

Region 10 Vizag Bay Section Report

PART A - VIZAG BAY SECTION SUMMARY

A.1 Executive Summary –

- Vizag Bay Section Executive Committee Member List

Dr. Lakshminarayana Sadasivuni	Chair
Dr. Abraham Varughese	Vice-Chair
Md. Khwaja Muinuddin Chisti	Secretary
Prof. N. Deepika Rani	Treasurer
Prof. PSR Chowdary	Member
Dr. P. Siva Kumar	Member
Sri K. V. Sriram	Member
- Vizag Bay Section Highlights
 - Actively organized - 89+ Events (Final formation letter received on 27-7-2020)
 - Four active societies, WIE affinity group, SAC, TEMS teams
 - Four conferences approved of them one conference ICISSGT owned by Vizag Bay Section, three technically sponsored ICICTHMI, IC3P, BHARAT-22
 - Organized POCCOM
 - Organized SPS Sessional School 13th to 17th Sep, 2021
 - Eminent Lecture series, Distinguished lecture series, Experts Lectures series
- Major Events (International, National)
POCCOM, ICISSGT-2021, ICICTHMI, IC3P, BHARAT-22
- Major Chapter Activities
DL Programs, Professional, Training programs, Technical talks
- Major Student and Affinity Group Activities
IEEEExtreme Orientation programs, 3minutes, coding challenges
Three Mock IEEEExtreme was conducted for the students.

A.2 Financial Report – (Please follow the format given below)

- Summary (as per submitted on NetSuite)
- Any other financial activities
 - COMSOC SPECIAL FUND Rs. 73,480-00
 - SECTION ACTIVITY INCENTATIVE Rs. 1,83,700-00 (\$2,500)
 - MDLT at NITAP Rs. 17,500-00
 - MD plan Rs. 14,696-00

PART B - ORGANIZATIONAL ACTIVITIES

B.1 Membership Development Activities

- Total number of active members in the past 3 years: <1100 until 2020, Now it is >1500
- Summary and **evidence** of work done to improve the value of membership, which leads to retention and growth of members.
Increased volunteered positions by opting for representatives from colleges and districts. Student meets, SN Members meet, Branch councilors meet, training of branch councilors, future volunteer training, Excom training, membership development events. These events helped us to increase the memberships and encouraged eligible members to elevate their grade.

B.2 Chapter Activities:

- Total number of Chapters in the Vizag Bay Section: 5
- Number of Chapters formed in the current year: 5
- Number of active Chapters (Chapters who have reported required number of meetings during the year):4
- Summary of Chapter activities (Chapter wise with attachment table/information): Attached with documents.

S.No	Chapter	No. of Activities	
1	IEEE Vizag Bay Section	20	Attached separate table
2	PELS/PES/IAS	26	Attached separate table
3	CS	15	Attached separate table
4	ComSoc/SPS	09	Attached separate table
5	Education Society	10	Attached separate table
6	WIE/YP/LM	03	Attached separate table
7	SAC	06	Attached separate table

B.3 Professional and Continuing Education Activities

Summary of continuing Educational activities including conferences, technical activities, training courses, and distinguished lecture programs with attachment table/information.

Conferences:

1. IEEE International Conference on Intelligent Systems, Smart and Green Technologies (ICISSGT – 2021) [IEEE Conference Record: #52025]Theme “Unknown to Known: Technology as a Tool and Known to unknown: Humanity as Focus”.<https://r10.ieee.org/vizagbay/about-icissgt-2021/>
2. 11-12 December 2021 at Vijayawada: ICICTHMI Technical Sponsorship with PSCMR College of Engineering and Technology<https://sites.google.com/pscmr.ac.in/icictthmi/home>
3. IC3P conference technically sponsore. <https://www.ic3p.in/pages/important-dates.html>
4. BHARAT-22 IEEE International conference technically sponsored by IEEE Vizag Bay Section 7th and 8th April, 2022 <http://bharat22.gitam.edu>

Industrial training/ skill development/lectures/training programmes:

5. Industrial bonding with Dream Chip Electronics Pvt Ltd. Hill 2, Rushikonda VisakhapatnamTopic: The Making of Siddhi Digital School Bag Report [Industrial Tour to Dream Chip Technologies by IEEE Vizag Bay Section - YouTube](#)
6. EMINENT LECTURE SERIES(ELS)
7. Training of IEEE PES, IAS Student Members for Professional Development
8. Training of Section Excom members
9. Training of future volunteers of the section
10. Series of Two Day Skill Development Workshops -LORA Board training, SPS Chapter at six different locations of Andhra Pradesh

B.4 Students Activities

- Total number of Student Branches in the Vizag Bay Section: 33
- The number of Student Branches formed in the current year: 1
- Vizag Bay Section level student activities (student congress, paper, and other contests, awards etc.):5
- Number of active Student Branches (Student Branches who have reported required number of meetings during the year): 23
- Summary of Student Branch activities: Student Branch wise activity: Table presented at the end.

B.5 Affinity Group Activities

- Young Professional (YP): Nil
- Women In Engineering (WIE): 1
- Life Member (LM): Nil

B.6 Awards & Recognition Activities

- Award constituted by the Vizag Bay Section
- Please list all Awards and Recognitions received by the Vizag Bay Section, and members in the Vizag Bay Section, from R 10 and IEEE HQ during the year
Dr. V.Sandeep, Best Volunteer award from India Council

B.7 Communication Activities (Newsletter, Home Page, E-mail etc.)

- Newsletter (name and number of issues in the year):0
- Home Page of the Vizag Bay Section(give the URL and how often it is updated): Every Day
<https://r10.ieee.org/vizagbay/>
<https://r10.ieee.org/vizagbay/event-videos/>
<https://r10.ieee.org/vizagbay/embed-forms/events-2021/>
- Other means of contacts with Vizag Bay Section members including social media
IEEE Collaborate, Facebook, Instagram, Whatsup -district wise groups, telegram group, enotices, youTube channels

B.8 Industry Relations

- Membership growth and retention
- Activities for/with industrial members

Collaborated with Dream Chip Electronics Pvt Ltd. Hill 2, Rushikonda Visakhapatnam Topic: The Making of Siddhi Digital School Bag Report.

<https://www.youtube.com/watch?v=W4886P4JqSU&feature=youtu.be>

B.9 Humanitarian Technology Activities

- Humanitarian Technology related activities supported by the Vizag Bay Section including collaboration with other OUs.: Skill development programme with Andhra Pradesh government on Managing Information, Community Connection and Conserve <https://youtu.be/yEEsJDnqobE>
- *SIGHT* Activities: MOSATE - (MOISTURE, SALINITY & TEMPERATURE KIT TO OPTIMIZE USAGE OF WATER IN HILLY AREAS)” A device is built and demonstrated in the hilly areas that sends to the farmer about the live moisture, salinity, and temperature data, so that the farmer need not often go hilltops for adding water. smart irrigation system for the farmers, Industrial visits. *SIGHT* activities relates to this area only.

B.10 Community Activities

- IEEE Social activities (Family day, IEEE day, Engineers Week)”: Celebrated IEEE Day with all the members of the section.

PART C- OTHERS

C.1 Special Events

- Please briefly describe the importance of special events and the outcomes achieved.
Panel Of Chapter Chairs On Membership Development [POCCOM] Theme: How to move forward: it is successful as all the section chairs from different parts of India were gathered on the same platform and healthy discussing on the issues of membership development, member engagement, member benefits with IEEE. This has given the path to the volunteers to learn from the past and plan for future activities.
- Eminent Lecture Series
- Funding secured from the IEEE and external sources including sponsorships

C.2 Relationship with National and International Societies and Non-Government Organizations (NGO) : NIL

- Nature of relationship and details of any formal agreement signed
- Details of joint activities
- Benefit to IEEE members (for example discounts, access to technical information etc.)
- Benefit to Vizag Bay Section(for example help in membership development, venue facilities, cost-saving etc.)

C3. Collaboration with other Sections: POCCOM

- With POCCOM, all the section chair from different parts of the India were gathered on the same platform and healthy discussing on the issues of membership development, member engaging, member benefits with IEEE.
- Support extended to neighboring Vizag Bay Sections
- Joint activities with any other Vizag Bay Section

C.4 Support extended to Sub-Vizag Bay Sections & Society Chapters within the Vizag Bay Section:

- Support extended for organizing technical, educational, and professional activities. Supported all technical activities, webinars, invited talks by section.
- Joint activities for membership development:
Organized POCCOM – Where the all-chapter chair of the all the sections across the India brought into same platform, discussed the challenges faced in membership retention during Coivd-19 and solutions/best practices to increase the memberships.

C.5 Best Practices of your Vizag Bay Section (which you would like to share with other Vizag Bay Sections for the benefits of members)

- Monthly/quarterly meeting with other section chairs may help in organizing the event in collaborations.
- Regular technical talks by local resource persons/industrialists
- Events like POCCOM gives lot of scope to collaborate with other section and have activities between the sections.

C.6 Problems anticipated and suggestions for solutions if any

- Corona Pandemic situation and maybe we look for physical events this year

PART D - GOALS AND PLANS

D.1 Continuation of project/activity in progress and their implementation plans

- To organize and plan more conferences and extend cooperation to other student branches
- To organize IEEE awareness programmes to all the members, so that all members will be benefited.
- To organize Section Student Congress-2022
- To organize Branch counselors meet
- To organize Professional Members, meet geographically distributed.
- Selection of Section volunteers/ ambassadors district wise

D.2 Goals and Future Plans

- To apply and get opportunities to organize IEEE flagship events/summer schools and conferences under IEEE Vizag Bay Section Banner
- To increase YP /SAC/WIE activities
- To excel in social/community/humanitarian activities
- To increase the mentors in membership development activist
- To introduce internship activities for the students and research scholars
- To form special interest groups under the section
- To start new student branches under the section
- To increase the society chapters under the existing student branches.
- To support existing members in grade elevation

D.3 Any innovative ideas to make IEEE more creative and value added for sustaining the membership retention and recruitment goals.

- To build strong mentoring teams to guide the student in intership/project/feature directions in their field of interests monthly.

D.4 Business Plan for Sustainable Growth and Financial Stability.

- To submit various humanitarian projects proposal
- To conduct summer schools and internship programmes to generate monitory funds.
- To add events that are no financial burden to the section.

IEEE Vizag Bay Section

SNO	DATE	SPEAKER NAME, Designation, Address of the Speaker	Whether the event is Professional / Technical / Admin	Event Title / report
1	03-01-2021	MD K M Chisti, Secretary, IEEE Vizag Bay Section	Professional	Upgrade to IEEE Senior Membership https://events.vtools.ieee.org/m/287146
2	18-Jan-2021	Dr Suresh Nair, Chair IEEE India Council,	Membership Development	Inaugural of Panel Of Chapter Chairs On Membership Development [POCCOM] Theme: How to move forward-
3	23-01-2021	Prof.Debabrata Das(Chair elect 2021 IC)	Membership Development	Panel Of Chapter Chairs On Membership Development POCCOM: Valedictory https://events.vtools.ieee.org/m/287135
4	03-03-2021	Dr. Krishna Chaitanya Bulusu, Mahindra University Ecole Centrale, Hyderabad	Technical	5G Waveform Design https://events.vtools.ieee.org/m/287107
5	4-03-2021	IEEE Membership Benefits	Technical	IEEE Membership Benefits https://events.vtools.ieee.org/m/287094
6	3-03-2021	Dr S.Madhavi Professor and Department of CSE, Prasad v Potluri Siddhartha Institute of Technology	Technical	Quantum cryptography https://events.vtools.ieee.org/m/287155
7	25-03-2021	Dr. SLN and Team IEEE Vizag Bay Section	Technical	Future Volunteers' Training - Benefits of IEEE Volunteering By a Senior IEEE Member https://events.vtools.ieee.org/m/287083
8	01-05-2021	Dr. SLN and Team IEEE Vizag Bay Section	Professional	SIGHT DAY CELEBRATIONS https://events.vtools.ieee.org/m/286950
9	26-06-2021	Dr. SLN and Team IEEE Vizag Bay Section	Professional	HAC Call for Proposals – A panel discussion https://events.vtools.ieee.org/m/286947
10	16-07-2021	Dr. SLN , Dr. Harini, Md K.M. Chisti and Team IEEE Vizag Bay Section	Technical	INDUCTION TO IEEEEXTREME https://events.vtools.ieee.org/m/287394
11	24-07-2021	Dr Rao Professor and Director Academics CONQUEZ Ireland Limited Coliemore	Professional	21st Century Engineering Graduates and Compatibility with the Industry Demands https://events.vtools.ieee.org/m/286946
12	05-10-2021	Expert Lecture by Dr. V. Sandeep, NIT AP and IEEE Day Benefits by Md. KM Chisti	Professional	Expert Lecture by Dr. V. Sandeep, NIT AP and IEEE Day Benefits by Md. KM Chisti https://events.vtools.ieee.org/m/286928
13	27-09-2021	Dr. SLN	Admin	ICISSGT – Conference Arrangements Meet – 1 https://events.vtools.ieee.org/m/306262
14	20-10-2021	Dr. SLN	Professional	Planning Quality IEEE Conferences https://events.vtools.ieee.org/m/306263
15	21-10-2021	Dr. SLN	Admin	SEC and ICISSGT meeting https://events.vtools.ieee.org/m/306272
16	13-11-2021 & 14-11-2021	Team IEEE Vizag bay Section	Professional	2021- IEEE International Conference on Intelligent Systems, Smart and Green Technologies (ICISSGT – 2021) https://events.vtools.ieee.org/m/306267
17	17-11-2021	Dr. SLN	Admin	Chapter Secretaries and Treasures' Meeting https://events.vtools.ieee.org/m/306271
18	28-11-2021	Dr. SLN	Professional	ICISSGT-2021 Paper Submission Guidelines https://events.vtools.ieee.org/m/306268

19	31-12-2021	Dr. SLN	Professional	Revisit 2021 and Plan 2022 https://events.vtools.ieee.org/m/306270
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IEEE ComSoc/SPS Jt. Chapter

SNO	DATE	SPEAKER NAME, Designation, Address of the Speaker	Whether the event is Professional / Technical / Admin	Event Title / report
1	20-01-2021	Dr. B. Satyanarayana Dr Lalitha Vadlamani Dr T.S.N. Murthy, Chair, Mumbai Chair COMSoc/SPS IEEE Hyderabad Section,	Technical	POCCOM
2	13-10-2021	Dr. Kiran Gunnam, Distinguished Engineer, Western Digital Research, USA	Technical	LDPC based Advanced Error Correction Coding and 5G—Day1 https://events.vtools.ieee.org/m/269883
3	14-10-2021	Dr. Francisco García-Herrero, Associate Professor and a Researcher with the Universidad Antonio de Nebrija	Technical	LDPC based Advanced Error Correction Coding and 5G—Day2 https://events.vtools.ieee.org/m/269880
4	15-10-2021	Dr. Chris Dick from NVIDIA	Technical	GPU Acceleration for 5G Signal Processing and Machine Learning—Day3 https://events.vtools.ieee.org/m/269884
5	16-10-2021	Dr. Seong Hwan Kim of Xilinx	Technical	Building low latency and low power SmartCity Applications—day4 https://events.vtools.ieee.org/m/268265
6	17-10-2021	Mr. Ashok Kumar Reddy Chavva of Samsung R&D Institute India	Technical	Machine Learning for Next-Generation Wireless Communication Systems 5G/6G.—Day5 https://events.vtools.ieee.org/m/268696
7	02-05-2021	Dr. SHIWEN MAO professor and Earle C. Williams Eminent Scholar Chair, and Director of the Wireless Engineering Research and Education Center (WEREC) at Auburn University	Technical	IEEE Virtual Distinguished Lectured (VDL) "RFID FOR HUMAN ACTIVITY SENSING: CHALLENGES, SOLUTIONS AND APPLICATIONS" https://events.vtools.ieee.org/m/265684
8	27-06-2021	Dr. TSN Murthy and SPS Chairs India	Professional	SPS CHAIRS MEET https://events.vtools.ieee.org/m/276021
9	02-11-2021	Dr. TSN Murthy and SPS Team	Technical	Smart Node LoRa Gateway-COMSoc Membership retention program

SAC

SNO	DATE	SPEAKER NAME, Designation, Address of the Speaker	Whether the event is Professional / Technical / Admin	Event Title / report
1	22-01-2021	Prof Shankar Jayaraj Prof Sujatha Prof G. Sree Lakshmi Dr Sarika Chouhan Dr. ChirodeepBakli Sri A. Krishna Nag, SAC Chairs, Kerala Section, Bangalore Section, Hyderabad Section Bombay Section Khargapur Section, Vizag Bay Section	Technical	POCCOM
2	29-07-2021	Dr. Harini, Dr. Sivakumar, Md.K.M.Chisti	Technical	IEEEEXTREME 15.0 Awareness Programme https://events.vtools.ieee.org/m/287394

3	19-09-2021	Dr. Harini, Dr. Sivakumar, Md.K.M.Chisti	Technical	IEEEEXTREME 15.0 MOCKTEST 1 FOR PROGRAMMING COMPETITION https://events.vtools.ieee.org/m/287394
4	26-09-2021	Dr. Harini, Dr. Sivakumar, Md.K.M.Chisti	Technical	IEEEEXTREME 15.0 MOCKTEST 2 FOR PROGRAMMING COMPETITION https://events.vtools.ieee.org/m/287394
5	25-10-2020	Dr. Harini, Dr. Sivakumar, Md.K.M.Chisti	Technical	Admin SB Officer Reporting and L-31 Filing in IEEE Website – SAC https://events.vtools.ieee.org/m/245750
6	09-10-2021	Dr. Harini, Dr. Sivakumar, Md.K.M.Chisti	Technical	IEEEEXTREME 15.0 MOCKTEST 3 FOR PROGRAMMING COMPETITION https://events.vtools.ieee.org/m

IEEE PELS/ IAS/PES Jt Chapter, Vizag Bay Section

SNO	DATE	SPEAKER NAME, Designation, Address of the Speaker	Whether the event is Professional / Technical / Admin	Event Title / report
1	10-01-2021	Dr. Brij N. Singh from John Deere, USA	Technical	Improved Control Algorithm for Power Quality Controlled Converters https://events.vtools.ieee.org/m/261412
2	18-Jan-2021	Mr. Rajasekhar, Prof. Bijuna Kunju K, Dr. P.V. Rajagopal Dr. Srinivas Bhaskar Karanki, Prof. Sujit K. Biswas, Moderators: Dr Lakshminarayana Chair IEEE Vizag Bay Section and Dr Sandeep Chair PELS/IAS/PES Chapter of Vizag Bay Section, Chair, IEEE PES & IAS Bangalore chapters Chair IEEE IAS/IE/PELS Kerala Chapter Chair PES/IAS/PELS Chapter Hyderabad Section Chair, IEEE PELS Chapter Bhubaneswar, Kolkata Section Chair, IAS Chapter, IEEE Kolkata Section	Professional> Professional Development	[POCCOM] IEEE PES/PELS/IAS https://events.vtools.ieee.org/m/287133
3	20-01-2021	Dr. V Sandeep	Professional> Professional Development	Training of IEEE IAS Student Members for Professional Development https://events.vtools.ieee.org/m/261413
4	29-01-2021	Dr. Kaushik Rajashekara,, FIEEE Distinguished Professor of Engineering Department of Electrical & Computer Engineering, University of Houston, Houston, Texas,	Professional	Fellow Talk: Propulsion Systems and Power Electronics for Electric, Hybrid, and Fuel Cell vehicles.
5	06-02-2021	Mr. Abhinandan Dixit, Design Engineer at GAN Systems Inc., Ontario, Canada,	Technical	Expert Talk: Design of High-Efficiency Grid-to-Vehicle (G2V) Plug-in-Chargers for Local e-Transportation https://events.vtools.ieee.org/m/270097
6	11-02-2021	Prof. Bhim Singh, Fellow IEEE	Technical	Solar Photovoltaic Power Generation https://events.vtools.ieee.org/m/261417
7	13-02-2021	Prof. V. Ramgopal Rao, Director, IIT Delhi & Fellow IEEE,	Technical	Shockley Memorial Lecture https://events.vtools.ieee.org/m/270098
8	14-02-2021	Prof. G. Bhuvaneshwari, Department of Electrical Engineering Indian Institute of Technology (IIT) Delhi Fellow IEEE, FNAE, FIET, FIE, FIETE,		Fellow Talk https://events.vtools.ieee.org/m/270101
9	28-02-2021	Prof. Prasad N. Enjeti (Fellow, IEEE), Texas A&M University, Texas, USA	Technical	Power Electronics Research at Texas A&M University and Effective Methods to Engage Students in Online Classes https://events.vtools.ieee.org/m/270103

10	10-03-2021	Prof. Prasad Enjeti, Fellow IEEE, Texas Instruments (TI) Professor in Engineering, Department of Electrical & Computer Engineering, Texas A&M University, Texas, USA	Technical	Advanced Control Strategies for Grid-tied Solar PV System https://events.vtools.ieee.org/m/270104
11	13-03-2021	Dr. P. Sankar, Department of Electrical Engineering, National Institute of Technology (NIT) Andhra Pradesh	Technical	Introduction to Reliability Aspects of Power Electronic Systems https://events.vtools.ieee.org/m/270105
12	20-03-2021	Dr. N. K. Swami Naidu Department of Electrical Engineering, Indian Institute of Technology (IIT-BHU) Varanasi	Technical	Grid Synchronization and Multifunctional Control of VSIs in Distributed Generation Systems https://events.vtools.ieee.org/m/270106
13	10-04-2021	Dr. B. Dastagiri Reddy, Department of Electrical Engineering, NIT Surathkal	Technical	Battery Charging Technology for New Generation eBus https://events.vtools.ieee.org/m/271635
14	11-04-2021	Dr. V. Sandeep, Dr. SLN	Professional	PES DAY Ambassadors & PES Student Branch Chapters Meet https://events.vtools.ieee.org/m/271634
15	12-04-2021	Dr. Suresh MVVJ, Engineering Manager, GE Gas Power, Bangalore	Technical	Future of Power Generation https://events.vtools.ieee.org/m/271636
16	17-04-2021	Dr. M.P. Selvan, Department of Electrical Engineering, NIT Trichy	Technical	Micro grid and P2P Energy Transaction https://events.vtools.ieee.org/m/271638
17	22-04-2021	Dr. V Sandeep, NIT AP	Technical	PES DAY CELEBRATIONS "Theme: Clean Energy Revolution". https://events.vtools.ieee.org/m/271641
18	30-04-2021	Dr. Saeed Peyghami, Department of Energy Technology, Aalborg University	Technical	Expert Lecture on System-level Reliability Analysis in Power Electronic Systems https://events.vtools.ieee.org/m/271639
19	21-05-2021	Prof. Qinyu Zhang, Northeastern university, Boston, United States	Technical	Practical Design of Current Mode Boost Converter https://events.vtools.ieee.org/m/287201
20	11-07-2021	Dr. Sohom Chakrabarty, Department of Electrical Engineering, IIT Roorkee	Technical	Capacitor Voltage Estimation in Modular Multilevel Converters https://events.vtools.ieee.org/m/287204
21	18-07-2021	Dr. Mahesh Aidapu Electrical Engineering, Sardar Vallabhbhai National Institute of Technology Surat, Gujarat	Technical	Expert talk on "Meta heuristic algorithms and their applications to Electrical Systems" http://events.vtools.ieee.org/m/287206
22	25-07-2021	Dr. Suresh Mikkili, Assistant Professor, Department of Electrical & Electronics Engineering, National Institute of Technology Goa	Technical	Impact of Electric Vehicles in Smart Grid performance http://events.vtools.ieee.org/m/287208
23	23-09-2021	Dr. V. Rajagopal, BHEL, Corporate R&D, Hyderabad	Technical	Electric Vehicles for eMobility-the Future-Battery / Fuel Cell Powered https://events.vtools.ieee.org/m/287209
24	08-10-2021	Dr. Arun Kumar, Malaviya National Institute of Technology (NIT), Jaipur	Technical	DESIGN AND DEVELOPMENT OF EFFICIENT EV CHARGERS https://events.vtools.ieee.org/m/287211
25	22-10-2021	Dr. Naik, Department of Electrical Engineering National Institute of Technology (NIT), Rourkela	Technical	Investigation on Current Ripple Improvement of Induction Motor Drive using Hybrid Pulse Width Modulation for EV Application https://events.vtools.ieee.org/m/287214

26	28-10-2021	Dr. Apeksha, School of Electrical Sciences, Indian Institute of Technology (IIT), Goa	Technical	Electricity for Environment https://events.vtools.ieee.org/m/287215
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[EDU SOCIETY]

SNO	DATE	SPEAKER NAME, Designation, Address of the Speaker	Whether the event is Professional / Technical / Admin	Event Title / report
1	19-01-2021	Prof. R Venkata Siva Reddy, Prof. Y. Vijayalatha Prof. T. Sudheer Kumar, Chair IEEE Education Society Chapter, Bangalore Section Chair IEEE Education Society Chapter, Hyderabad Section,	Membership Development	POCCOM https://events.vtools.ieee.org/m/259914
2	27-02-2021	Dr. P. Malliga, Centre for Educational Media and Technology, NITTR, Chennai	Technical Event	Course Networking LMS and ePortfolio https://events.vtools.ieee.org/m/270091
3	17-03-2021	Dr. Amandeep	Technical Event	Design of Rubrics for Assessment https://events.vtools.ieee.org/m/270090
4	14-04-2021	Monalisa Pal and Ramana Anchuri, Engineer from the Education Team at The MathWorks	Technical Event	Teaching with Matlab in Modern Classroom https://events.vtools.ieee.org/m/270087
5	05-05-2021	Dr. Gopala Krishna	Technical Event	Achieving Academic Excellence – A Case Study of NIRF https://events.vtools.ieee.org/m/285975
6	21-05-2021	Dr. Sudheer, Chair, EduSoc	Technical Event	Education Society meet https://events.vtools.ieee.org/m/285977
7	28-06-2021	Leslie Martinich, President of Competitive Focus, and the Board President of Austin Shakespeare	Technical Event	Virtual Distinguished Lecture “Making the Transition from Engineer to Leader” https://events.vtools.ieee.org/m/276408
8	28-07-2021	Prof. Baskar	Technical Event	Bloom’s Taxonomy of Learning Outcomes https://events.vtools.ieee.org/m/285979
9	25-10-2021	B. Satyanarayana, Ph. D. Scientific Officer (H), TIFR, Mumbai, INDIA, Project Coordinator, India-based Neutrino Observatory (INO)	Professional	Expert Talk on “Art of Writing an Effective IEEE Research Paper”
10	08-12-2021	Dr. Kamalraj Subramaniam Professor & Head, Department of Biomedical Engineering in Karpagam Academy of Higher Education, Coimbatore.	Professional	A strategic Approach – NIRF Excellence

CS

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1	21-01-2021	Dr A. Murali M Rao Sri T. Vidyasagar Dr A K Deb, Dr Rajesh Ingle Dr. P. Satheesh, Chair, Delhi Section Chair, Hyderabad Section Chair, IEEE CSS, IEEE Kharagpur section Chair, IEEE Computer Society Chapter, Pune Section	Membership Development	POCCOM https://events.vtools.ieee.org/m/287670
	13-02-2021	Prof. V. Ramgopal Rao, IIT Delhi, Fellow IEEE	Professional	Shockley Memorial Lecture https://events.vtools.ieee.org/m/287675
2	27-02-2021	Dr. P. Kirankumar, Sasi Institute of Technology and Engineering	Professional	ELK Stack https://events.vtools.ieee.org/m/287676

3	30-03-2021	Dr. R. Rajeswara Rao, JNTUV	Professional	“Dynamic Computation Off-loading for Soft Real-Time Occlusion Detection in Drone Video Farming”
	25-04-2021	Dr Kathick Seshadri, of NIT- AP	Professional	Enabling positive use case of AI to meet sustainable development goals https://events.vtools.ieee.org/m/287692
4	27-04-2021	Sri Saikumar, Senior Software Engineer at Preqin	Professional	“Distributed systems and microservices” https://events.vtools.ieee.org/m/287693
5	28-04-2021	Mr. V. Madhu	Professional	" Beyond Programming Language" https://events.vtools.ieee.org/m/287694
6	07-05-2021	Dr M. Maheshkumar SRM University	Professional	“Applications in Biometrics” https://events.vtools.ieee.org/m/287696
7	04-06-2021	P.Sunil, Project lead Walmart	Professional	Unlocking the potential of AI in Retail Industry “Applications using ML” https://events.vtools.ieee.org/m/287697
8	24-07-2021	Ms. Jaishree Jaishankar, Executive committee, Swecha AP, Andhra Pradesh, Deep Learning Researcher, Zoho Corporation, Chennai	Professional	“Deep Learning for a better Society” https://events.vtools.ieee.org/m/287698
9	30-07-2021	Mr. M.Vamsi Krishna, Member of Gen. Council, Free Software Movement of India(FSMI) Secretary, SwechaAP, Andhra Pradesh Developer, FreedomBox, & BalaSwecha Projects	Professional	“Free Software for Education” https://events.vtools.ieee.org/m/287713
10	23-10-2021	Vanshaj Arora, Ambassadoe in Avidia Labs and Tech	Professional	“Educational Goals and Immersive Learnin https://events.vtools.ieee.org/m/287716
11	22-10-2021	Sai Teja, Associate Software Engineer, DeepCompute	Professional	“Internet Surveillance, a threat to privacy” https://events.vtools.ieee.org/m/287715
12	20-12-2021	Dr D.R Kumar Raja, Associate Professor, Sree Vidyanikethan Engg College	Technical	Current trends in Artificial Intelligence https://events.vtools.ieee.org/m/295834
13	21-12-2021	Dr. Ravi Kiran Varma P, SMIEEEE, Professor and HOD, CSE MVGR College of Engineering	Technical	Soft Computing and Swarm Intelligence in Network Perimeter Security https://events.vtools.ieee.org/m/296010
14	22-12-2021	Dr. M Naresh Babu, Assistant Professor, NIT – Silchar, Assam	Technical	Cryptanalysis of DES Crypto https://events.vtools.ieee.org/m/296145
15	23-12-2021	Dr. V Nagesh, SMIEEEE, Professor and HOD IT, MVGR College of Engineering	Technical	Trends in Recent Research in Machine Learning/Deep Learning https://events.vtools.ieee.org/m/296314

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SNO	DATE	SPEAKER NAME, Designation, Address of the Speaker	Whether the event is Professional / Technical / Admin	Event Title / report
1	17-01-2021	Anupma Thakur, DST-INSPIRE Senior Research Fellow Academy of Scientific & Innovative Research(AcSIR) V-1(A), Agrionics, CSIR-CSIO, Chandigarh, INDIA Chair, IEEE-AcSIR CSIO Student Branch IEEE Brand Ambassador	Technical	Women in STEMM: Ignite, Inspire, Empower & Engage

2	23-01-2021	Dr Rajashee Jain , Symbiosis Institute of Computer Studies and Research, Pune, India. Prof G. Sree Lakshmi ,CVR College of Eng Hyd Prof Y. Padma Sai,VNRVJ Inst of Eng& Tech Hyd Prof Vasavi , VRS Eng College Vijayawada Dr. Anupama Thakur, CSIR-CSIO, Chandigarh, Dr V. Usha Bala, Secretary IEEE India Council	Professional	POCCOM
3	08-03-2021	Dr. Usha Bala	Professional	Choose to Challenge – Women’s Day

Summary of Events held in 2021 by Student Branches of IEEE Vizag Bay Section

S No	Student Branch	No of Events Conducted in 2020
1	SITE - Sasi Institute of Technology & Engineering	9
2	DIET - Dadi Institute of Engineering and Technology	6
3	GVPCE - Gayatri Vidya Parishad College of Engineering	18
4	GITAM - Gandhi Institute of Technology & Management	26
5	GVP W - GVP College of Engineering for Women	8
6	PEC - Pragathi Engineering College	2
7	CRRCE - Sir CR Reddy College of Engineering	9
8	ACOE - Aditya College of Engineering	1
9	SVECW - Shri vishnu Engineering College for women Bhimavaram	8
10	NITAP - National Institute of Technology	10
11	Raghu Eng college	22
Total No of Events		119

Our website : <https://r10.ieee.org/vizagbay/>
Our Selected Event Videos : <https://r10.ieee.org/vizagbay/event-videos/>
Our Conference : <https://r10.ieee.org/vizagbay/icissgt-2021/>
Section Technically sponsored conferences : <https://r10.ieee.org/vizagbay/other/conferences/>

2021 IEEE International Conference on Intelligent Systems, Smart and Green Technologies (ICISSGT – 2021)

Organized by: IEEE Vizag Bay Section
Date(s): 13-14th Nov, 2021.

IEEE International Conference on Intelligent Systems, Smart and Green Technologies (ICISSGT – 2021) was inaugurated at Hotel Meghalaya Visakhapatnam. The conference’s theme is “Unknown to known: Technology as a tool and known to unknown: Humanity as focus. This conference is organized by IEEE Vizag Bay Section. Prof Saifur Rahman, IEEE President-Elect 2022, IEEE President 2023, Founding director of the Advanced Research, Institute at Virginia Tech, was the chief guest. In his address, he focused on the green and sustainable technology that every end-user should adopt and accept for the benefit of humanity. Prof. S.N. Singh, Past-chairperson, IEEE India Council, was the guest of honour. He emphasized the advantages of using renewable energy and smart technologies in his address. The keynote address on ‘Race against the Machine’ was delivered by Sri. M.G.P.L. Narayana, Chief Scientist, and Former Vice-President TCS. He focused on the importance of machine learning to determine to what extent humans are becoming indistinguishable from the machine.

Dr. S. Lakshminarayana, Chair, IEEE Vizag Bay Section, has indicated that Vizag Bay Section has conducted 200 plus virtual technical and professional events this year in spite of the pandemic. Dr. Abraham Varughese, General Chair Conference, Associate Director, NSTL, has enumerated the objectives of the conference. Dr. Deepika Rani, TPC Chair, said that the response was overwhelming, 206 technical research papers have been received, and 41 papers have been selected for presentation from 6 countries and several states of India. Sri KV Sriram, organizing chair, also was present. PVS Maruthi Rao, Dr. G Sree Lakshmi of Hyderabad, and Dr. B. Satyanarayana TIFR will deliver invited talks. Several researchers from many parts of India and abroad participated. Sri Md. Khwaja Muinuddin Chisti, the Secretary, said that the conference is done in hybrid mode and will conclude on 14th Nov 2021.



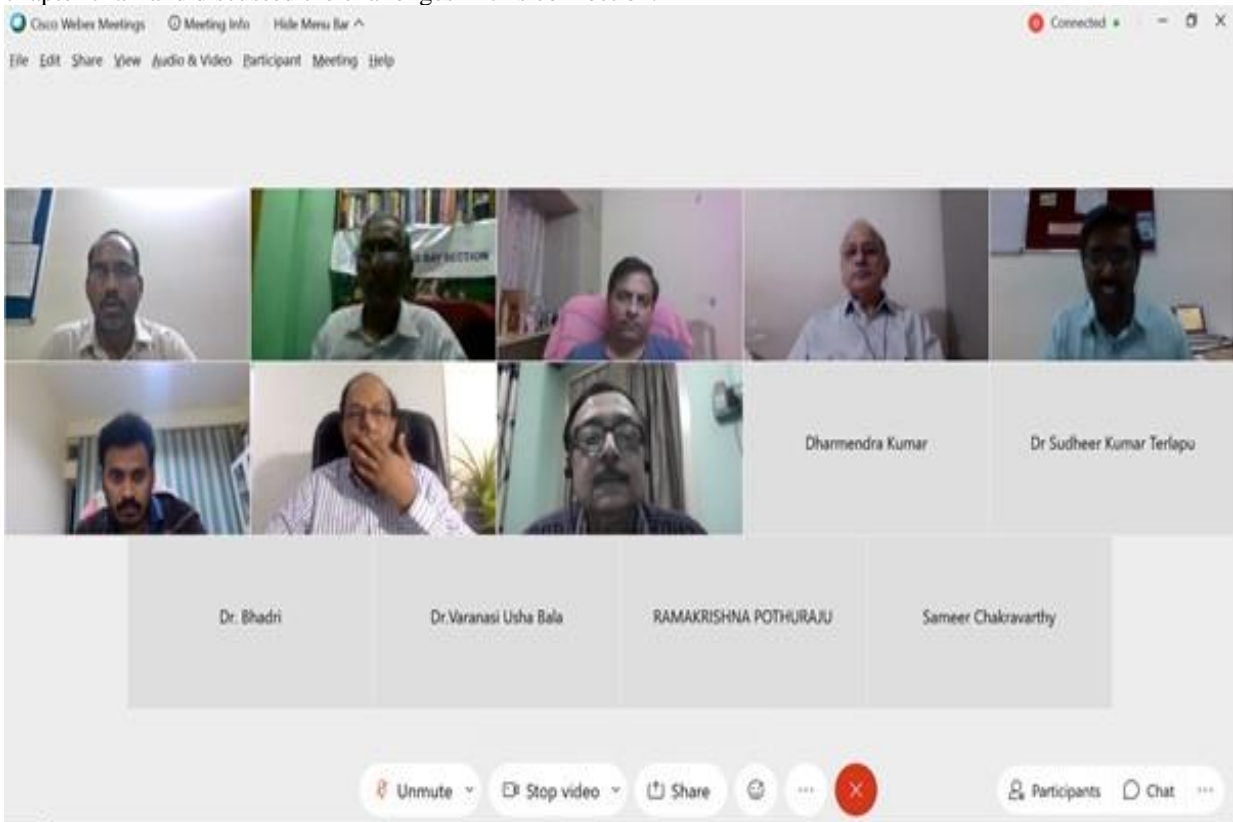
**Inaugural of Panel Of Chapter Chairs On Membership Development [POCCOM]
Organized by: IEEE Vizag Bay Section**

Theme: How to move forward

Date: 18-01-2021

Event link: <https://events.vtools.ieee.org/m/287140>

Description: Panel Of Chapter Chairs On Membership Development [POCCOM] Theme: How to move forward, inaugurated by Chief Guest: Dr. Suresh Nair Chair-Elect IEEE India Council. The event is to collaborate with various sections of the India council and discuss the challenges faced in the pandemics and how to organize and engage the section members. Dr. Suresh Nair Chair-Elect IEEE India Council addressed the chapter chair and discussed the challenges in this connection.



**The Making of Siddhi Digital School Bag
Industrial visit to Dream Chip Electronics Pvt Ltd.**

Organized by: IEEE Vizag Bay Section

Date:13-12-2020

Event link: <https://events.vtools.ieee.org/m/287154>

Description: [TEMS] Industrial visit to Dream Chip Electronics Pvt Ltd - The Making of Siddhi Digital School Bag: The Bag helps the school children off the school bag, books, textbooks,... The digitally stored textbooks and notes help the children and teachers can teach live using the developed digital system.



International Conference on Computing, Communication and Power Technology

Jointly organized by Raghu Institute of Technology(A), Visakhapatnam and Raghu Engineering College(A), Visakhapatnam, Technical Sponsored by IEEE Vizag Bay Section

The conference is organized in a total of nine sessions in which 61 papers presentations. Out of nine, two sessions are scheduled in offline mode. 11 papers were presented in the offline session, and 50 papers were delivered online. All the sessions are chaired by eminent personalities in the field of computer science, electrical, and electronics engineering from NIT, Central Universities, Technological Universities, and other experts in the field.

