

## IEEE STUDENT BRANCH

### Government Engineering College – Barton Hill, Thiruvananthapuram

# SUMMARY OF ACTIVITIES CONDUCTED IN 2021

*This report includes all Student Branch activities from February 1, 2021 – January 25, 2022*

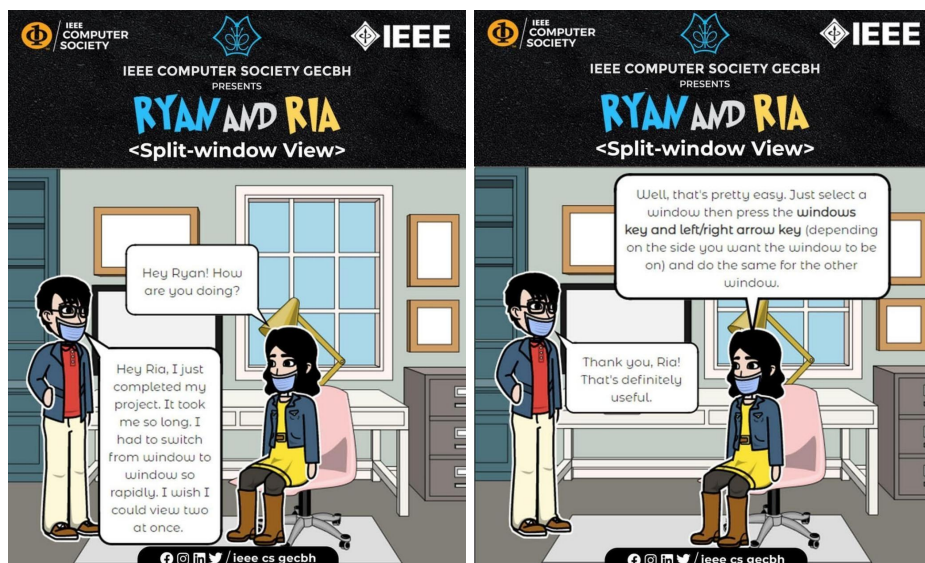
1. **Workshop:** Working with Photoshop - Two day workshop on the basics of Adobe Photoshop handled by Prahlad Vivek (Chair, IEEE RAS SBC GECBH) • **Date:** 6 February 2021 • **Participants:** 81  
**OU(s):** IEEE CS SBC GECBH



2. **Webinar:** Unlock The Next Level - A session on Future And Scope in RF and Microwave Field • **Speaker:** Mr. Arijit Mitra, Scientist at VSSC and Secretary of IEEE APS Kerala Section • **Date:** 9 February 2021 • **Participants:** 72  
**OU(s):** IEEE APS SBC GECBH, IEEE MTT-S SBC GECBH
3. **Initiative:** Ryan & Ria - A weekly comic series that provides useful computer hacks, tips and tricks in a fun format using comic characters that is easy to understand • **Date:** 13 February 2021 • **Participants:** N/A  
**OU(s):** IEEE CS SBC GECBH

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4. **ExCom Training:** IEEE LINK's SB ExCom Training - A training session for all IEEE ExCom members of GEC Barton Hill SB regarding their roles as a team player • **Speakers:** Mr. Shankar J (Chair, Student Activities Committee, IEEE Kerala Section) • **Date:** 17 February 2021 • **Participants:** 45  
**OU(s):** IEEE SB GECBH
5. **Initiative:** Knowbots - Articles from IEEE Spectrum, which are related to Robotics and Automation, in easily digestible form • **Date:** 17 February 2021 • **Participants:** N/A  
**OU(s):** IEEE RAS SBC GECBH



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6. **Contest:** Orporium - Truth or Myth competition related to RF and Microwave domains conducted as part of National Science Week 2021 • **Date:** 23 February 2021 • **Participants:** 89  
**OU(s):** IEEE APS SBC GECBH, IEEE MTT-S SBC GECBH
7. **Webinar:** A Session on Avionics Systems in Modern Civil Aircraft conducted as part of National Science Week 2021 • **Speaker:** Mr. Arijit Mitra, Scientist at VSSC and Secretary of IEEE APS Kerala Section • **Date:** 24 February 2021 • **Participants:** 278  
**OU(s):** IEEE APS SBC GECBH, IEEE MTT-S SBC GECBH
8. **Contest:** Piczzle - A Picture-based Quiz Competition reviving the Wonder Women in Science conducted as part of National Science Week 2021 • **Date:** 25 February 2021 • **Participants:** 74  
**OU(s):** IEEE WIE AG GECBH
9. **Webinar:** Space For All - A session on The Story of India's Journey to Mars conducted as part of National Science Week 2021 • **Speaker:** Prof. K.N. Ninan ,PhD, Former Outstanding Scientist & Dy. Director, VSSC, Emeritus Professor, Indian Institute of Space Science & Technology • **Date:** 26 February 2021 • **Participants:** 79  
**OU(s):** IEEE RAS SBC GECBH
10. **Contest:** Explorer - A word hunt competition on the theme of science and technology conducted as part of National Science Week 2021 • **Date:** 27 February 2021 • **Participants:** 73  
**OU(s):** IEEE CS SBC GECBH



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Government Engineering College  
Barton Hill, Trivandrum

IEEE COMPUTER SOCIETY

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11. **Contest:** Virtuoso - A Quiz Competition throwing light on the science disguised in our day to day lives conducted as part of National Science Week 2021 • **Date:** 28 February 2021 • **Participants:** 61  
**OU(s):** IEEE SB GECBH
12. **Initiative:** Infobytes- A weekly series that provides information about some latest technology through a short video by including animations and an audio description • **Date:** 1 March 2021 • **Participants:** N/A  
**OU(s):** IEEE CS SBC GECBH
13. **Contest:** Inkitt- An essay-writing competition conducted as part of **International Women's Day'21** based on some unnoticed brilliant efforts and accomplishments by women in history • **Date:** 10 March 2021 • **Participants:** 4  
**OU(s):** IEEE WIE AG GECBH
14. **Contest:** Cognitionis- A year-long trivia based quiz series aimed at engaging the students throughout the year conducted by each of the 4 SBCs and the AG alternately, based on their respective domains.



15. **Contest:** Cognitionis#1- A quiz based on the theme Robotics • **Date:** 16 March 2021 • **Participants:** 57  
**OU(s):** IEEE RAS SBC GECBH
16. **Contest:** Cognitionis#2- A quiz based on the theme RF and Microwave • **Date:** 30 March 2021 • **Participants:** 48  
**OU(s):** IEEE APS SBC GECBH, IEEE MTTS SBC GECBH
17. **Webinar:** Imperium: An Introduction to PES and PES Day 2021 - A session to introduce our members to PES, PES Day, and their significance. • **Speaker:** Mr.Suhair A K, Chairman, IEEE PES Kerala Chapter • **Date:** 6 April 2021 • **Participants:** 50

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**OU(s):** IEEE SB GECBH

18. **Contest:** Cognitionis#3- A quiz based on the theme Computer Science • **Date:** 11 April 2021 • **Participants:** 72

**OU(s):** IEEE CS SBC GECBH

19. **Webinar:** Power efficiency of Electric Vehicles- The Challenges in India - Talk session on the possibilities and scope of electric vehicles in India • **Speaker:** Dr. Bhaskara Rao Ravada, Research Associate, IIT Roorkee • **Date:** 16 April 2021 • **Participants:** 45

**OU(s):** IEEE SB GECBH

20. **Contest:** Thinkative - Thinkative was conducted in collaboration with IEEE SIGHT Kerala Section and IEEE LINK Kerala Section, which tested the problem solving skills of the participants • **Date:** 16 April 2021 • **Participants:** 23

**OU(s):** IEEE SB GECBH



21. **Webinar:** Wireless Power Transfer for Electric Vehicles and Power Grid- The session covered the applications of Wireless Power Transfer (WPT) technology, components of a WPT system, WPT modes and its future scope • **Speaker:** Mr. Nil Patel, Doctoral Candidate(Ph.D), Gina Cody School, Concordia University, Canada • **Date:** 24 April 2021 • **Participants:** 47

**OU(s):** IEEE SB GECBH

22. **Contest:** Cognitionis#4 - A quiz based on the theme Women and Tech • **Date:** 24 April 2021 • **Participants:** 28

**OU(s):** IEEE WIE AG GECBH

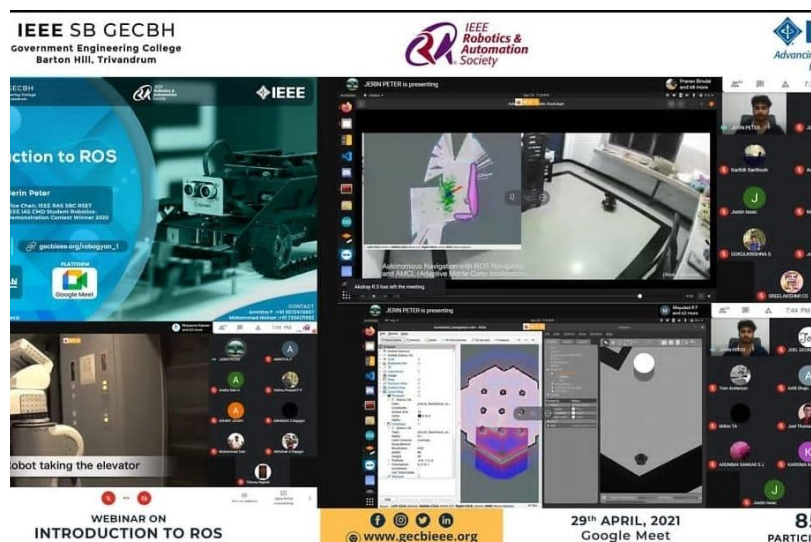
23. **Contest:** Clutter- A crossword puzzle competition on the topic RF and Microwave via Google Forms • **Date:** 26 April 2021 • **Participants:** 170

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**OU(s):** IEEE APS SBC GECBH, IEEE MTT-S SBC GECBH

24. **Webinar:** Introduction to ROS: Robogyan - It aimed at introducing ROS and covered the basics of the topic. • **Speaker:** Jerin Peter, Vice Chair of IEEE RAS SBC RSET, IEEE IAS CMD Student Robotics Demonstration Contest Winner 2020 • **Date:** 29 April 2021 • **Participants:** 85  
**OU(s):** IEEE RAS SBC GECBH



25. **DLP:** DML - Terahertz Communications At 300 Ghz: Devices, Packages And System • **Speaker:** Dr. Ho-Jin Song, Associate Professor, Department of Electrical Engineering, POSTECH, Korea, IEEE DML • **Date:** 30 April 2021 • **Participants:** 286  
**OU(s):** IEEE APS SBC GECBH, IEEE MTT-S SBC GECBH
26. **Contest:** Egzempler - a video contest as part of WiE Week Celebration 2021 • **Date:** 1 May 2021 • **Participants:** 4  
**OU(s):** IEEE WiE AG GECBH
27. **Contest:** Let's Huddle - A group discussion based on Women and Technology as part of WiE Week Celebration 2021 • **Date:** 3 May 2021 • **Participants:** 17  
**OU(s):** IEEE WiE AG GECBH
28. **Webinar:** A session on Opportunities For First Year B-Tech Students • **Speakers:** Mr. Gokul C M ( Founder and CEO, GADS LLP and Vice Chairman, IEEE SB GECBH), Mr. Shaino Sajimon (Founder and CTO, GADS LLP, Vice Chairman, CSI GECBH, Dept. Rep, ISTE GECBH), Mr. Devanand A (Founder and COO GADS LLP, Project Head, ISTE GECBH) • **Date:** 5 May 2021 • **Participants:** 100  
**OU(s):** IEEE SB GECBH

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29. **Mentorship:** Meet And Greet #1 - a peer to peer discussion on The Era Of Wireless Information And Power Transfer (Basics of Wireless systems and antennas) • **Speaker:** Ms. Sivada M S, IEEE WiM subcommittee member and former Electronics and Communication Engineering Student • **Date:** 6 May 2021 • **Participants:** 27  
**OU(s):** IEEE APS SBC GECBH, IEEE MTT-S SBC GECBH



30. **Contest:** Cognitionis#5- A quiz based on the theme Antenna And Wireless Power Transfer  
 • **Date:** 9 May 2021 • **Participants:** 108  
**OU(s):** IEEE APS SBC GECBH, IEEE MTT-S SBC GECBH
31. **Contest:** Emporium - a two-minute talk on marketing as part of WiE Week Celebration 2021 • **Date:** 9 May 2021 • **Participants:** 10  
**OU(s):** IEEE WiE AG GECBH



32. **Initiative:** KeyNote - A monthly newsletter that contains articles related to technology from various IEEE magazines, articles written by the student members and also a puzzle

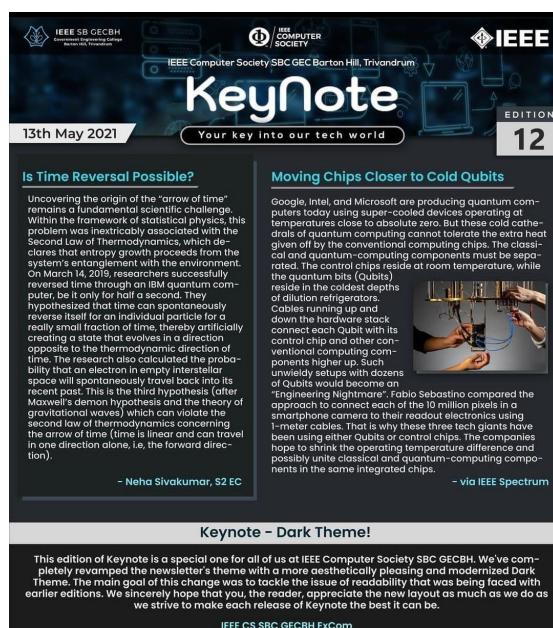
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section. It also updates the students about the past and upcoming events of our SBC •

**Date:** 10 May 2021 • **Participants:** N/A

**OU(s):** IEEE CS SBC GECBH



33. **Webinar:** Edge Computing: What, Why & How? - A session toward the world of a new and rapidly growing area of computing technology called Edge Computing • **Speaker:** Blesson Varghese (Ph.D in Computer Science; Founding Chairman, IEEE SB GECBH; Senior Lecturer, Queen's University, Belfast, N.Ireland) • **Date:** 14 May 2021 • **Participants:** 125  
**OU(s):** IEEE CS SB GECBH
34. **Webinar:** Excelsior - conducted as part of the event series Sephora: Breaking the Barriers, it was a webinar held by the members of Exclusive Community Partner WOW on Owning your Space in the Tech World • **Speakers:** Liz Merin George (Blockchain Developer), Mekha Anil (RPA Solutions Consultant ), Gaurav Nandu (Marketing Strategist) • **Date:** 17 May 2021 • **Participants:** 190  
**OU(s):** IEEE CS SBC GECBH
35. **Contest:** Decode - conducted as part of the event series Sephora: Breaking the Barriers, it was an Algorithm Creation competition that tested problem solving skills • **Date:** 18 May 2021 • **Participants:** 190  
**OU(s):** IEEE CS SBC GECBH
36. **Contest:** Huddle - A Group Discussion conducted as part of the event series Sephora: Breaking the Barriers to test technical knowledge • **Speakers:** Vivek M Jude (DevOps

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Engineer), Renu Hariharan (HR Executive), Abhilash Daniel (Assistant Professor)  
Gayathri Mohan (Market Research Analyst) • **Date:** 19 May 2021 • **Participants:**  
**OU(s):** IEEE CS SBC GECBH



37. **Contest:** Finesse - A Personal Branding contest conducted as part of the event series Sephora: Breaking the Barriers, that tested profiling skills. It took place in two parts, the first a Webinar on the importance of Resumes, Covering Letters and a strong LinkedIn profile. The second part was a Personal Branding Contest to find the best candidates with the above mentioned. • **Date:** 20 May 2021 • **Participants:** 190  
**OU(s):** IEEE CS SBC GECBH

38. **DLP:** L4 Series (Learn from leaders, Learn from

legends) Talk- A Session On Recent Developments In  
The Science Of Metamaterials And  
Navigating The  
Metamaterials Landscape • **Speaker:** Prof.  
Ashwin K  
Iyer, Ph.D, Professor of Electrical and  
Computer  
Engineering, University of Alberta,  
Edmonton, Canada  
and Track Editor, IEEE Transactions on  
Antennas and

Propagation • **Date:** 21 May 2021 •  
**Participants:** 282

**OU(s):** IEEE APS SBC GECBH, IEEE MTT-S SBC  
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39. **Contest:** Cognitionis#6 - A quiz based on the theme of Robotics. • **Date:** 22 May 2021 •  
**Participants:** 84  
**OU(s):** IEEE RAS SBC GECBH
40. **Contest:** Epitome - A Mock Interview session, conducted as part of the event series Sephora: Breaking the Barriers. • **Panelists:** Mridula Pillai (Software Engineer and esteemed alumnus of GECBH), Vishnu R.G. (Group Project Manager and esteemed alumnus of GECBH), Jeffin Alex George (SAP Consultant) • **Date:** 23 May 2021 •  
**Participants:** 190  
**OU(s):** IEEE CS SBC GECBH
41. **Contest:** Best Engineer - A talent hunt competition to find "the best engineer" among the participants spanning three rounds • **Date:** 26 May 2021 • **Participants:** 72  
**OU(s):** IEEE SB GECBH



42. **DLP:** L4 Series (Learn from leaders, Learn from legends) Talk - A Session On Recent Development of Advanced Antenna Products for Space & Ground Applications, L4, Papers/Patents and Reflections of my Career • **Speaker:** Dr. SUDHAKAR RAO, IEEE Life Fellow, Fellow IETE, Senior Technical Fellow, Northrop Grumman Space Systems, USA • **Date:** 28 May 2021 • **Participants:** 295  
**OU(s):** IEEE APS SBC GECBH, IEEE MTT-S SBC GECBH
43. **Contest:** Cognitionis#7- A quiz based on the theme Space and Satellite • **Date:** 12 June 2021 • **Participants:** 133  
**OU(s):** IEEE APS SBC GECBH, IEEE MTT-S SBC GECBH

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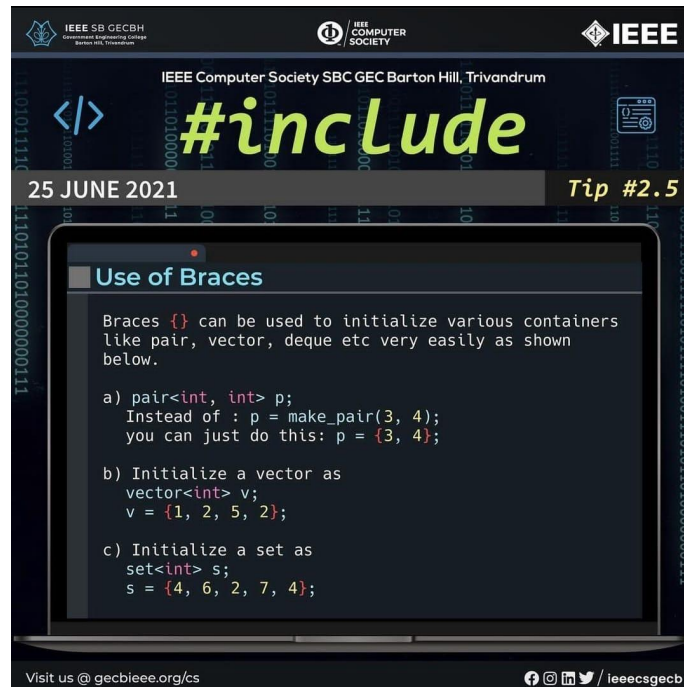
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44. **Contest:** Savoir Faire: The Big Picture - A doodling competition on the theme "Technology in 50 years" • **Date:** 21 June 2021 • **Participants:** 12  
**OU(s):** IEEE RAS SBC GECBH



45. **Discussion:** Rendezvous 1.0- A group discussion organized as a part of International Day Against Drug Abuse and Illicit Trafficking • **Date:** 22 June 2021 • **Participants:** 11  
**OU(s):** IEEE WiE AG GECBH
46. **Contest:** Savoir Faire: Wield Your Pen - An article writing competition • **Date:** 23 June 2021 • **Participants:** 15  
**OU(s):** IEEE RAS SBC GECBH
47. **Workshop:** Arena: Game Development Workshop- a two day workshop on Game Development handled by GADS LLP. The objective of the workshop was to be an eye opening session into the possibilities and scope of the growing industry of Game Development. • **Date:** 24 June • **Participants:** 96  
**OU(s):** IEEE CS SBC GECBH
48. **Contest:** Savoir Faire: Out of the Box - CAD modeling competition • **Date:** 25 June 2021 • **Participants:** 6  
**OU(s):** IEEE RAS SBC GECBH

49. **Initiative:** #include- A weekly series that provides hacks and shortcuts related to programming languages like C and C++ • **Date:** 25 June 2021 • **Participants:** N/A  
**OU(s):** IEEE CS SBC GECBH



50. **Contest:** Cognitionis#8- A quiz based on the theme Computer Science • **Date:** 26 June 2021 • **Participants:** 102  
**OU(s):** IEEE CS SBC GECBH



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51. **Webinar:** IEEE MTT-S Women in Microwaves

Virtual Colloquium - A 2-day series of talk sessions on Recent Trends, Techniques and Career Opportunities on Microwave & Millimeter-Wave Technologies, Antennas and Applications

**Speakers:** Kim Eilert (IEEE MTT-S WiM Coordinator), Dr. Zlatica Marinković (Associate

Professor, University of Niš, Serbia), Sadia Farjana (Chalmers University, Sweden), Dr. Sofia Rahiminejad (JPL NASA, USA), Dr. K S Beenamol (Scientist G, LRDE DRDO Bangalore India), Dr. Asimina Kiourti (Assistant Professor, Ohio State University) • **Date:** 17 July 2021 • **Participants:** 84  
**OU(s):** IEEE APS SBC GECBH, IEEE MTT-S SBC GECBH



52. **Contest:** CoVigilance - A Pan India Student Contest where the aim of the contest was to do cost-effective DIY projects using technical skills based on the Covid-19 relief theme. • **Date:** 30 July 2021 • **Participants:** N/A  
**OU(s):** IEEE APS SBC GECBH, IEEE MTT-S SBC GECBH

53. **DLP:** L4 Series (Learn from leaders, Learn from legends) Talk - On the Importance of Antenna Characterization for Practical Applications: A Tribute to Prof. Tapan Sarkar and his Multifaceted Contributions to the Field of Antennas and Propagation • **Speaker:** Prof. Mahta Moghaddam, Past IEEE AP-S President, 2020; Distinguished Professor, University of Southern California, Los Angeles, USA • **Date:** 4 August 2021 • **Participants:** 121  
**OU(s):** IEEE APS SBC GECBH, IEEE MTT-S SBC GECBH

54. **Contest:** Cognitionis#9- A quiz based on the theme Contributions of Indian Scientists • **Date:** 19 August 2021 • **Participants:** 108  
**OU(s):** IEEE SB GECBH

55. **Webinar:** Introduction To Cloud Computing With Microsoft Azure - conducted in collaboration with Microsoft Learn Student Ambassadors • **Speaker:** Mr. Goutham Rajesh, Alpha MLSA • **Date:** 29 August 2021 • **Participants:** 97  
**OU(s):** IEEE SB GECBH

56. **Webinar:** Microsoft Azure: Introduction To IoT Services- conducted in collaboration with Microsoft Learn Student Ambassadors • **Speaker:** Mr. Abhijith S S, Alpha MLSA • **Date:** 30 August 2021 • **Participants:** 103

**OU(s):** IEEE SB GECBH

57. **Initiative:** Inauguration of its Coding Club-Coders Hub- an initiative to revitalize the Coding Club and build upon what it set out to accomplish initially • **Date:** 6 May 2021 •

**Participants:** 44

**OU(s):** IEEE CS SBC GECBH

58. **Webinar:** Introduction To Microsoft Power Apps- conducted in collaboration with Microsoft Learn Student Ambassadors • **Speaker:** Mr. Gokul C M, Alpha MLSA • **Date:** 31 August 2021 • **Participants:** 115

**OU(s):** IEEE SB GECBH



59. **Webinar:** Introduction To Mixed Reality And Tool Kit Basics - conducted in collaboration with Microsoft Learn Student Ambassadors • **Speaker:** Ms. Sara Solomon, Alpha MLSA • **Date:** 1 September 2021 • **Participants:** 85

**OU(s):** IEEE SB GECBH

60. **Webinar:** Robogyan - Kick-Start Ros was a talk session on Introduction to ROS. • **Speaker:** Athira Krishnan R, System Engineer in AI at TCS Rapid labs, Worked as Software Engineer at Asimov Robotics Pvt Ltd., Treasurer and Joint secretary of IEEE RAS Kerala section • **Date:** 4 September 2021 • **Participants:** 66

**OU(s):** IEEE RAS SBC GECBH

61. **Webinar:** The World of Programming and the Coding Club • **Speaker:** Mr. Alwin C Sheejoy, Founding Member, Coder's Hub • **Date:** 8 September 2021 • **Participants:** 80

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62. **Contest:** Arcadium- Front end development and logo designing competition • **Date:** 10 September 2021 • **Participants:** 25  
**OU(s):** IEEE CS SBC GECBH



63. **Contest:** Disentangle - Putting to test your problem solving skills and creative thinking and finding a creative solution • **Date:** 11 September 2021 • **Participants:** 10  
**OU(s):** IEEE APS AND MTT-S SBCs GECBH
64. **Workshop:** Workshop On Flutter And Agora App Builder- The basics of flutter and how to develop an app using flutter was covered along with the Agora platform; handled by Gokul C M (Vice-Chair, IEEE SB GECBH; CEO, GADS LLP) • **Date:** 11 September 2021  
**Participants:** 53  
**OU(s):** IEEE SB GECBH

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65. **Contest:** Spiel-Boat- A competition that tests the marketing skills of the participation along with his creativity and spontaneity • **Date:** 13 September 2021 • **Participants:** 15  
**OU(s):** IEEE WIE AG GECBH



66. **Contest:** Best Engineer (Final Round) - The final round, the interview round where the technical and behavioral side of the candidate was tested. • **Date:** 14 September 2021 • **Participants:** N/A  
**OU(s):** IEEE SB GECBH
67. **Contest:** Matlympics- A two day competition to test your knowledge on MATLAB • **Date:** 14 September 2021 • **Participants:** 20  
**OU(s):** IEEE APS AND MTT-S SBCs GECBH
68. **Contest:** It's Debatable- A situation-based individual debate competition comprising two rounds, both being debate-based. • **Date:** 15 September 2021 • **Participants:** 25  
**OU(s):** IEEE SB GECBH

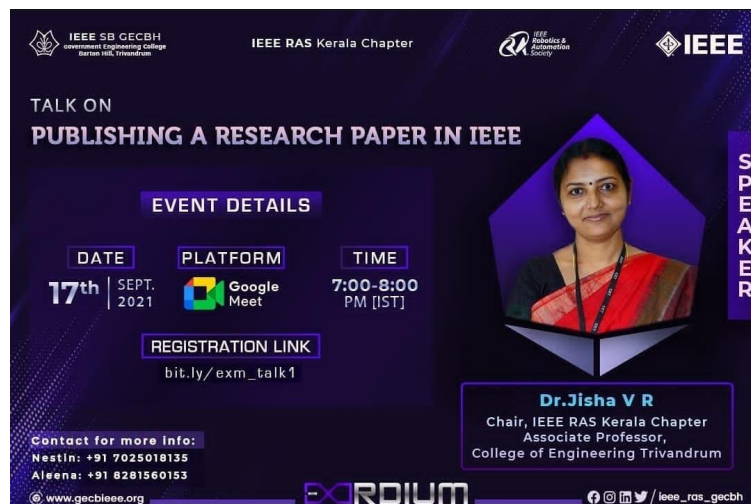


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69. **Contest:** Cognitionis #10- The 10th phase of the year-long quiz series Cognitionis. This was based on the theme “Into the world of Mobile Application”. • **Date:** 16 September 2021 • **Participants:** 108  
**OU(s):** IEEE SB GECBH
70. **Webinar:** Talk On Publishing A Research Paper In IEEE- Session on how to publish a research paper in IEEE, conducted in collaboration with IEEE RAS KERALA SECTION • **Speaker:** Dr. Jisha V R (Chair, IEEE Robotics and Automation Society, Kerala Chapter; Associate Professor, College of Engineering, Trivandrum) • **Date:** 17 September 2021 • **Participants:** 50  
**OU(s):** IEEE RAS SBC GECBH



71. **Workshop:** Workshop On Ansys Hfss | 3d High Frequency Simulator- Workshop on Ansys HFSS, a 3D electromagnetic simulation software for designing and simulating high-frequency electronic products. • **Date:** 18 September 2021 • **Participants:** 48  
**OU(s):** IEEE APS AND MTT-S SBCs GECBH
72. **Webinar:** YP Talk On AR And VR- A talk on Augmented Reality and Virtual Reality, held in collaboration with IEEE Young Professionals, Kerala Section • **Speaker:** Shyam Pradeep Alil (Co-founder and COO of Infusory Future Tech Labs Pvt Ltd.) • **Date:** 18 September 2021 • **Participants:** 30  
**OU(s):** IEEE CS SBC GECBH
73. **Webinar:** Talk On The Woman Entrepreneur- Can She Have It All? - a session on the opportunities of women entrepreneurs in today's world • **Speaker:** Ms. Sofia Mathew, Co-founder and Director of Watermark Event Solutions & Festoon Props and Rentals • **Date:** 19 September 2021 • **Participants:** 30  
**OU(s):** IEEE WIE AG GECBH

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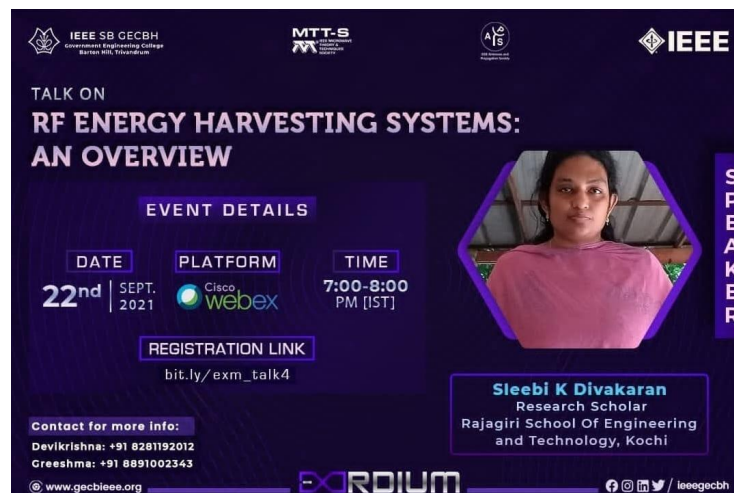
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74. **Contest:** Crusade - A technical treasure hunt to test the intellect and technical puzzle-solving skills • **Date:** 20 September 2021 • **Participants:** 68  
**OU(s):** IEEE RAS SBC GECBH



75. **Contest:** Cercetare - A team based, round-up analysis of various industries, conducted in two rounds. • **Date:** 21 September 2021 • **Participants:** 22  
**OU(s):** IEEE WIE AG GECBH

76. **Webinar:** Talk On RF Energy Harvesting Systems: An Overview - an interactive session on various RF energy harvesting systems • **Speaker:** Ms. Sreebi K Divakaran, Research Scholar Rajagiri School Of Engineering and Technology. • **Date:** 19 September 2021 • **Participants:** 30  
**OU(s):** IEEE APS SBC GECBH, IEEE MTT-S SBC GECBH



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77. **Contest:** Ordonnance - A Python debugging competition to test and sharpen coding skills • **Date:** 23 September 2021 • **Participants:** 34  
**OU(s):** IEEE CS SBC GECBH
78. **Contest:** Quizbuzz - Quiz competition held as part of World Rivers Day • **Date:** 24 September 2021 • **Participants:** 95  
**OU(s):** IEEE SB GECBH



79. **DLP:** L4 Series (Learn from leaders, Learn from legends) Talk - Surface Electromagnetics: Physics Exploration And Engineering Applications • **Speaker:** Prof. Fan Yang, Professor, Microwave and Antenna Institute Electronic Engineering Department, Tsinghua University, Beijing, China • **Date:** 25 September 2021 • **Participants:** 115  
**OU(s):** IEEE APS SBC GECBH, IEEE MTT-S SBC GECBH
80. **Workshop:** Workshop on UI/UX designing - A 2-day session that was handled by Mr. Shylesh S Unnithan (Student Representative, IEEE LINK 2020, Associate UX Engineer at KeyValue Software Systems) • **Date:** 25 September 2021 • **Participants:** 52  
**OU(s):** IEEE CS SBC GECBH
81. **Contest:** The Quest 2.0 - Robotics quiz based on robots.ieee.org conducted as the second edition to The Quest conducted in 2020 • **Date:** 25 September 2021 • **Participants:** 97  
**OU(s):** IEEE RAS SBC GECBH
82. **Workshop:** Workshop On Coppeliasim Robot Simulation Software - A two day workshop on CoppeliaSim, the robotics simulation software handled by Mr. Pritam Ohja (PhD Scholar, IIT Patna; M.Tech in Mechatronics, IEST Shibpur) • **Date:** 27 September 2021 • **Participants:** 50

**OU(s):** IEEE RAS SBC GECBH

83. **Webinar:** Talk On Professional Career Development - A talk session on how to advance one's professional career, held in association with Microsoft Learn Student Ambassadors

• **Speaker:** Ali Schumacher, Program Manager at Microsoft, currently in Next Generation Experiences Team • **Date:** 29 September 2021 • **Participants:** 28

**OU(s):** IEEE SB GECBH

84. **Event:** Cultural Night - Closing Ceremony of the Mega flagship Event Exordium. The highlight of the ceremony was the mind-blowing performance put up by AALMARAM, one of the industry's leading musical bands. • **Date:** 30 September 2021 • **Participants:** 98

**OU(s):** IEEE SB GECBH



**L4 SERIES TALK**  
Trends and Grand Challenges in Computational Electromagnetics for High-Resolution Functional Neuroimaging

**Prof. Francesco P. Andriulli**  
Ordinario di Campi Elettromagnetici, Politecnico di Torino, Turin, Italy  
Editor-in-Chief, IEEE Antennas and Propagation Magazine

**DATE:** 23<sup>rd</sup> October 2021  
**TIME:** 02:00 PM IST (03:30 AM GMT)  
(IST = GMT +05:30)

**Organized by:** IEEE MTT-S Section Chapter, IEEE APS & MTT-S SBC of GECBH

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**Platform:** [www.gecbh.org](https://www.gecbh.org)

**Prof. Francesco P. Andriulli**  
Prof. Francesco P. Andriulli received the Laurea in electrical engineering from the Politecnico di Torino, Italy, in 2000, the MSc in electrical engineering and computer science from the University of Illinois at Chicago in 2001, and the PhD in electrical engineering from the University of Michigan at Ann Arbor in 2003. From 2003 to 2007 he was a Research Associate with the Politecnico di Torino. From 2007 to 2017 he was an Associate Professor (2007-2014) and then Full Professor with the Ecole Nationale Supérieure Mines-Télécom ParisTech (Prof. Andriulli, previously ENST Bretonnet, Paris, France). Since 2017 he has been a Full Professor with the Politecnico di Torino, Turin, Italy. His research interests are in computational electromagnetics with focus on frequency and time-domain integral equation solvers, well-conditioned formulations, fast solvers, low-frequency electromagnetic analysis and modeling techniques for antennas, wireless components, microwave circuits, and biomedical applications with a special focus on brain imaging.

Prof. Andriulli was the recipient of the best student paper award at the 2007 URSI North American Radio Science Meeting. He received the first place prize of the student paper contest of the 2008 IEEE Antennas and Propagation Society International Symposium. He was the recipient of the 2009 IEEE AP-S Award for junior researchers and was awarded the URSI Young Investigator Award at the International Symposium on Electromagnetic Theory in 2010 and 2013 where he was also awarded the second prize in the best paper contest. He also received the 2015 IEEE AP-S Best Paper Award. In addition, he co-authored with his students and collaborators other three first prize conference papers (IEEE AP-S 2010, IEEE AP-S 2012, IEEE AP-S 2014), a second prize conference paper (IEEE AP-S 2014), a third prize conference paper (IEEE AP-S 2018), three honorable mentions (IEEE AP-S 2010, IEEE AP-S 2012, IEEE AP-S 2014), and three first prize conference papers (IEEE AP-S 2010, IEEE AP-S 2012, IEEE AP-S 2014). He received the 2015 IEEE AP-S Distinguished Young Investigator Award, the 2015 IEEE AP-S Teaching Award, the 2015 IEEE AP-S Best Paper Award, and the 2015 IEEE AP-S Best Paper Award for Excellence in Electrodynamics.

Prof. Andriulli is a member of Eta Kappa Nu, Tau Beta Pi, Phi Kappa Phi, and of the Italian national Union of Radio Science (URSI). He is the Editor in Chief of the IEEE Antennas and Propagation Magazine, he serves as a Track Editor for the IEEE Transactions on Antennas and Propagation, and as an Associate Editor for the IEEE Antennas and Propagation Letters, IEEE Access, URSI Radio Science Letters and IEEE MAP. He is the PI of the IEEE Cooperative Grant 2017 - Photon Colloid Thin Layer Composite in Computational Electromagnetics.

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**Platform:** [www.gecbh.org](https://www.gecbh.org)

85. **DLP:** L4 Series (Learn from leaders, Learn from legends) Talk- Trends and Grand Challenges in Computational Electromagnetics for High-Resolution Functional Neuroimaging • **Speaker:** Prof. Francesco P. Andriulli, Full Professor - Ordinario di Campi Elettromagnetici Politecnico di Torino, Turin, Italy, Editor-in-Chief of IEEE Antennas and Propagation Magazine • **Date:** 23 October 2021 • **Participants:** 64  
**OU(s):** IEEE APS SBC GECBH, IEEE MTT-S SBC GECBH

86. **Contest:** Cognitionis#11- A quiz based on the theme Computer Science • **Date:** 21 November 2021 • **Participants:** 104  
**OU(s):** IEEE CS SBC GECBH

87. **DLP:** L4 Series (Learn from leaders, Learn from legends) Talk- Distinguished Lecture on History and Future Of Implantable Antennas • **Speaker:** Dr Cynthia M Furse, Virtual-Only DL, Professor of Electrical and Computer Engineering, Past Associate Vice

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President for Research at the University of Utah • **Date:** 23 November 2021 •

**Participants:** 60

**OU(s):** IEEE APS SBC GECBH, IEEE MTT-S SBC GECBH

88. **Contest:** Cognitionis#12- A quiz based on the theme AI in Medical and Aerospace Industry • **Date:** 28 November 2021 • **Participants:** 99

**OU(s):** IEEE RAS SBC GECBH

89. **Workshop:** 2 Day Workshop on C programming - A workshop handled by Mr. Alwin C Sheejoy (Founding Member, Coder's Hub) on the basics of programming using C language • **Date:** 4 December 2021 • **Participants:** 26

**OU(s):** IEEE CS SBC GECBH

90. **Contest:** Cognitionis#13 - A quiz based on the theme Advanced Communication System and Wireless Communication. • **Date:** 4 December 2021 • **Participants:** 112

**OU(s):** IEEE APS SBC GECBH, IEEE MTT-S SBC GECBH



91. **Workshop:** Aperture - a 2-day online workshop on Adobe Photoshop handled by Prahlad Vivek (Chairman IEEE RAS SBC GECBH) and Ron Regi Zacharia (Vice-chair IEEE CS SBC GECBH) • **Date:** 11 December 2021 • **Participants:** 52

**OU(s):** IEEE SB GECBH

92. **Contest:** Cognitionis#14 - A quiz based on the theme National Energy Conservation Day • **Date:** 12 December 2021 • **Participants:** 107

**OU(s):** IEEE WIE AG GECBH

93. **Contest:** The Kick Off - an event with five tasks that were given to the participants over 5 days • **Date:** 19 December 2021 • **Participants:** 68

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94. **Webinar:** Application of Data Science in the Industry - An Introductory Session on the importance of Data Science. • **Speaker:** Madhav Somanath, Former Lead at ENVECO India, Data Analytics Associate at Ernst & Young GDS • **Date:** 23 December 2021 • **Participants:** 59  
**OU(s):** IEEE CS SBC GECBH
95. **Workshop:** IEEE Space Antenna Workshop 2021 - a 2-day workshop on the theme Advanced Antennas for Space and Industrial Applications: Design, Modeling, Hardware and Test • **Date:** 23 December 2021 • **Participants:** 156  
**OU(s):** IEEE APS SBC GECBH, IEEE MTT-S SBC GECBH
96. **Webinar:** The Art of Public Speaking - A session on how to deliver a memorable speech, conducted as part of 2021 PES CSAC Leadership Ambassador Program (STEP Category) • **Speaker:** Sajeev B, MA, B. Ed, MPhil (English), PhD scholar of BDU, Trichy, Faculty at St. Goretti HSS, Punalur • **Date:** 29 December 2021 • **Participants:** 67  
**OU(s):** IEEE SB GECBH
97. **Contest:** Crypto Bash 3.0- Our SBC's annual coding event held exclusively for students of GECBH, hosted on HackerEarth with a set of questions of varying difficulty • **Date:** 3 January 2022 • **Participants:** 24  
**OU(s):** IEEE CS SBC GECBH
98. **Webinar:** Computer Vision- Second webinar conducted as part of the series of 'Talk Sessions on Emerging Technologies' • **Speaker:** Dr. Apurba Das (Chief Architect; Head, Cognitive AI(IOT), TCS) • **Date:** 7 January, 2022 • **Participants:** 48  
**OU(s):** IEEE CS SBC GECBH, IEEE RAS SBC GECBH

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99. **Webinar:** Quantum Computing- First webinar conducted as part of the series of 'Talk Sessions on Emerging Technologies' • **Speaker:** Dr. Siddhartha Bhattacharyya (Full Foreign Member of Russian Academy of Natural Sciences; Principal of Rajnagar Mahavidyalaya) • **Date:** 10 January, 2022 • **Participants:** 39  
**OU(s):** IEEE CS SBC GECBH, IEEE RAS SBC GECBH



100. **Contest:** Cognitionis#15 - The final event in the bi-monthly quiz series, based on all the events previously conducted as part of Cognitionis. • **Date:** 16 January 2022 • **Participants:** 117  
**OU(s):** IEEE SB GECBH
101. **Contest:** Perspective - A five-day design challenge • **Date:** 17 January 2022 • **Participants:** 52  
**OU(s):** IEEE SB GECBH



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102. **Webinar:** Industrial IoT - Third talk session conducted as part of the series of 'Talk Sessions on Emerging Technologies' • **Speaker:** Jacob Thomas Puthukeril (Engineer at Robotics and FA, HikVision) • **Date:** 19 January, 2022 • **Participants:** 51  
**OU(s):** IEEE CS SBC GECBH, IEEE RAS SBC GECBH
103. **Webinar:** Entering the Field of Cybersecurity - A 2-day talk session on the basics of Ethical Hacking which gave an idea on how one can become a White Hat Hacker • **Speaker:** Byju Sukumaran (Technical Team lead | CEH | CPT | Electronic Security | ELV system | IT & Networking) • **Date:** 21 January, 2022 • **Participants:** 69  
**OU(s):** IEEE CS SBC GECBH

Submitted by,

**Abirami Chandramouli**  
 Secretary, IEEE Student Branch  
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