newsletter**





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## MESSAGE FROM CHAPTER ADVISOR



"There is nothing I believe in more strongly than getting young people interested in science and engineering for a better tomorrow for all humankind."

-Bill Nye

The future is about collaboration and teamwork where technology enables people to participate in the created growth. The opportunities are many and the needs are great. Technologists love to solve problems; it's what they do best. We need to provide new models for how to accomplish great things with technology.

Being a member of IEEE of your student branch is the best foundation that can be achieved during the blooming stage as a professional. It gives the students an opportunity to explore and analysis the real need of technology. It brings in them the sense of responsibility to the society they are living in.

I take this opportunity to appreciate the efforts of the current and past Execom members. The strength of our SB is our members and their motivation. Lets continue to be inspired to 'Make a Difference'.

A handwritten signature in blue ink that reads "Elizabeth Rita Samuel". The signature is fluid and cursive, with some variations in letter height and style.

**Dr. Elizabeth Rita Samuel**

## MESSAGE FROM CHAIR [2021]



"We aren't just professionals we are something else"

From a great year in 2020 to 2021, the transition of being held in the pandemic stage brought obstacles that put in tough times, yet we faced meticulously keeping the events going and the members engaged.

With the beginning of the post pandemic stage and a lot of struggles to get used to, we weren't entirely sure of how we can hold the pace, but with best effort we kept the pace as we can and Rajagiri IEEE Student Branch was still on its spirit.

Since we were slowly getting used to the pandemic stage, the way how the surroundings and the world relaxed brought us challenges to hold the pace. At first, we were not the most confident of all to believe that we can run, but we made sure we all knew how to walk! The Student Branch, by all means kept the members engaged, encouraged student members to volunteer and brought in their new ideas into reality.

From earning the Exemplary Student Branch Award to winning the Kochi Hub War again this year, the enthusiasm and support of the students as well as the teachers have been very profound. Being online, all were faced with the hectic mental challenge of being stuck at home and getting exhausted of screens faced 24/7, but

the members of Rajagiri IEEE Student Branch never stepped off conducting and attending events where they proudly represented us and shined the SB even brighter.

"I mention the quote given above a lot but it's literally the main building spirit that can be seen burning in each student member. Though being professionals, the IEEE RSET Student Branch and the ExeCom has been like a family too and have always strived to provide value to their members and serve as a forum for students who are passionate about technology to connect and express their passions.

On this auspicious occasion of the release of the new newsletter for the current year, I would like to take this opportunity to sincerely thank the members of the newsletter team for making this magazine a wonderful one. Wishing you all a great year ahead with more learning and growing opportunities.

A handwritten signature in black ink, appearing to read "Agasto Boney".

Agasto Boney

## MESSAGE FROM VICE CHAIR [2021]



Joining IEEE was one of the best decisions I made to date. When I joined IEEE in my first year, the only expectation from IEEE was to gain exposure to a new crowd. But over these 4 years, IEEE has molded me as a new person. The transition from participant to organizer taught me to handle critical situations and sharpened my leadership skills.

When I first joined the student Execom as Technical coordinator, the guiding factor was the desire to make our student members satisfied with what they needed.

Being the vice-chair of SB was a much more challenging task. But getting such a wonderful team was the biggest blessing. The way in which we supported each other is appreciable. I am actually proud of the various events and initiatives we have taken over these years.

Winning the best SB award is the moment that we would nourish in our minds. The journey to that trophy is not short, but it is a long beautiful journey where we strived, failed, learned, and leaped high. The growth of our SB to the world's third largest student branch is the result of hardwork and effort put by our seniors and our Execom members.

Though half of the phase of this year was online, SB has organized numerous virtual events with great participation from our members.

Organizing events without making people tired of the same kind of events was definitely a tough and challenging task. But the Execom members as well as our student members came up with innovative ideas contributing to conduct quality events where each and every participant can learn either a hard skill or soft skill.

It was an absolute pleasure to be a part of this wonderful Execom and glad to work with an amazing team. I am quite sure that the next Execom would be taking SB to yet another level. I hope that each one of you come forward and be a part of this growth. Always grab the opportunities around you. Because each step that you take will definitely bring growth to SB as well as you.

A handwritten signature in black ink, appearing to read "Diya Denny".

**Diya Denny**



# EXECOM 2021



**CHAPTER ADVISOR**  
**Dr. Elizabeth Rita Samuel**



**CHAIR**  
**Agasto Boney**



**VICE CHAIR**  
**Diya Denny**



**SECRETARY**  
**Maria Rojo Jose**



**TREASURER**  
**Ben Biju**



**TECHNICAL COORDINATOR**  
**Ann Rose Cherian**



**WEBMASTER**  
**Anisha Anilkumar**



**EC COORDINATOR**  
**Sara Paul**



**MD COORDINATOR**  
**Thomas K Gimmy**



**LINK REPRESENTATIVE**  
**Irene Mariam Sajan**

## IEEE INDUSTRIAL APPLICATION SOCIETY



**CHAPTER ADVISOR**

Nitheesh Kurian



**CHAIR**

P Aiswarya



**VICE CHAIR**

Irin Sunny



**SECRETARY**

Edwin Thomas Mathew



**TREASURER**

Muhammed Shahabaz

## IEEE COMPUTER SOCIETY



**CHAPTER ADVISOR**

Anu Maria Joykutty



**CHAIR**

Vinay Mathew Varghese



**VICE CHAIR**

Manukrishnan N S



**SECRETARY**

Namitha Santhosh



**WIC REPRESENTATIVE**

Sneha Ramesh

## IEEE POWER AND ENERGY SOCIETY



**CHAPTER ADVISOR**



**CHAIR**

Sonal Saju



**VICE CHAIR**

Arjun M B



**SECRETARY**

Nandana M



**WIP REPRESENTATIVE**

Diya Maria Beno

## IEEE WOMEN IN ENGINEERING AFFINITY GROUP



**CHAPTER ADVISOR**

Dr. Elizabeth Rita Samuel



**CHAIR**

Athira Sankar



**VICE CHAIR**

Alina Thomas



**SECRETARY**

Priyanka Roy

## IEEE ROBOTICS AND AUTOMATION SOCIETY



**CHAPTER ADVISOR**  
Anu Maria Joykutty



**CHAIR**  
Adithya S M



**VICE CHAIR**  
Jerin Peter



**SECRETARY**  
Sradha Suresh

## SPECIAL INTEREST GROUP LEADS



**ELECTRONICS INTEREST  
GROUP**

Reneetta Sera John



**COMPUTER INTEREST  
GROUP**

Anna Rose



**ROBOTICS INTEREST  
GROUP**

Aromal Anil Kumar



**IEEE SB RSET**



# **EXECOM 2022**



**BRANCH COUNSELLOR**

**Dr. Elizabeth Rita Samuel**



**CHAIR**

**Ben Baiju**



**VICE CHAIR**

**Maria Rojo Jose**



**SECRETARY**

**Neil Rojan**



**TREASURER**

**Edwin Thomas Mathew**



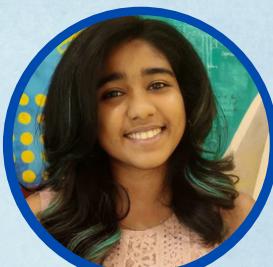
**TECHNICAL  
COORDINATOR**

**Aromal Anil Kumar**



**EC COORDINATOR**

**Chinnu Rose Jose**



**DESIGN HEAD**

**Sandra Xavier**



**PROGRAM  
COORDINATOR**

**Sanjana Nair**



**MD COORDINATOR**

**Jestin Varghese Koshy**



**Swetha Sathyan**



**WEBMASTER**

**Muhammed Nihal C**

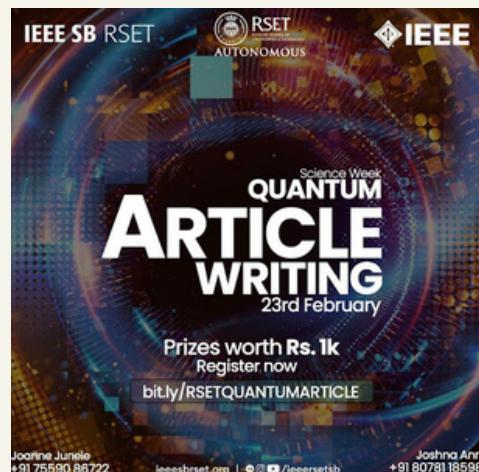


**LINK REPRESENTATIVE**

**Namitha Santhosh**

## Quantum Article Writing

The Quantum Article Writing competition was organized by IEEE RSET SB for all RSET students. The participants were asked to write an article based on the topic: An Innovation or a Discovery that seems Impossible Now, but Possible in the Near Future'. The participants were not allowed to use certain words such as observe, future, technology, scientific, particle and much more in their article. The competition was a huge success as it gave the students an opportunity to explore more in the world of science.



## Quantum Idea Pitching

The Quantum Idea Pitching was a thrilling event organized for all RSET students. The theme of the event was 'To promote Creative Economy for Sustainable Development and Identify a solution that can solve such Relative Issues'. The competition had 2 rounds. The first round included abstract submission of their proposed idea. The final round was the idea presentation round where they had to present their ideas and answer the questions put forth by the judges. The competition was a successful one as the participants had real time understanding on various guidelines they needed to consider while pitching their innovations.

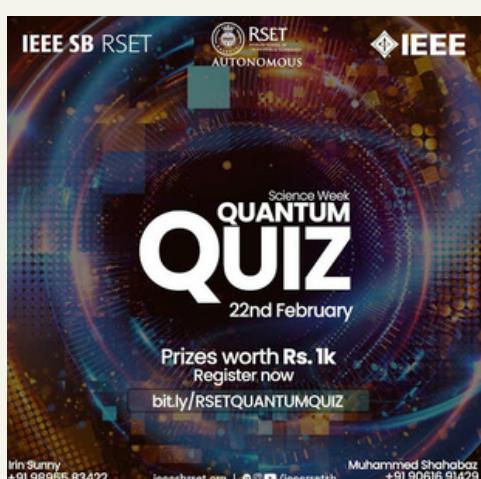
## Quantum Debate

An entertaining debate competition organized by IEEE RSET SB exclusively for RSET students. The event gave students a platform to express their views and opinions on the topic "Is cybersecurity one of the biggest threats to our generation?". The 3 day event was hosted on google meet .The students were divided into two teams and they were given a time limit of 1 hour. Ajay Raj KP (S5 CSE Alpha) emerged as the winner with Jisha Joseph (S3 CSE Beta) and Azmina Iqbal(S1 CSE Alpha) in the second and third places respectively.



## Quantum Quiz

On 24th September, an exciting quiz competition was organized by RSET IEEE SB exclusively for RSET students. The quiz was hosted on google platform and the event tested the participants pace and knowledge in various branches of science. Total of 25 minutes was given to solve 50 questions. The event was coordinated by Joanne Juneie and Joshua Ann Salu.The quiz consisted of 2 rounds and selected students were allowed to take part in the 2nd round. Joyal Jacob(S1 ME Beta) emerged as the winner with Nikhil Zachariah(S1 CSE Gamma) and Muhammed Nihal in second and third places respectively.



### CoviDrive

Covidrive was an initiative led by IEEE and IEDC of RSET. In it, The Fundraising and Blood donation campaigns were headed by IEEE. The faculty members-in-charge were Mr Niteesh Sir and Mrs Elizabeth Ma'am. The fundraising aimed to help people who were affected by the Covid pandemic. The fundraising started on May 4th and ended on June 6th, 2021. The publicity and networking were done through WhatsApp and Instagram (@covidrive.rset). A total of Rs. 80,000 was raised. The comedy night raised Rs.5750 and the challenge raised Rs.10,000.



### Annual General Meet

The Annual General Meeting for the year 2020-2021 was held on 15th May, 2021 from 4:00 to 6:30 pm via Zoom. The meeting began with the presidential address by the principal, Dr. P.S. Sreejith. This was followed by motivating talks by the chief guests for the day, Dr. R.K. Suresh Nair, Mrs. Sarada Jayakrishnan, Mr. Shankar Jayaraj and Mr. Nandan S. Their words inspired the student members to take up more challenges in IEEE and also congratulated them for their tremendous achievements. Following the talks, Dr. Elizabeth Rita Samuel, the branch counselor, addressed the gathering with her words of wisdom and inspiration. The branch chapter

advisors, Ms. Anu Maria Joykutty, Mr. Nitheesh Kurian and Ms. Prathibha P K too addressed the audience with their experiences and encouraging words. This was followed by the newsletter launched by Dr. Suresh Nair. The most awaited moment was the declaration of the SB Volunteer Awards' winners by Mrs. Sarada Jayakrishnan. This was followed by the presentation of the Annual Report by Rohith Joseph Mathew, Chair 2020. The SBC Chairs of the year, 2020, Nivetha KM, George Thomas Mohan, Ann Rose Cherian and Athira Sankar presented the annual reports of their respective societies and affinity groups. The financial report was presented by Ben Baiju in the absence of Greeshma Stani. This was followed by the present chair, Agasto Boney addressing the gathering and introducing the new Execom members. The programme came to an end with a vote of thanks by Maria Rojo Jose. The event was truly a great success and the new Execom aims to keep the flag of the SB flying high always.



## YP Talk: Preparing For Multiple Careers

On 5th June 2021, IEEE RSET SB in association with IEEE Kerala Young Professionals had conducted a YP talk on Preparing For Multiple Careers from 6 to 7PM. The speaker was Mr. Gitin Jacob George, CEO- DAFA Builders Pvt.Ltd who shared his tips to balance passion and career and on how to establish a start-up successfully. A total of 208 participants were present for the session.



## LOLCODE

RSET IEEE SB in association with the Inter-Student Branch Cluster competitions by Kochi Hub organized LOLCODE, a one of a kind coding contest. The competition was held on 6th June 2021 from 7 to 12 pm on the HackerRank platform. The contest had 6 problem statements all depicting situations from famous sitcoms. The participants had to solve the questions using LOLCODE, a programming language known for its bizarre syntax within the time frame of 5 hours. This fun-packed competition was attended by 120 participants from over 35 colleges in the Kochi Hub.

## PELS Day: Webinar , Group Discussion , Idea Pitching

RSET SB in collaboration with IEEE IA/IE/PELS Jt. Chapter Kerala organised the much sought-after event IKON which began on the 25th

of June, 2021 at 6:30 PM. The 3-day event commenced with a brilliant webinar by Dr. Harish S. Krishnamoorthy,

IEEE PELS YP Chair and Assistant Professor, University of Houston, ECE Department on the dynamic topic "Power Electronics for Renewable Energy System". The webinar no doubt challenged the participants to a competitive Group Discussion round on the





second day with an intense topic - "Application of Power Electronics in the field of Engineering". Last but not least was the most appreciated Idea Pitching Round on Day 3 which saw the finalists battle it out in a highly competitive race. Congratulations to the winners Albin Rony, Rayhan H Khan, and Jishnu T J who stood first, second and third respectively, all from RSET. The event thus was a huge success and saw more than 68 registrations and more than 40 participants.

## IEEE 101

IEEE 101 was an innovative talk session conducted by the SB on 27th September 2021 at 07:30 pm. The event was held via Google Meet and the participants were able to get a complete insight into the life of IEEE members in RSET. The benefits and reasons for joining IEEE were also put across to enlighten more minds to be a part of this organization, to learn and grow in life. The speakers were, Mr. Agasto Boney, Chair, Ms. Ann Rose Cherian, Technical Coordinator, Mr. Rohith Joseph Mathew, ex-Chair and Mr. Thomas K Gimmy, the MD Coordinator. The session came to an end by 8: 30 pm and fetched great responses from the audience.



## Webinar on GATE and PSU jobs in collaboration with ENTRI Writing



A webinar was hosted by the ENTRI APP team in association with RSET IEEE SB , which is currently an upcoming edutech application that has been prominent in kerala for a while. The session was held on 26th August from 7.30 PM to 9PM. A total of 170 participants registered for the event and all the participants had a better outlook into their future career options and more.

## Mr. and Ms. Perfect 2.0

As a part of SkilleX by IEEE RSET SB, an innovative competition for Mr. and Ms. Perfect 2.0 was conducted from the 5th to 19th of December through 4 different rounds. The first round was aimed to judge the logical and ethical reasoning skills of the participants. The second round was conducted in the form of an online talent show, where each participant was expected to submit a video exhibiting their choice of talent. Round 3 was a creative group discussion aimed to judge creativity, teamwork and leadership skills. Four groups of 5 were given thirty minute time slots to have a live group discussion based on the ability to come up with a creative story involving a set of pictures, given and judged by Mr. Agasto Boney, qualifying 6 to the final round. The final round of the event assessed stress management skills, through a stress interview with the panel consisting of Ms. Aleena Haleel and Mr. Sreehari A. S. Arjun Dinukumar, S1 EEE and Mekha Chandran Shoja, S1 AI and DS were awarded with titles Mr.Perfect and Ms.Perfect respectively.



## TECHNOLOGY AND ENGINEERING MANAGEMENT INTEREST GROUP

### What If? - Elocution Competition

The Technology and Engineering Management Interest Group of RSET IEEE SB organized What If, an elocution competition which consisted of a single round on 27th of August 2021 from 3 pm through google meet. The participants had to talk for 4 minutes about a given failed company. The judge for the round was Ms.Josiya Shyla Shaju. A total of 14 students participated in the competition out of which the top 3 participants; Raphael Tony, Amokh H Namboothiri, Niya Bimal were declared the winners and awarded with cash prizes.



### Sellers of Asgard

The Technology and Engineering Management Interest Group of RSET IEEE SB organized Sellers of Asgard. The event consisted of two rounds. In the first round, the contestants were given 24 hours to submit a photo and tagline for a given product. The second round was held on 29th August 2021 from 5:00 pm through google meet. 16 participants registered for this event, out of which 5 participants were selected to the final round. In the final round, the participants had to make a sales pitch for a given product to the judges. The judges for the final round were Jacob Mathew and Aashish Chazhoor. The top 3 participants were declared the winners and awarded with cash prizes.



## Endgame - Crisis Management

The Technology and Engineering Management Interest Group of RSET IEEE SB organized Endgame: A Crisis Management Competition. The event consisted of two rounds. The first round was held on 28th August 2021 through google forms. The second round was held on 30th August 2021 and 25 teams registered for this event, out of which 6 teams were selected to the final round. The judges for the final round were Rohith Joseph Mathew and Aleena Haleel. The top 3 teams were awarded with cash prizes.



## Stark Expo - Idea Pitching

The Technology and Engineering Management Interest Group of RSET IEEE SB organized Stark Expo, an idea pitching contest. The event consisted of two rounds. In the first round, the contestants were given 24 hours to submit an abstract of their idea according to the problem statement given. The second round was held on 30th August 2021 from 4:00 pm through google meet. 11 teams registered for this event, out of which 5 teams were selected to the final round. The participants had to pitch their idea to the judge with the help of a presentation and talk about why their idea is better than everyone else's. The judge for the final round was Niveta K M. The top 2 teams were awarded with cash prizes.

## War of Words

The Technology and Engineering Management Interest Group of IEEE RSET SB organized 'War of Words', a spectacular debate competition as a part of the IEEE Day 2021 celebration on 19th September 2021. The debate saw an impressive turnover with more than 18 participants who were divided into groups for the debate, speaking for and against the topic. The participants were judged individually based on their performance and rebuttal skills.



## Ace-the-Case

As a part of the flagship event "SkillEx", the IEEE RSET SB conducted a competition from 7th to 11th December 2021. The competition was conducted in two rounds. In the first round, the teams were given business statements on which they had to create an abstract, video or a presentation, within a time limit of two days. For the second round the selected teams from the first round were asked to present their analysis on a management related problem given to them 1.5 hours prior, after which they had to present it and answer questions from the judges. The teams were graded on their communication and analysis skills. A total of 31 participants enthusiastically gave in very innovative and interesting inputs.







## MESSAGE FROM CHAPTER ADVISOR



"Any society that does not succeed in tapping into the energy and creativity of its youth will be left behind"

- Kofi Annan

Power and Energy Society under IEEE focuses on enabling students to be familiar with the latest technologies and updates about power energy. As I pen down to write the Chapter Advisor message for our IEEE Power and Energy society newsletter, it gives me immense pleasure for the achievements of our chapter. With the dedicated and most enthusiastic students, our chapter were able to reach a regional 10th position in the High-Performance award 2021.

A chapter at its infant stage (with more than 100 members), reaching to the top 10th position globally is only because of the dynamism of my students amidst the pandemic situation. 2020 Outstanding Student branch chapter- Silver Plaque was also awarded to our chapter by IEEE Kerala PES chapter for meritorious, outstanding, and sustaining contributions in PES Kerala chapter activities. Though we were not able to conduct any major offline events because of the Covid-19 situation, we could conduct 10 quality online events including the PES general meeting on 13th February 2021.

It was a proud moment for me to receive the IEEE Outstanding Branch Chapter Advisor award 2021 and I take this opportunity to thank post Execom members and my students for their whole- hearted support. I also appreciate the efforts put forward by all members in making this newsletter a reality. Wish we could conduct more humanitarian activities for the coming year and thereby making the technology works for the enrichment of mankind.

A handwritten signature in black ink, slanted from bottom-left to top-right, reading "Prathibha P K".

**Ms. Prathibha P K**



# **EXECOM 2022**

## **IEEE POWER AND ENERGY SOCIETY**



**CHAPTER ADVISOR**

**Prathibha P K**



**CHAIR**

**Diya Mariam Bino**



**VICE CHAIR**

**Deepu Antony**



**SECRETARY**

**Rahul Raj**



**TREASURER**

**Abel Thomas**



**WIP REPRESENTATIVE**

**Swetha Justus**

## PES General Meeting

On the 13th of February 2021, the Power and Energy society of RSET IEEE conducted their first general meeting with all their new members. About 33 students attended the session. It started at about 5:30pm. The meeting mainly dealt with introducing and familiarizing the society to the new members. Students were informed about the different positions and activities within the society, introduced them to their Execom and had a small interactive session with the past execom members to increase their awareness.



## Renewables: The future of power

**Renewables:**  
The Future of Power

Mr. Ajith Gopi  
Vice Chair  
IEEE PES Kerala

19th February, 2021  
7-8:00 pm

[http://bit.ly/PES\\_Webinar1](http://bit.ly/PES_Webinar1)

The IEEE PES SBC of Rajagiri School of Engineering and Technology had organized a webinar on renewable energy that went by the name "Renewables: The Future of Power". There were 120 registrants and 73 active participants. The webinar was hosted on Google Meet from 7.00 pm to 8.00 pm on 19th February 2021. The resource person for the evening was Mr. Ajith Gopi, Vice Chair of PES Kerala Chapter and the Programme Officer at ANERT, the State Nodal Agency for Renewable Energy under the Power Department of Government of Kerala. The session covered various interesting topics like types of solar panels, solar farms, wind farms, hybrid inverters and blockchain mechanisms. The event was effective in making everyone understand the importance of sustainable development.

## Webinar: Renewable Energy Forecasting using ANN

The PES Chapter of RSET SB conducted a webinar on the 5th of April as a part of the 2021 PES Day activities and followed the theme 'Clean Energy Revolution'. The speaker, Mr. Chiranjeevi Bala Kotharu, project lead engineer at Black and Veatch, explained the use of artificial intelligence in renewable energy forecasts. The webinar was a great success with over 150 registrations for the event.

**Webinar**  
**Renewable Energy Forecasting using Intelligent Systems (ANN)**

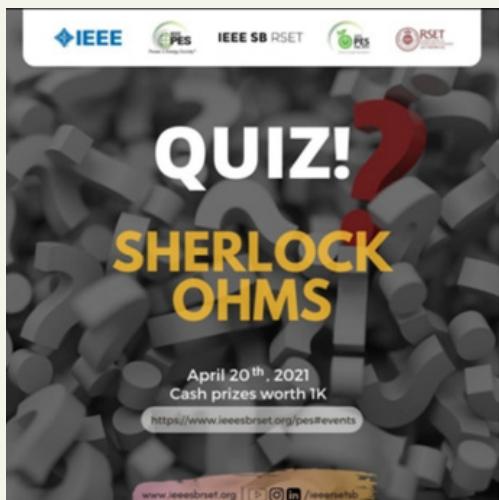
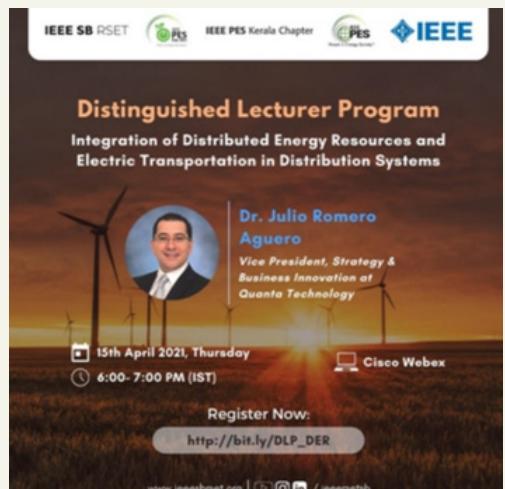
**Speaker**  
Chiranjeevi Bala Kotharu  
Project Lead Engineer at Black & Veatch

April 5th 2021, Monday  
7:00 - 8:00 PM (IST)

**Register Now:**  
[http://bit.ly/Pes\\_webinar2](http://bit.ly/Pes_webinar2)

## DLP

The IEEE PES SBC of RSET organized a Distinguished Lecturers Program in collaboration with the IEEE Kerala Chapter on 'Integration of Distributed Energy Resources and Electric Transportation in Distribution Systems'. The event was hosted via Cisco Webex on the 15th of April and drew over 60 registrations. Mr. Julio Romero Aguero, Vice President Membership & Image IEEE PES and Vice President Strategy & Business Innovation, Quanta Technology, was the resource person of the event. The event discussed topics on Future electricity system, DER Integration Challenges and Impact, Unintentional/ Accidental Islanding, and Transportation Electrification.



## Quiz: Sherlock Ohms

"Sherlock Ohms" was an online quiz program organized by the IEEE PES SBC of Rajagiri School of Engineering and Technology, as part of the PES day celebration on 20th April, 2021. The quiz program started at 7:00 PM and ended by 7:20 PM. There were 99 registrants for the quiz, out of which 58 participated. The quiz consisted of 30 questions about General Science, Technology and Renewable Energy.

## Green Blog: Article Writing Competition

The IEEE PES SBC of RSET organized a Distinguished Lecturers Program in collaboration with the IEEE Kerala Chapter on 'Integration of Distributed Energy Resources and Electric Transportation in Distribution Systems'. The event was hosted via Cisco Webex on the 15th of April and drew over 60 registrations. Mr. Julio Romero Aguero, Vice President Membership & Image IEEE PES and Vice President Strategy & Business Innovation, Quanta Technology, was the resource person of the event. The event discussed topics on Future electricity system, DER Integration Challenges and Impact, Unintentional/ Accidental Islanding, and Transportation Electrification.



## Webinar: Women in STEM

IEEE PES SBC of RSET hosted a webinar on Women in STEM on 25th April, 2021. The speaker was Ms. Mercy Chelangat, Vice-Chair of PES Day 2021 and Women in Power Lead of Region 8. The webinar's main goal was to help participants understand the issues faced by women in the STEM field and how to work through these obstacles. The event had around 50 active participants. The session dealt with the importance of women in STEM and how PES society and the Women in Power community constantly work towards empowering women in the energy sector. The session also addressed the Power and Energy Society, the Women in Power community and the various programs and resources they offer to empower women in the energy sector.



## Workshop: Industrial Automation with PLC



The IEEE PES RSET SBC and IEEE IAS RSET SBC collectively organized a three-day workshop on Industrial Automation with PLC conducted by Industrus Tech. The workshop was handled by the experienced faculty at Industrus Tech. The daily sessions lasted for two hours from 5 pm -7 pm and around all the registrants attended. There were about 63 students who registered for this event. The first two sessions were an introduction to the theory and concepts of PLC and the third session saw the mentor demonstrate the parking system in shopping malls as an application of PLC. Daily homework was given to increase student engagement. The session was well received by the attendees and the chapter received excellent feedback from the participants.

## PES : Group Discussion

The technical group of IEEE PES RSET SBC hosted a group discussion on 16th May 2021, for a duration of 30 minutes. The topic in focus was "Latest developments or technologies in energy industries". The discussion was about the existing and known technologies in the renewable energy industry like the use of wind turbines to create electricity etc. The newly emerging technologies in the field like Internet of Energy (IoE), latest energy storage techniques and application of Blockchain technology as well as of Quantum Computing in energy industries were also part of the discussion. The group discussion helped the participants to get a clear insight into some of the latest and newly emerging technologies in energy industries.



## PES YP Panel Discussion

The IEEE PES SBC of Rajagiri School of Engineering and Technology, Kochi along with IEEE Young Professionals and IEEE PES Kerala Section conducted a YP Panel Discussion on the 23rd of May 2021 from 5:00 pm to 6:30 pm. The panelists included four talented Young Professionals in the Kerala Chapter namely Mr. K S Saran, Student Activity Coordinator, Ms. Raneena Raoof, YP Women in Power Representative, Ms. Staji Wilson, WiP Subregional Representative, and Mr. Albin Paul, Humanitarian Activities Coordinator- IEEE PES YP Kerala Chapter. They were invited to share their experiences and expertise in being an IEEE PES member. The event saw registrations from over 92 students.





*IEEE*  
**Robotics &**  
**Automation**  
Society



## MESSAGE FROM CHAPTER ADVISOR



"Advancing technology for humanity"- At an age when technology dominates every sphere of life, it is our prerogative as engineers to judiciously use technology for the betterment of life and mankind. As members of IEEE, it is our responsibility to uphold this vision and ensure that every step ahead is inching us toward this goal.

We live at times when our life risks are aplenty. Be it war, inflation or the pandemic, what we seek is a permanent and universally acceptable solution. With the aid of technology, it is most befitting for us engineers to devise and execute missions to make the world a safer and better place.

IEEE RSET SB has absorbed the true essence of engineering and IEEE. With equal focus laid on technical and humanitarian activities, our SB has been spreading awareness amongst its members about the scope and potential of engineering. RSET SB activities have thus far been truly commendable with four technical societies and an affinity group under its wing.

As the chapter advisor of RAS, I would like to particularly highlight the efforts of the chapter in nurturing the interests amongst the student members in robotics and automata. At its nascence itself, IEEE RSET RAS Chapter has organized events to meet this objective. We see much opportunity for growth and are steadily moving forward in this direction. Enthusiastic young minds and the rich talent pool, with the right support and mentoring, form the core of our RSET SB. Let us together strive to take our SB to greater heights and achieve more success in the coming years.

A handwritten signature in blue ink, appearing to read "Maleeha".

**Ms. Maleeha Abdul Azeez**



# EXECOM 2022

## IEEE ROBOTICS AND AUTOMATION SOCIETY



**CHAPTER ADVISOR**  
**Maleeha Abdul Azeez**



**CHAIR**  
**Jetlee Jess Jain**



**VICE CHAIR**  
**Alia Shiraz**



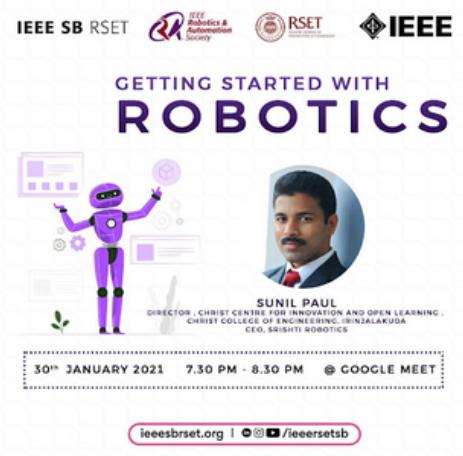
**SECRETARY**  
**Ajoe Joseph**



**ROBOTICS INTEREST  
GROUP**  
**Aiswarya Menon**

## Getting Started With Robotics

RSET IEEE RAS SBC, in association with Robotics Interest Group, conducted its 1st talk on Getting started with : Robotics, on 30th Jan 2021 from 7:30 pm to 8:40 pm on a google meet platform. The talk was handled by Mr. Sunil Paul (AMIME, MIEEE,MISTE, MRSI), Director of Christ Center for Innovation and open learning at Christ College of Engineering, he is also the CEO of Srishti Robotics Technologies Pvt Ltd, Kochi. The webinar gave details on how a beginner can get started with robotics. An audience of 112 students from various branches attended the event and expressed positive feedback.



## Esplora

Esplora ,a competition based on Arduino was conducted by RSET IEEE RAS SBC in association with IEEE Robotics and Automation Society Kerala Chapter as a part of Arduino Day .The participants had to submit an Ardino-based project with demonstration video and documentation. The event was conducted from 21st March to 27th March 2021 with a prize pool of Rs 2500 . Out of the 20 teams that participated, 3 projects were shortlisted by Mr Sunil Paul,CEO of Srishti Robotics. The winners were Arjun P,Abhijith S S , Nikhil Suresh, Reo Ashwin John from GEC Barton Hill, Trivandrum(1st Place), Manas Manohar, RSET(2nd Place) and Vishu G Sabu ,College of Engineering , Chengannur (3rd Place).

## RAS General Meeting

The first of the six meetings conducted by RSET IEEE SBC in 2021, was held on 11th February. The meeting, which consisted of the ExeCom Members, discussed the details of the upcoming events and the progress of the ongoing ones. The highlight was the decision to continue the 'Getting Started With' Series after the success of the 'Getting Started With: Robotics' event.

## Getting Started With Drones

RSET IEEE RAS SBC, in association with Robotics Interest Group, conducted its 2nd talk on Getting started with : Drones, a talk about the very basic idea of drones on 9th May 2021. The talk was held from 7.30pm to 9:00pm consisting of 90 participants from various colleges across the state. The speaker Mr. Abraham George M, founder of Drone Racers Kerala, talked about the very basics of drones. He also explained how to get started with drones , its procedures and many more. His methodology of blending theory portions into real life application was found to be efficient and made the session lively. The talk was very informative and extremely well received by the participants with a positive feedback.



## Getting Started With IoT

IEEE RSET RAS SBC, in association with Robotics Interest Group, conducted the 3rd talk in the series, Getting started with : Internet Of Things, a talk about the very basic concepts of internet of things. The talk was conducted on 16th May 2021 from 7.30pm to 8:30pm comprising around 50 participants from various colleges across the state. The speaker, Mr Abhinav Rajeev, Associate Professional Software Engineer, DxC Technologies talked about elements and various aspects of IOT and how it can be integrated in our daily lives. A short demo on how to use the Blynk app was also shown by the speaker along with a demo of implementation of IOT using ESP8266, blynk and IFTTT. The speaker emphasized on an example based explanation of the concepts. The session was informative and also received good feedback from the participants.



## Getting Started With Image Processing

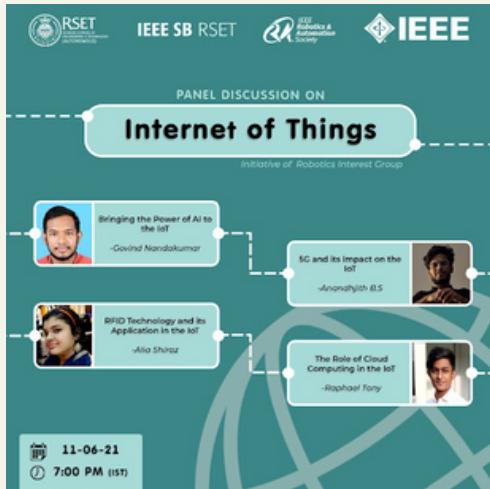


RSET IEEE RAS SBC, in association with Srishti Robotics Technologies, conducted the 4th talk in the series, Getting Started with Image Processing with OpenCV on 6th June 2021, at 7 pm via Google Meet. The session was led by Mr. Jithin C V, Director of Srishti Robotics Technologies, who spoke on how image processing is done with OpenCV. It was an interactive session with around 90 participants from various colleges around the state. Overall, it was an informative session and gave the students a better idea about Image Processing.

## Bits N Bytes

RSET IEEE RAS SBC conducted a technical quiz ,Bits N Bytes, on 13th June 2021 via the Quizizz platform. The event drew over 50 participants and had a prize pool of Rs.1000. The quiz assessed the participant's technical knowledge and logical skills in the fields of Robotics, Computing, and Logical Reasoning. The event concluded with Thomas Philip S4 IT, Ajay Raj S6 CSE ALPHA, Ananthu S S2 ECE ALPHA, being declared the winners.



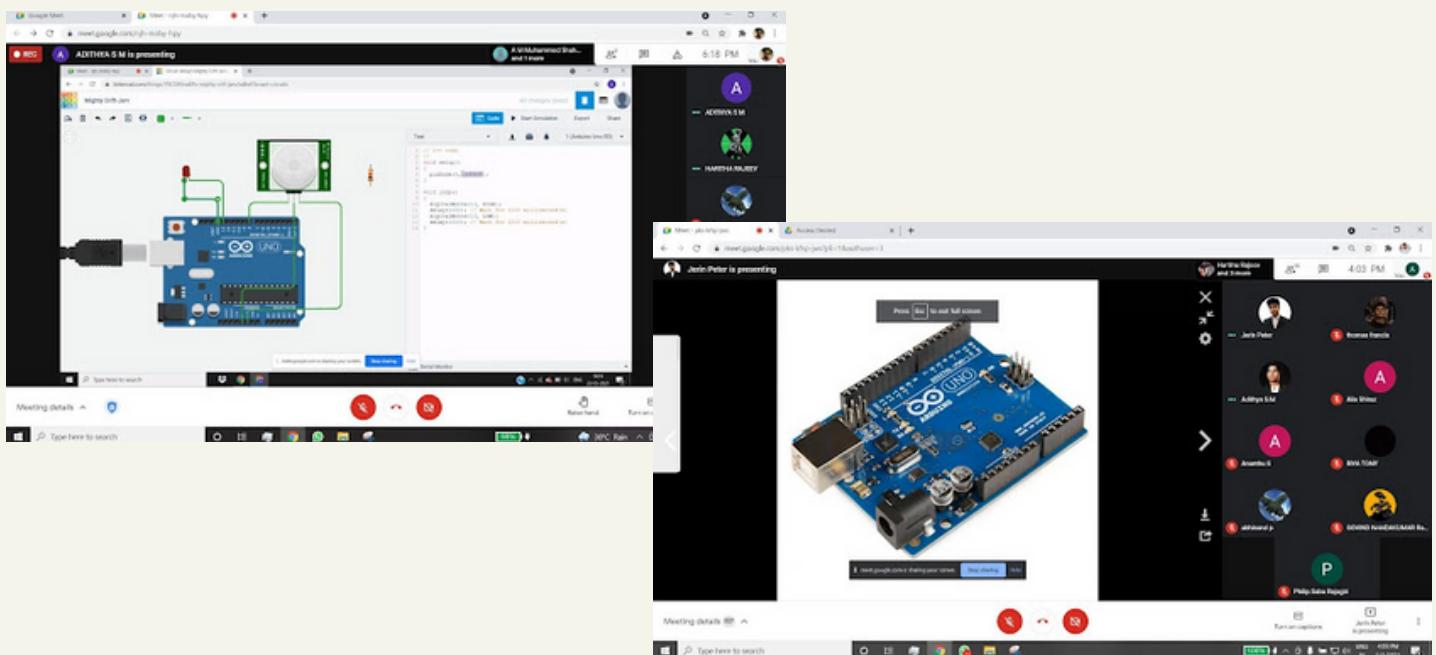


## IoT Panel Discussion

RSET IEEE RAS SBC in collaboration with The Robotics Interest Group held a panel discussion on IoT on 11th June 2021. The panel, consisting of Govind Nandakumar S2 EEE, Anandhjith BS S6 EEE, Alia Shiraz S4 CSE, and Raphael Tony S2 CSE, gave an insight on how AI, RFID technology, cloud computing, and 5G are at the heart of the acceleration into IoT and digitalization. The session, moderated by Aromal Anil Kumar, IEEE SB RSET Robotics Interest Group Lead, was enlightening and provided a forum for sharing information cordially.

## Robotics Interest Group

Robotics Interest Group led by a team of 5 members, started off with an ice breaker session on 27th April 2021 with a participant count of 14. From 2nd May 2021 to 5th June 2021 a series of Arduino classes were held to give the participants an overview of the Arduino platform, the use of Arduino and associated programming to blink LEDs, PIR sensor and LED RGB lights, Arduino application using ultrasonic sensor , photoresistor and voltage divider. Participants were asked to work with a virtual Arduino using TINKER CAD software during these sessions. The next event by the Robotics Interest Group was a panel discussion on IoT which was held on 11th June 2021. Aromal Anil Kumar, IEEE SB RSET Robotics Interest Group Lead, moderated the session.





**IEEE  
COMPUTER  
SOCIETY**



## MESSAGE FROM CHAPTER ADVISOR



"The Student Branch of Rajagiri School of Engineering and Technology had always been inspirational and has provided wonderful platforms and opportunities for its student members.

The increasing number of societies within the SB is a great indication of the same. Our endeavour is to facilitate multitude of benefits to each student member, thereby enhancing their IEEE experience.

I truly believe that despite the testing times we as an SB can grow further with a vision that focuses on utilising our potential to the fullest extent, strengthening the skillset of our student members and in turn contributing back to the society. Wishing each and every one of you an amazing year of volunteering, learning and inspiring.

A handwritten signature in blue ink, appearing to read "Anu Joykutty".

**Ms. Anu Maria Joykutty**



# EXECOM 2022

## IEEE COMPUTER SOCIETY



**CHAPTER ADVISOR**  
**Anu Maria Joykutty**



**CHAIR**  
**Manu Krishnan**



**VICE CHAIR**  
**Anna Rose**



**SECRETARY**  
**Raphael Tony**



**WIC REPRESENTATIVE**  
**Arathy S**



**COMPUTER INTEREST  
GROUP**  
**Abhiram Ramachandran**

## Machine Learning Bootcamp

The RSET IEEE Computer Society organized a Machine Learning Bootcamp which was conducted online from 12th to the 14th of February in three sessions. The first session of the workshop was on Introduction to Machine Learning, led by Ali Mustafa Shaikh, Lead Ambassador of IEEE Collaboratec in India and a certified Cloud and ML Trainer. He discussed the basics of Machine Learning and a short guide on becoming a certified Cloud and ML Trainer along with being part of a Google Cloud Developer Community. The second session was led by Athul Ram, CEO of Verdatum AI on the topic Logic Regression. he various aspects of Machine Learning and data analytics were discussed. The final session on Introduction to Deep Learning and applications was led by George V Jose, Research Project Assistant in Indian Institute of Technology. Around 90 students participated in the event and received positive feedback. The interactive presentations and hands-on training made the bootcamp efficient and productive resulting in a huge success.



## Introduction to Computer Society



On 28th March 2021, a webinar was hosted by IEEE Computer Society in collaboration with SB MD Drive on the topic "Passionate about Computer Science" from 7 pm to 8 pm. The session was handled by the existing CS members and they gave a headstart about the Computer Society. It helped students to understand the accelerated breakthrough of the digital world and its evolution in the upcoming years. The event was conducted successfully and the membership grew from 33 to 52.

## Webinar on NLP

RSET IEEE Computer Society in association with the Department of Computer Science And Engineering, RSET conducted a webinar on the topic "Introduction to NLP and Its Recent Advancements" via Cisco Webex on 21st April 2021 from 2:30 to 4:30 pm. The speaker for the session was Mr Premjith B, Faculty Associate, Center for Computational Engineering and Networking(CEN), Amrita Vishwa Vidyapeetham. He is an expert in the field of NLP, Computational Linguistics and Deep Learning. The session was informative and beneficial for the participants. More than 100 students attended the webinar.



# Mindsweeper: Computer Aptitude Test



The RSET IEEE Computer Society in collaboration with WiE AG RSET IEEE conducted a computer aptitude event 'Mindsweeper' on May 1st 2021 to familiarize students with debugging, technical quiz, logical reasoning and ASCII code in the form of a quiz. The event was conducted in online mode via Google Forms for a duration of 30 minutes. The event was open to all students of RSET and had over 80 participants from which the top three participants were declared winners.

## Introductory session of Coding classes

The introductory session of coding classes organized by RSET IEEE Computer Society was conducted on 1st May 2021 from 10 AM. The welcome address was delivered by Ms. Anu Maria Joykutty, faculty advisor of RSET IEEE CS SBC. After which the mentors Ms Priyanka Roy of S4 CSE and Mr Manu Krishnan N S of S4 CSE gave a brief overview of the classes of C++ and Python programming languages respectively. The session concluded with Mr Vinay Mathew Varghese, Chair of RSET IEEE CS SBC delivering the vote of thanks. The session was attended by the students who had registered for the coding classes.



## Introduction to IEEEXtreme

A talk on Introduction to IEEEXtreme was organized by RSET IEEE Computer Society on 22nd May 2021 through Google Meet platform. The speaker for the day was Varghese Babu, Kerala Section lead, IEEE Xtreme 15.0. He discussed what IEEEXtreme is, the benefits, the awards, what the duty of a proctor is and how one should tackle the problems in Xtreme. IEEEXtreme is an annual international coding competition in which teams of IEEE Student Members compete in a 24-hour time span against each other to solve a set of programming problems. Mr Varghese Babu explained the kind of questions normally asked in Xtreme and the different ways to tackle those challenges. The session was attended by 25 participants.

### Mock Xtreme

The computer society of the SB organized a total of five mock Xtreme sessions in order to prepare and train the participants for the upcoming XTREME competition. The first session was conducted on the 23rd of May 2021, which consisted of five challenges to assess the participants ability to solve complex problems and improve their critical thinking. The second session was conducted on the 13th of June 2021, the third session on the 26th of June 2021 and the fourth and fifth sessions were conducted on the 1st of August 2021 and 15th of August 2021 respectively. Each session had an attendance of over 20 participants.



### UI/UX Designing Workshop and Hackathon



A 2-day workshop on UI/UX designing was organized by RSET IEEE Computer Society on 28th May 2021 and 29th May 2021 from 6:00PM - 8:00PM with around 30 participants. The workshop was handled by Mr Rohil Nair, CET 2017-21. On the first day of the workshop, he discussed the theory of UI/UX designing and the things to keep in mind while designing a user interface. On the second day, he taught the participants how to use the platform Adobe XD for UI/UX design. The participants were able to gain a basic understanding of UI/UX designing after the workshop.

A UI/UX Designing hackathon was organized after the UI/UX designing workshop by RSET IEEE Computer Society from 30th May 2021 to 31st May 2021 with 6 participants. The participants were asked to design a user interface for a mobile application on a socially relevant topic. The deadline for the hackathon submission was 11:59 pm on 31st May 2021. 5 of the workshop participants submitted a User Interface design and the top 3 participants were awarded cash prizes worth 2k.

### Induction for Computer Society Members

The RSET IEEE Computer Society organized an induction program for the new Computer Society members on 1st June 2021 from 9:00pm to 10:30 pm. The induction programme was attended by both new and existing members. A total of 20 participants were present in the meeting. The newly appointed members were encouraged to actively participate in the Society's activities and the senior members offered to provide assistance to all those who needed it. The session was an interactive and successful one.

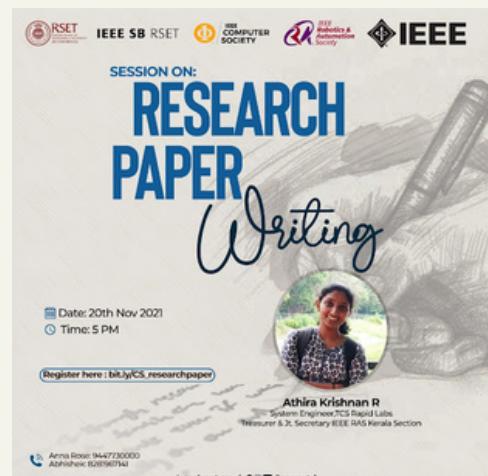
# Webinar on Introduction to Edge Technology



The RSET IEEE Computer Society conducted a webinar on Introduction to Edge Technology on 26th June. The speaker Dr Deepak Gangadharan, Assistant Professor, Systems Group, IIIT Hyderabad shared various ideas and thoughts to introduce the participants to the latest developments in the field of Technology such as Edge Computing. Over 30 students participated in the webinar that concluded with a short Q&A session.

# Webinar on Research Paper Writing

The webinar was conducted on 20th November 2021 in collaboration with RSET IEEE RAS SBC. The speaker for the session was Ms. Athira Krishnan R, System Engineer at TCS Rapid Labs. There were 53 students who attended this session.



# A Session of Basics of Programming

IEEE RSET CS SBC in collaboration with IEEE SJCET CS SBC and IEEEExtreme 14.0 Kerala Student Team organized a session on Basics of programming under the banner of #HackTheXtreme. The session was held from 24-26th August 2021, between 4pm and 6pm. The speaker for the session was Irin Sunny Thekkakara, Vice-Chair of IEEE RSET IAS SBC. The session was open to all IEEE members in Kerala Section and over 70+ students took part in these sessions actively.

## Introduction to Git and Github

RSET IEEE Computer Society organized a webinar on Introduction to Git and Github on 27th August 2021 from 5:00pm through Google Meet platform. The event was attended by over 30 students. The speaker for the session was Ms. Anika Tiberwala, Microsoft Learn Student Ambassador. She gave an overview of github and basic git commands. It was a hands-on learning experience. The session was very informative and educational.



## Xtreme 101

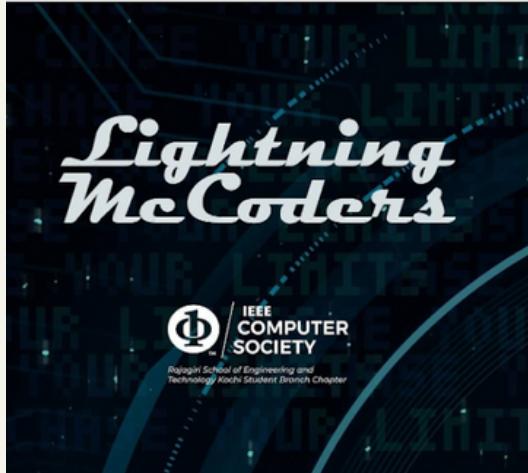
RSET IEEE Computer Society organized an interactive session on Xtreme named Xtreme 101 on 10th September 2021 from 5:00 pm on the Google Meet platform. The speaker for the session was Mr Manu Krishnan N S, Ambassador Xtreme 15.0. He talked about Xtreme and its benefits. He also shared his experience of participating in Xtreme 14.0 and gave tips to help the students prepare for Xtreme. The session was very informative and useful for the participants. Over 20 students joined the session.

## Redzyn

RSET IEEE Computer Society as part of IEEE DAY 2021 organized a unique UI/UX design competition, REDZYN in the month of September 2021. The participants were challenged to redesign an existing application by enhancing its user interface, and user experience by suggesting ways to improve its design and aesthetics. The Participants submitted an impressive presentation of the different improvisations and changes made in the application along with the UI design of the application created using Adobe XD/ or Figma/ or any other appropriate prototyping software. The prestigious competition was judged by Mr. Rohith Joseph Mathew, Product Support Analyst at Refyne India. The top 3 finalists were awarded cash prizes of Rs 3000.



## Lightning McCoders



RSET IEEE Computer Society in connection with IEEE RSET SB's flagship event SkilleX organized a coding competition consisting of 3 rounds. The first round was an online coding competition on 8th December 2021 hosted on the HackerRank Platform. Round 2 was a one of a kind coding competition where two teams faced off against each other at a time and the first team to solve the problem was awarded points. The final round consists of 3 sub-rounds. The team that scored the highest score in the final round was declared the winner. The top 3 teams were awarded with cash prizes.

## Computer Society interest Group

The Computer Interest Group consists of 20+ members and is headed by a team of 5 members. A Group Discussion was conducted on 24 June, 2021 on the topic Women in Engineering in regard to the International Women in Engineering Day. All the participants participated actively and voiced their views on the topic. The event was a huge success.







## MESSAGE FROM CHAPTER ADVISOR



As we all know the past 2 years were really challenging but it also witnessed a major shift in many areas like technology, education, entertainment, healthcare etc.

Innovations occurred in almost all areas and we also slowly adapted to the changes gradually. The Student Branch at RSET also achieved phenomenal growth during this period.

We were not just able to overcome the difficulties to a great extent but was also able to produce excellent outcomes.

Let us try to raise the benchmark further by designing and implementing programs that are not just technologically proficient, but also socially relevant.

A handwritten signature in black ink, appearing to read "Nitheesh Kurian".

**Mr. Nitheesh Kurian**



# **EXECOM 2022**

## **IEEE INDUSTRIAL APPLICATION SOCIETY**



**CHAPTER ADVISOR**

**Nitheesh Kurian**



**CHAIR**

**Aparna G Shenoy**



**VICE CHAIR**

**Ashish V Issac**



**SECRETARY**

**A M Muhammed  
Shahabaz**



**TREASURER**

**Amal John Varghese**



**ELECTRONICS INTEREST**

**GROUP**

**Alvin P Moyalan**

# Build-It

An online event BUILT IT was conducted by RSET IEEE IAS SBC, exclusively for the first year students to introduce, nurture and grow professional skills required in various fields. It was a 4 day event from 3rd February 2021, 6-7 PM attended by a total of 183 participants through Cisco WebEx.

DAY 1 : Inauguration by Dr. Bijuna Kunju (Chair IEEE IA/IE/PELS Jt. Chapter Kerala).

DAY 2: Ideation to Pitching by Mr. Daniel Jeevan. Introduction to electronics and microcontrollers by Mr. Hisham Sherief and Ms. Nivetha K M.

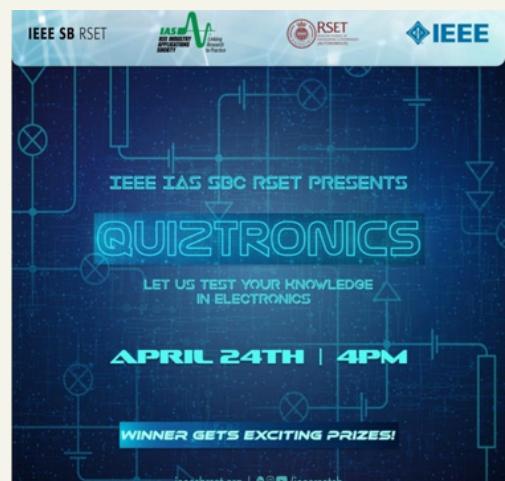
DAY 3: Introduction to Tinkercad by Mr. Nitheesh Kurian. DAY 4: Introduction to FUSION 360 by Mr. Salman Faris.



Towards the end of the event the participants were divided into groups of 3 to take part in an Ideation Competitions. Through the skills inculcated in the 4 days they could choose an industry and express their innovations and developments. The top 10 ideas were announced during the closing ceremony

# Quiztronics

On April 24th 2021, QUIZTRONICS, a technical quiz was organized by the Industry Applications Society of the RSET IEEE SB. A total of 85+ students from various departments took up the challenge and attended the quiz. It consisted of two rounds. Both rounds were organized on online platforms and proctored for the competition's integrity. The questions were based on Basic Science and in-depth Electronics questions that required some understanding of the subject. Overall, it was a fun event that helped participants improve their knowledge in Electronics.



## Circuit Debugging Competition



An online technical quiz cum circuit debugging competition was conducted by Industry Applications Society Student Branch Chapter, RSET. Students from different departments of the college took part in the event. In round 1, a quiz was conducted with a Google Form that consisted of a timer. Nearly 20 questions related to Embedded System, General Technology were given. Points were given on accuracy and time taken .Selected students from the first round were allowed to take part in the next round which was conducted the following day. The Second round consisted of circuit debugging questions which were to be answered in detail by the finalists.

## Challenges and opportunities in Emerging Technologies

An online webinar was conducted by Industry Applications Society SB Chapter,RSET on Webex platform. The session was handled by Mr.Abbishek Gupta, CEO,Hex N Bit Edtech Pvt.Ltd. The webinar was held on 10 june 2021 from 5.30 to 6.30PM. Nearly 100 students attended the event. The objective of the webinar was to highlight the new possibilities of employment through skill upgradation and to briefly cover the details about the latest trends of the industry and its impacts in all fields like medical industry, education field etc. On the completion of the webinar the participants were able to know the importance of skill upgradation in this post pandemic era.



## Arduino Quiz

The IEEE IAS SBC, RSET hosted a technical quiz based on ARDUINO on March 27, 2021 at 5 p.m. This event was co-sponsored by The Electronics Interest Group. It aimed at enhancing the fundamentals of ARDUINO and ARDUINO Programming. Overall, participants learned a lot about electronics.

## Enlighten-Talk Session



IEEE IAS SBC, RSET hosted a discussion session on the 23rd of May 2021 from 5.00 to 6.00pm via an online platform. Mr.Jeffrin Jose, Software Engineer from RSET, Kochi, led the discussion. The purpose of this webinar is to impart knowledge on earning the Github Helicopter badge.

## Clueminati

An online treasure hunt CLUEMINATI was conducted by Industry Applications Society Student Branch Chapter ,RSET as a part of IEEE Day Celebrations 2021.The event was conducted on 24th September 2021 from 6pm to 8 pm. It was conducted in such a way that the students can analyze their technical knowledge, analytical and problem solving skills. First round focused on the basic fundamental engineering concepts while the second round focused on the debugging and designing skills of the students. The third round focused on the analytical and logical skill set of the students while the final round consisted of cryptography questions.



## Avalanche

IEEE RSET SB IAS conducted an event called Avalanche on October 14th 2021. It consists of 2 rounds. In the First-round all the groups were asked to upload their abstract and problem statement as a 2 minutes pre recorded presentation. In the second round, the selected groups had to present their whole idea before the panelist Dr Elizabeth Rita Samuel. Relevance of the idea and impact on the society was the criteria for judging. The event had a prize pool of Rs 1500 and a total of 7 groups had participated in this event.

## How we made it Session

RSET IEEE IAS SBC conducted an experience-sharing talk session series called "How we made it". The first sharing session was taken by Nihal from S3 EEE on 22nd October 2021. The speaker spoke about various projects and various skills required for hackathons and on how to promote them in a very controlled manner. On 17th November 2020, Kalyani K Nair (S7 AEI) and Shaheer Lal (S7 AEI) took up the second sharing session. As the finalist of KSUM IdeaFest 2019, they shared their journey in the creation of their project KaamPe.



## Electronics Interest Group

The Electronics Interest Group has 44 members and is led by a core team of 5 people. The participants are divided into eight teams. On March 27, 2021, as part of Arduino Day 2021, a quiz targeted at improving the foundations of Arduino and Arduino programming was held. On April 30th, 2021, a self-learning course regarding Arduino applications was assigned to study. From the 26th to the 29th of April 2021, an ice-breaking session was held with each team to provide an overview of EIG activities. Quizzes were conducted on alternating weeks to reinforce the foundation in electronics. Other weeks, responsibilities were assigned to simulate or develop projects based on a given problem statement.







## MESSAGE FROM CHAPTER ADVISOR



"We must have perseverance and above all confidence in ourselves. We must believe that we are gifted for something and this thing must be attained."

-Marie Curie

Women in Engineering affinity group provides the access to diverse and accomplished women role models in STEM to learn from their experiences and discover their own path to empowerment.

Being a part of women in engineering helps in promoting women engineers and scientists, and inspiring girls around the world to follow their academic interests in a career in engineering.

I take this opportunity to appreciate the efforts of the current and past execom members. Lets continue to inspire every women to achieve their dreams.

A handwritten signature in blue ink, appearing to read "Elizabeth Rita Samuel".

**Dr. Elizabeth Rita Samuel**



# **EXECOM 2022**

## **IEEE WOMEN IN ENGINEERING AFFINITY GROUP**



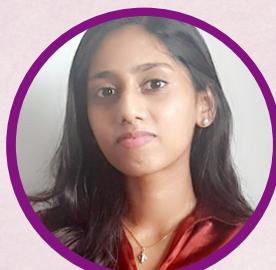
**CHAPTER ADVISOR**

**Dr. Elizabeth Rita Samuel**



**CHAIR**

**Namitha Menon**



**VICE CHAIR**

**Meenakshy Bijoy**



**SECRETARY**

**Haritha Koorkkaparambil  
Rajeev**

### BERSERK

The BERSERK was a 2 day event organized by RSET IEEE WiE on 19th and 20th of February 2021. Round 1 was an online Treasure Hunt conducted on 19th February 2021 from 2:00pm to 6:00pm. The questions were released to the students as password protected PDFs, where each password unlocked the PDF, hence unfolding the next question. Top 15 participants were selected for the next round. The Round 2 of BERSERK was a Fun Jam conducted on 20th of February 2021 at 4:00pm. Each participant was given a tech related topic on the spot and had to speak about it for a minute. The Jam consisted of 2 rounds, the topic for the first round was 'Everyday Gadgets'. For the second round, the top 5 from the first round were selected.



### Membership Drive

On May 2, 2021, at 4 p.m., the WiE Membership Drive was held for new members who showed an interest in WiE. Rohith Mathew Joseph, Chairman-2020, Hisham Sherief, Vice Chairman-2020, Suveta Yadav, WiE Chair-2020, and Greeshma Stani, Treasurer-2020 were among the speakers for the day. They provided information on IEEE and WiE as well as personal



stories that were both inspiring and encouraging. Ben Baiju, Treasurer-2021, then explained how to join the WiE on the official IEEE website. At 5:00 p.m., the meeting came to a close.

### Face It: Workshop on Creating Face Filters

Face IT was a workshop held on the 3rd of May 2021 by WiE AGs of RSET, CEK Kallooppara, and GECW as part of WiE week celebrations. Vinay Mathew Varghese, the workshop's resource person, led a one-hour hands-on session on face filters using SparkAR studio.

## WOMEN IN ENGINEERING SOCIETY GENERAL ACTIVITIES



There were 390 students in attendance, and by the end of the session, all of the participants had successfully created their own filters. Participants were requested to make a video using a face filter they made with Spark AR studio as part of a competition. The competition had an 8:00 p.m. deadline on May 4th, 2021. Alan Varghese Paul (SCMS), Thomas J Kandathil (RSET), and Devarenjini P (LBS Institute of Technology for Women) were the competition winners.

## Triskelion

Triskelion was the Best Manager Competition organized by RSET IEEE WiE AG, GECW IEEE WiE AG, and CEK IEEE WiE AG as part of the WiE week celebrations. The competition included three rounds and 45 contestants. The first round was held on May 4th, 2021, using Google Forms. The participants were quizzed on their creativity and logical reasoning skills. From round one, 16 people were chosen to advance to the next round.

The second round, Sell Me A Pen, was held on May 6, 2021. The contestants were given a product to sell and had to persuade the judges to buy it. Rohith Joseph Mathew, Hisham Sherief, and Jacob Mathew served as judges for this round. For the final round, eight contestants were chosen.

The final round began at 3 p.m. on May 9th, 2021. The judges asked the participants questions based on their round 1 replies in a stress interview. Vinay Menon of RSET, Shabeer KP of GECW, and Nithin John of CEK were the judges for this round. Azmina Iqbal (RSET), Diona Joseph (AJCET), and Amruta Anandan (RSET) were the competition winners.



## Club Connoisseur

Club Connoisseur is an idea pitching competition conducted as a part of WiE week in collaboration with IEEE SB GECW and IEEE SB CE, Kallooppara. This event aimed to discover unique and innovative clubs that can be organized in colleges. This was a 2 round competition and a reward of ₹2000 was declared to the winner. The first round consists of idea pitching followed by the PPT presentation as the second .

## WOMEN IN ENGINEERING SOCIETY GENERAL ACTIVITIES

The judges for the second round were Rohit Joseph Mathew, Nivetha K.M and Shimi Mariam George. Fahad K C, Arjun S and Malavika T from the Government College of Engineering, Wayanad received first prize. The second prize was awarded to Maria Rojo Jose, Irene Mariam Sajan and Megha Elisa George from RSET. Sruthy S Nair And Anna Lekshmi S from LBS Institute of Technology for Women received third prize

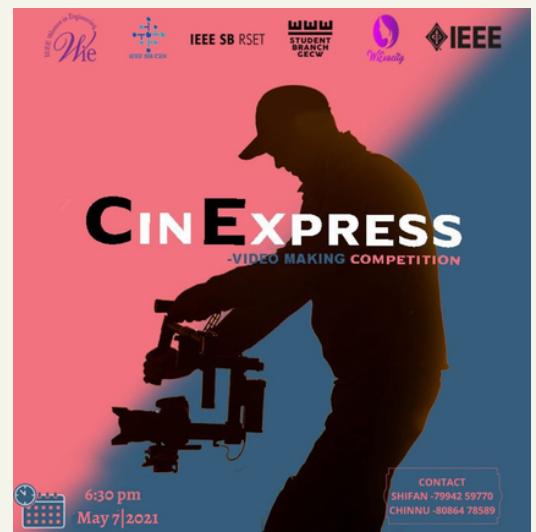


## Penning Secrets

The event took place as a part of WiE Week 2021 celebration in collaboration with WiE AGs of GECW, RSET and CEK SBs. Penning Secrets was a diary entry competition that aimed to bring out the creativity and imagination of students. Participants were to write a diary entry from the perspective of a famous woman personality (real/fictional) of their choice. A total of 75 students participated and Annu Abraham from RSET, Adithya Hari from SCMS and David Grace from GEC palakkad were declared as the winners. The entries were judged by Reneeta Ann Robert from CEK, Anu R Sudheesh from GECW, Vinay Menon and Parvathy N K from RSET.

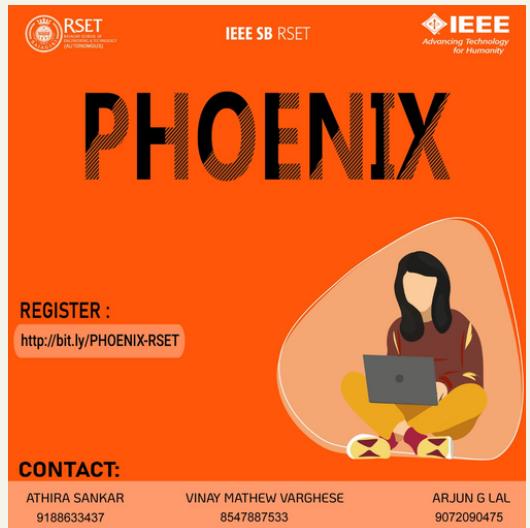
## CinExpress

IEEE WiE AGs of RSET, GECW and CE Kallooppara conducted a short video festival, CinExpress, as part of WiE celebrations. About 30 participants, both individual and group, took part in CinExpress. The participants were asked to submit videos based on one of the themes among gender stereotypes, role of women in pandemic and role of youth in pandemic. The entries were judged by Mr Nitheesh Kurian, Assistant Professor at RSET and Mr Anas M.M., Assistant Professor at GEC Wayanad. The videos were judged based on the performance, story and message conveyed through the video. Naveen James Tomy & Team from College of Engineering, Kallooppara was declared as the winners with a cash prize of Rs.1000, followed by Antony Giegy & Team from RSET as runner up with a cash prize of Rs.500. Certificates of participation were issued to all participants. Feedbacks were collected through google forms.



# Phoenix 2.0

Phoenix was an event hosted under IEEE RSET SB for School Students. It was a set of mentoring sessions in various fields of technology that included C++, python, JavaScript, web development, app development and tinkercad for school students free of cost. The mentors of the program were student members of our very own SB. The initiative was taken up so that any child with a thirst for knowledge could learn a technical skill of their choice and would not have to worry about the cost. The sessions were conducted from a period of June 2021 till August 2021. Later on, competitions were conducted so that the mentees got a platform to showcase their newly learned skill. There were a total of 80 mentees and 7 mentors.



# Double Trouble

The event Double Trouble was conducted by IEEE RSET WIE AG on 21st, 23rd and 26th September 2021 as a part of IEEE day. It consisted of three rounds with 46 participants. First round was a quiz based on the topics of STEM and IEEE. Top 15 teams were selected for the second round. The 2nd round focused on coordination, understanding and brainstorming capabilities of the teams. The round was judged by Ms. Suveta Yadav, Chair of WiE AG RSET SB(2020). Seven teams qualified for the final round which was a web hunt with a twist, where participating teams encountered fun tasks while hunting for answers. The event was truly a great success.

# Astra 2.0: Competitive Coding Session and Competition

The first session of ASTRA 2.0 was a session on competitive coding conducted by WiE AG in collaboration with CS RSET SB. The competition was held on 27th and 30th JULY 2021. The major goal of the session was to take steps toward competitive coding and to improve one's coding skills. For the competition, 43 submissions were received. The winners of the competition are Arjun G Lal, RSET and Jayaleskhami KS, TKM CE.



# VoiceIt



VoiceIt was an event conducted as a part of "SkillEx" event by WiE AG IEEE RSET SB on the 15th and 16th December 2021. The session was assisted by Mr Nitheesh Kurian, Assistant Professor, Dept. of ECE, RSET. The session focused on the art of effective communication and impromptu speech. An extempore competition was conducted in which the participants had to speak for two minutes on a topic given on the spot with a minute to prepare. A total of 67 students participated in the competition. Ms Sangeetha Regi Mathew, Assistant Professor, Dept. of BSH, RSET, judged the performances and Mishal N was announced the winner of the competition. Raphael Tony and Neha T secured the 2nd and 3rd positions respectively.

# MAJOR ACHIEVEMENTS





**IEEE PES Kerala Chapter outstanding student branch chapter award(silver plaque)**

**Orion 2.0 - First Runners Up(Large Student Branch Category) - 2nd Position**

**Darrel Chong Award for ASTRA**

**HPSBC 10th Rank(Region 10)**

# MAJOR INDIVIDUAL ACHIEVEMENTS



**IEEE RAS Kerala Chapter -Technical Coordinator**  
**Adithya S M**



**Richard E. Merwin Scholar ; Kochi Hub Coordinator**  
**Ann Rose Cherian**



**HSR Kochi Hub PIE Kerala Section**  
**Edwin Thomas**



**IEEE Edsoc Kerala Chapter - Video Team**  
**Abhishek K B**



**RFID Kerala Section - Content Lead**  
**Bridjet Mary Vincent**



**IEEE Computer Society - Content Lead**  
**Alia Shiraz**



**SPS Kerala Chapter - EC Coordinator**  
**Rahul Raj**



**IEEE WiE Kochi Hub - Design Team Member**  
**Jemy Varughese**



**IEEE Link - Content Writer**  
**Sneha Sara John**



**IEEE Link Kochi Hub - Student Representative**  
**Namitha Santhosh**



**IEEE Computer Society Kerala Section - Technical Coordinator**  
**Manukrishnan N S**



**IEEE CS Kerala Section Best Student Volunteer Award**  
**Rohith Joseph Mathew**



**IKS Interns 2022 -**  
**Arathy S and Santhra Philip**



**Student Activities Committee Kochi Hub - Vice Chair**  
**Ms. Elizabeth Rita Samuel**



**Outstanding Chapter Advisor Award**  
**Ms. Prathibha P K**



**CS Kerala Society - Treasurer**  
**Ms. Anu Maria Joykutty**



**Kochi Subsection - ISA, ECC and PA Member**  
**Mr. Nitheesh Kurian**



**IEEE Kerala section -  
Outstanding Student  
volunteer**  
**Arjun Sunil Kumar**



**IEEE Professional Activities  
Kerala Section - Design  
Volunteer**  
**Shifan Sherif Parammel**



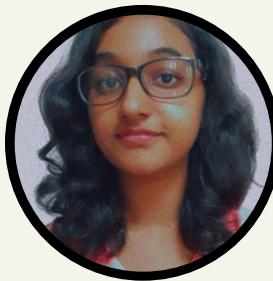
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