

Region 10 Madhya Pradesh Section Report

** Please use the following format to prepare and submit your Section's annual report to Region 10.*

** Please note that the annual reports are used to evaluate the outstanding Sections in the region and reports submitted after the announced due date will not be considered for the award. Please do not include more than 3 photographs and preferably put them on additional pages attached to the report (please delete this paragraph in your report).*

** Please try to limit your Section's annual report not more than 15 pages.*

PART A - SECTION SUMMARY

A.1 Executive Summary – (Please follow the format given below)

• Section Executive Committee Member List

Sl. No.	Name	Position
1.	Dr. Geetam Singh Tomar	Chair, IEEE Madhya Pradesh Section
2.	Dr. Manish Dixit	Vice-Chair, IEEE Madhya Pradesh Section Chair, Professional Activities
3.	Dr. Manmath Badapanda	Vice-Chair, IEEE Madhya Pradesh Section Chair, Awards Committee
4.	Prof. M.P.S. Chawla	Treasurer, IEEE Madhya Pradesh Section
5.	Dr. Amit Ojha	Secretary, IEEE Madhya Pradesh Section
6.	Dr. Vijayalaxmi Biradar	Joint Secretary, IEEE Madhya Pradesh Section Chair, Women In Engineering Affinity Group
7.	Dr. Saibal Mukherjee	Chair, Liaison
8.	Dr. Karm Veer Arya	Chair, Outreach
9.	Dr. Deepak Singh Tomar	Chair, Publicity
10.	Mr. Shubham Gupta	Chair, Membership Development
11.	Dr. Somesh Kumar	Chair, Students' Activity Committee (SAC)
12.	Dr. Ashish Singhal	Chair, Tech
13.	Dr. Deepika Gupta	Chair, Social Media
14.	Dr. Shailendra Sharma	Chair, Industry and Entrepreneurship
15.	Dr. Vivek Tiwari	Chair, Young Professionals
16.	Dr. Kamal Kumar Sethi	Chair, Web Management
17.	Dr. Dilip Singh Sisodia	Chair, School Activity
18.	Dr. Jitendra Agrawal	Chair, Research & Development
19.	Mr. Akhilesh Tripathi	Chair, Technical & Professional Activities Committee (TPAC)
20.	Dr. Nitika Vats Doohan	Chair, Educational Activity
21.	Dr. Yadunath Pathak	Chair, Special Interest Group on Humanitarian Technology (SIGHT)
22.		

Extended Execom:

1.	Dr. Durgesh Kumar Mishra	Chair, Computer Society
2.	Dr. Shailendra Singh	Chair Student activities
3.	Dr. Manisha Dubey	Chair, Ethics Awareness Committee
4.	Dr. Pankaj Shrivastava	Chair, Program Committee
5.	Dr. Gaurav Kumar Bharti	Vice Chair, Social Media
6.	Dr. Ashish Mishra	Vice Chair, Membership Development
7.	Dr. Shravani Mathur	Vice Chair, Education Activity
8.	Dr. Deepika Dubey	Vice Chair TPAC
9.	Dr. Neha Gupta	Vice Chair, Special Interest Group on Humanitarian Technology (SIGHT)
10.	Dr. Aashi Bhadoria	Vice Chair, Young Professionals

11.	Dr. B.D. Gupta	Vice Chair, Entrepreneurship
12.	Mr. Anup Kumar Jana	Vice Chair, Web Management
13.	Mr. Sarat Chandra Mohanty	Vice Chair, Newsletter
14.	Dr. Jyoti Pillai	Vice Chair, Computer Society
15.	Dr. Anamika Yadav	Vice Chair, School Activities
16.	Dr. Rupali Bhartiya	Vice Chair, Technical and Professional Activities Committee (TPAC)
17.	Dr. Anita Verma	Vice Chair, Publicity
18.	Dr. Anu G Pillai	Vice Chair, Women In Engineering Affinity Group
19.	Dr. Pankaj Shrivastava	Vice Chair Liasson
20.	Dr. Pinku Kumar	Vice Chair, SIGHT
21.	Dr. Poonam Saxena	Vice Chair Ethics

• **Section Highlights**

1. International Conferences/Symposiums: 14
2. Expert Talks: 10
3. Professional & Continuing Educational Activities: 36
4. Technical Activities: 100
5. Awards/Achievements/Recognitions: 10
6. Student Branch Activities: 164
7. Affinity Group Activities: 7

• **Major Events (International/National)**

Sl. No.	Title	Date
1.	3 rd IEEE International Conference on Power, Control and Computing Technologies (ICPC ² T-2024)	18-20 January, 2024
2.	2 nd IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation (IATMSI-2024)	14-16 March, 2024
3.	13 th IEEE International Conference on Communication Systems and Network Technologies (CSNT-2024)	6-7 April, 2024
4.	IEEE International Conference on Power Electronics, Intelligent Control and Energy System (IEEE ICPEICES-2024)	26-28 April, 2024
5.	3 rd IEEE International Conference on Electrical Power and Energy System (3 rd ICEPES)	21-22 June, 2024
6.	IEEE 2 nd World Conference on Communication and Computing (WCONF-2024)	12-14 July, 2024
7.	International Conference on Advances in Computing Research on Science, Engineering and Technology (ACROSET-2024)	27-28 September, 2024
8.	Student Research Symposium (SRS-2024)	3-4 October, 2024
9.	International Conference on Innovation, Incubation and IPR (ICI ³ - 2024)	24-25 October, 2024
10.	ESG & Sustainability Symposium – 2024	22-23 November, 2024
11.	International Conference on Sustainable Power and Energy – 2024	28-29 November, 2024
12.	2 nd IEEE International Conference on Innovation in High Speed Communication & Signal Processing (IHCS-2024)	6-8 December, 2024
13.	International Conference on Information and Communication Technology in Business, Industry and Government (ICTBIG-2024)	13-14 December, 2024
14.	16 th International Conference on Computational Intelligence and Communication Networks (CICN-2024)	22-23 December, 2024
15.	3 rd IEEE World Conference on Applied Intelligence and Computing AIC 2024	27-28 July 2024
16.	First International Conference on Data, Computation and Communication 2024	29-30 Nov 2024

• **Major Student & Affinity Group Activities**

Sl. No.	Event	Date	Branch Code	Branch Name
1.	IEEE-MOVE Outreach India Promoting Climate Change & Sustainability	16-12-2024	STB60204569	Kalinga University
2.	ICT-BIG 2024	12/12/2024	STB60206269	Symbiosis University of Applied Sciences
3.	Skill building workshop	9/12/2024	STB60225931	Sagar Inst of Science Tech and Eng
4.	IEEE-MOVE Outreach India Promoting Climate Change & Sustainability	7/12/2024	STB60204569	Kalinga University
5.	Industrial Visit At "INDIAN INSTITUTE OF DRONE TECHNOLOGY"	5/12/2024	STB60219967	Lakshmi Narain College of Tech Excellence
6.	Educational Visit at Indian Institute of Drone Technology	5/12/2024	STB60219966	Lakshmi Narain College of Tech & Science, Bhopal
7.	Industrial visit	3/12/2024	STB60225931	Sagar Inst of Science Tech and Eng
8.	Plan your career like a pro	3/12/2024	STB60206025	Sage University
9.	INDUSTRIAL VISIT TO BSNL	29-11-2024	STB60219967	Lakshmi Narain College of Tech Excellence
10.	Azure Developer Day	29-11-2024	STB60049986	Institute of Technology & Management-Gwalior
11.	Industrial Visit at BSNL	29-11-2024	STB60219966	Lakshmi Narain College of Tech & Science, Bhopal
12.	ESG & Sustainability Symposium	22-11-2024	STB60204569	Kalinga University
13.	Industry visit to ISRO	15-11-2024	STB60206269	Symbiosis University of Applied Sciences
14.	EKLAVYA - Enlightening Minds Through IEEE Wisdom	7/11/2024	STB11426	Rajiv Gandhi Proudhyogiki Vishwavidyalaya
15.	Python and Web Development Workshop	21-10-2024	STB60223317	Shri Ram Institute of Technology Jabalpur
16.	IEEE Medal Distribution Ceremony	21-10-2024	STB11426	Rajiv Gandhi Proudhyogiki Vishwavidyalaya
17.	Cultural fest	18-10-2024	STB60206269	Symbiosis University of Applied Sciences
18.	Unlocking Opportunities with IEEE	17-10-2024	STB14891	Bhilai Institute of Technology-Durg
19.	Food wastage Monitoring Robot Design- An IOT approach	15-10-2024	STB01028	Madhav Institute of Tech & Science
20.	Coding Competition on the occasion of IEEE Day 2024	15-10-2024	STB60049986	Institute of Technology & Management-Gwalior
21.	BOOTCAMP 6.0 Advanced UAS navigation	15-10-2024	STB60206269	Symbiosis University of Applied Sciences
22.	IEEE Department-Wise Hackathon	12/10/2024	STB11426	Rajiv Gandhi Proudhyogiki Vishwavidyalaya
23.	IEEE RGPV Blog Competition	9/10/2024	STB11426	Rajiv Gandhi Proudhyogiki Vishwavidyalaya
24.	Electro VLSI 2024	8/10/2024	STB11518	VIT Bhopal University
25.	Logo Competition	6/10/2024	STB60223317	Shri Ram Institute of Technology Jabalpur
26.	IEEE MP Section Students and Leadership Congress 2024: Active representation by IEEE IIIT Bhopal Student Branch	5/10/2024	STB60215691	Indian Institute of Information Technology, Bhopal
27.	Expert Lecture on "VISIBLE LIGHT COMMUNICATION"	4/10/2024	STB60219967	Lakshmi Narain College of Tech Excellence
28.	Expert Lecture on "Visible Light Communication"	4/10/2024	STB60219966	Lakshmi Narain College of Tech & Science, Bhopal

29.	Technical Photography Competiton	4/10/2024	STB60206269	Symbiosis University of Applied Sciences
30.	Data Preparation for ML/DL Model	1/10/2024	STB60206025	Sage University
31.	Company in Focus: Pitch Style Case Study	1/10/2024	STB14891	Bhilai Institute of Technology-Durg
32.	IEEE Day Mega Week Program 2024	1/10/2024	STB11426	Rajiv Gandhi Proudtyogiki Vishwavidyalaya
33.	Workshop on PCB Designing	30-09-2024	STB60219966	Lakshmi Narain College of Tech & Science, Bhopal
34.	IEEE RGPV Orientation 2024	27-09-2024	STB11426	Rajiv Gandhi Proudtyogiki Vishwavidyalaya
35.	Workshop on Applications of Power Electronics Using Arduino Uno	23-09-2024	STB60221165	Oriental Institute of Science and Technology
36.	Poster Making Competition on "Engineering for a Sustainable Future"	19-09-2024	STB60219966	Lakshmi Narain College of Tech & Science, Bhopal
37.	Seminar on Research Paper Writing	18-09-2024	STB60219966	Lakshmi Narain College of Tech & Science, Bhopal
38.	One Week Hands-on-Training on ROBOTICS	16-09-2024	STB60204569	Kalinga University
39.	Debugging Competition	11/9/2024	STB60206025	Sage University
40.	Inaugural Ceremony of SUI-IEEE Student Branch	30-08-2024	STB60206025	Sage University
41.	Model Making Competition on Sustainable Solutions	22-08-2024	STB60221165	Oriental Institute of Science and Technology
42.	Oath Taking Ceremony	17-08-2024	STB14891	Bhilai Institute of Technology-Durg
43.	Hackathon/Ideathon	6/8/2024	STB11518	VIT Bhopal University
44.	Hands on IOT Training: Exposing Rural Students to Opportunities in STEM	5/8/2024	STB60204569	Kalinga University
45.	Logic Building Data Structure from Basic to Advance	5/8/2024	STB60206025	Sage University
46.	IEEE 2nd International World Conference on Communication & Computing 2024	12/7/2024	STB60204569	Kalinga University
47.	Clash of Minds: The Great Debate	10/7/2024	STB10851	Shri Shankaracharya Technical Campus
48.	workshop on PCB designing	9/7/2024	STB14281	Lakshmi Narain College of Technology
49.	Workshop on PCB Designing	9/7/2024	STB60219966	Lakshmi Narain College of Tech & Science, Bhopal
50.	Motivational Talk	8/7/2024	STB60219966	Lakshmi Narain College of Tech & Science, Bhopal
51.	Seminar on Power and Control Electronics trends in industry	8/7/2024	STB60219966	Lakshmi Narain College of Tech & Science, Bhopal
52.	Motivational talk	8/7/2024	STB14281	Lakshmi Narain College of Technology
53.	Seminar on "BHARAT 6G - India's path to innovation and collaboration in Next-Generation Wireless Technology"	6/7/2024	STB60219967	Lakshmi Narain College of Tech Excellence
54.	seminar on Bharat 6G indias path to innovationand collaboration in next generation wireless technology	6/7/2024	STB14281	Lakshmi Narain College of Technology
55.	Expert Talk on Startup Journey & LinkedIn Optimisation	6/7/2024	STB60219966	Lakshmi Narain College of Tech & Science, Bhopal
56.	Expert talk on "startup journey & linkedin optimization	6/7/2024	STB14281	Lakshmi Narain College of Technology

57.	Seminar on Bharat 6G-India's path to innovation and collaboration in Next-Generation Wireless Technology	6/7/2024	STB60219966	Lakshmi Narain College of Tech & Science, Bhopal
58.	WORKSHOP ON BREADBOARD DESIGNING	5/7/2024	STB60219967	Lakshmi Narain College of Tech Excellence
59.	Workshop on Bread Board Designing	5/7/2024	STB60219966	Lakshmi Narain College of Tech & Science, Bhopal
60.	EXPERT TALK ON "IMPORTANCE OF IEEE IN TECHNICAL EDUCATION"	4/7/2024	STB60219967	Lakshmi Narain College of Tech Excellence
61.	Expert Talk on Importance of IEEE in Technical Education	4/7/2024	STB60219966	Lakshmi Narain College of Tech & Science, Bhopal
62.	WorkShop on Virtual Lab	4/7/2024	STB14281	Lakshmi Narain College of Technology
63.	Importance Of IEEE In Technical Education	4/7/2024	STB14281	Lakshmi Narain College of Technology
64.	Expert Talk On "VIRTUAL LAB"	4/7/2024	STB60219967	Lakshmi Narain College of Tech Excellence
65.	Workshop on Virtual Lab	4/7/2024	STB60219966	Lakshmi Narain College of Tech & Science, Bhopal
66.	Robot Wars: Battle of the Bots	20-06-2024	STB10851	Shri Shankaracharya Technical Campus
67.	Climate Crisis, Sustainable Solutions: Building a Resilient Future	15-06-2024	STB60204569	Kalinga University
68.	5G technology by Echelon Edge Pvt limited.	11/6/2024	STB14281	Lakshmi Narain College of Technology
69.	5G training on 5G lab	28-05-2024	STB14281	Lakshmi Narain College of Technology
70.	QUIZ COMPETITION	17-05-2024	STB60219966	Lakshmi Narain College of Tech & Science, Bhopal
71.	Poster Making Competition	17-05-2024	STB14281	Lakshmi Narain College of Technology
72.	WORKSHOP ON VIRTUAL LABS	13-05-2024	STB60219966	Lakshmi Narain College of Tech & Science, Bhopal
73.	Expert Talk On "BENEFITS OF IEEE MEMBERSHIP"	9/5/2024	STB60219967	Lakshmi Narain College of Tech Excellence
74.	Expert Talk on Benefits of IEEE Membership	9/5/2024	STB60219966	Lakshmi Narain College of Tech & Science, Bhopal
75.	Inauguration of IEEE Student Branch at OIST Bhopal	9/5/2024	STB60221165	Oriental Institute of Science and Technology
76.	Professional Roadmap to Ongoing Success	9/5/2024	STB60206025	Sage University
77.	Industrial Requirements and Basic Programming PYTHON	8/5/2024	STB60206025	Sage University
78.	Industrial Requirements and Basic Programming JAVA	7/5/2024	STB60206025	Sage University
79.	Mastering Money: Financial Independence	3/5/2024	STB10851	Shri Shankaracharya Technical Campus
80.	Emission From Mobile Tower	2/5/2024	STB14281	Lakshmi Narain College of Technology
81.	Interactive session on Aditya L1 Mission	30-04-2024	STB14281	Lakshmi Narain College of Technology
82.	DRM Industrial Visit	20-04-2024	STB14281	Lakshmi Narain College of Technology
83.	CRISP Industrial Visit	19-04-2024	STB14281	Lakshmi Narain College of Technology
84.	Expert Talk on " 6G Communication: Emerging Technology and Applications".	16-04-2024	STB60219967	Lakshmi Narain College of Tech Excellence

85.	EXPERT SESSION ON 6G COMMUNICATION	16-04-2024	STB60219966	Lakshmi Narain College of Tech & Science, Bhopal
86.	Workshop on Embedded Systems	12/4/2024	STB60219966	Lakshmi Narain College of Tech & Science, Bhopal
87.	Workshop on embedded systems	12/4/2024	STB14281	Lakshmi Narain College of Technology
88.	INDUSTRIAL VISIT TO NITTTR	10/4/2024	STB60219967	Lakshmi Narain College of Tech Excellence
89.	INDUSTRIAL VISIT TO NITTTR	10/4/2024	STB60219966	Lakshmi Narain College of Tech & Science, Bhopal
90.	Industrial visit to NITTTR Bhopal	10/4/2024	STB14281	Lakshmi Narain College of Technology
91.	Workshop on Virtual LAB	6/4/2024	STB14281	Lakshmi Narain College of Technology
92.	INDUSTRIAL VISIT TO AARTECH SOLOMONICS LIMITED	5/4/2024	STB60219966	Lakshmi Narain College of Tech & Science, Bhopal
93.	Harnessing Nature: The Power of Renewable Energy	4/4/2024	STB10851	Shri Shankaracharya Technical Campus
94.	Change makers : making a difference	14-03-2024	STB10851	Shri Shankaracharya Technical Campus
95.	Inauguration Ceremony and Expert Talk	13-03-2024	STB60049986	Institute of Technology & Management-Gwalior
96.	industry visit to AMAZON	13-03-2024	STB60206269	Symbiosis University of Applied Sciences
97.	An Industrial Visit to Appin Technology lab	11/3/2024	STB60219967	Lakshmi Narain College of Tech Excellence
98.	Personality Development Session	11/3/2024	STB60204569	Kalinga University
99.	Website Design Competition	9/3/2024	STB60049986	Institute of Technology & Management-Gwalior
100.	Article Writing(International Women's Day)	8/3/2024	STB60049986	Institute of Technology & Management-Gwalior
101.	Q-Riosity	24-02-2024	STB11518	VIT Bhopal University
102.	2024 IEEE International Students Conference on Electrical, Electronics and Computer Science (SCEECS)	24-02-2024	STB07471	Maulana Azad National Inst of Tech (MANIT)
103.	Panel Discussion	23-02-2024	STB10851	Shri Shankaracharya Technical Campus
104.	IEEE Membership Benefits	19-02-2024	STB60204569	Kalinga University
105.	Py4Sci- Python for Scientific Research	29-01-2024	STB60206905	Indian Inst of Science Education & Res-Bhopal
106.	Unlocking the meta-versa	29-01-2024	STB10851	Shri Shankaracharya Technical Campus
107.	Ignite 24	20-01-2024	STB60206905	Indian Inst of Science Education & Res-Bhopal
108.	International Conference on Advance in Electrical Computing, Communication and Sustainable Technologies 2024	11/1/2024	STB10851	Shri Shankaracharya Technical Campus
109.	IEEE-MOVE Outreach India Promoting Climate Change & Sustainability	5/12/2024	SBA60204569	Kalinga University,WIE
110.	The Importance of Girls in Science Technology Engineering and Management (STEM)	26-09-2024	SBA60204569	Kalinga University,WIE
111.	International Women's day celebration and launch of magazine "वेसृति"	7/3/2024	SBA60204569	Kalinga University,WIE

- Awards**

- 2023 IEEE R10 Education Activities Outstanding Volunteer Award – Mayank Dubey
- 2023 IEEE R10 Outstanding Medium Section Award – IEEE Madhya Pradesh Section

3. IEEE R10 WIE Outstanding Professional Volunteer Award 2024 – Dr. Vijayalaxmi Biradar
4. 2024 IEEE WIE Inspiring Member of the Year Award (Honourable Mention) – Dr. Vijayalaxmi Biradar
5. 2024 IEEE WIE Climate Tech Big Idea Pitch Competition – EcoSense Innovators (IIT Indore)
6. Recognition by BIRAC in “Women Leadership in STEM” – Dr. Vijayalaxmi Biradar
7. Recognition at Returning Mothers Conference 2024 – Dr. Vijayalaxmi Biradar
8. IEEE India Council Outstanding Emerging Student Branch Award 2024 – IIIT Bhopal
9. IEEE India Council Outstanding Student Branch Award 2024 – ABV-IIITM Gwalior
10. IEEE India Council Outstanding Student Volunteer Award – Saurabh Yadav

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

- Summary (as per submitted on NetSuite)
- Any other financial activities

PART B - ORGANIZATIONAL ACTIVITIES

B.1 Membership Development Activities

- Total number of active members in the past 3 years.
- Summary and evidence of work done to improve the value of membership, which leads to retention and growth of members

B.2 Chapter Activities

- **Total number of Chapters in the Section - 22**
- **Number of Chapters formed in the current year - 1**
- Number of active Chapters (Chapters who have reported required number of meetings during the year)
- **Summary of Chapter activities (Chapter wise with attachment table/information)**

Sl. No.	Event	Date	Chapter	Chapter ID/Host ID
1.	Power System Planning: Emerging Trends and Technologies (PSPETT-24)	17-12-2024	Madhya Pradesh Section Chapter,PE31	CH11006 - Madhya Pradesh Section Chapter,PE31
2.	My Story: Motivational Session by a Successful Innovator	14-12-2024	Madhya Pradesh Section,CIS11	CH11061 - Madhya Pradesh Section,CIS11
3.	National Power System Conference	14-12-2024	Madhya Pradesh Section Chapter,PE31	CH11006 - Madhya Pradesh Section Chapter,PE31
4.	Industrial Visit at Aartech Solonics	12/12/2024	Madhya Pradesh Section Chapter,PE31	CH11006 - Madhya Pradesh Section Chapter,PE31
5.	Executive Committee Meet	8/12/2024	Madhya Pradesh Section Chapter,PE31	CH11006 - Madhya Pradesh Section Chapter,PE31
6.	Cyber Safe: Awareness and Best Practices	6/12/2024	Madhya Pradesh Section,CIS11	CH11061 - Madhya Pradesh Section,CIS11
7.	IEEE CTSoc Chapter MP-section: Technical Talk on Hardware Security Research Challenges and Directions	5/12/2024	Madhya Pradesh Section Chapter,CT08	CH10874 - Madhya Pradesh Section Chapter,CT08
8.	NextGen Farming MeetUp 2024	23-11-2024	Madhya Pradesh Section Chapter,PEL35	CH11005 - Madhya Pradesh Section Chapter,PEL35
9.	Samadhan 1.0: National Hackathon on "AI-based Chatbot Systems"	22-11-2024	Madhya Pradesh Section,CIS11	CH11061 - Madhya Pradesh Section,CIS11

10.	IEEE GRSS official Meeting	21-11-2024	Madhya Pradesh Section Chapter,GRS29	CH11086 - Madhya Pradesh Section Chapter,GRS29 SBC11563 - Indian Institute of Technology-Indore,GRS29
11.	3-day workshop on LabVIEW and the Basics of the Data Acquisition System	11/11/2024	Madhya Pradesh Section Chapter,GRS29	CH11086 - Madhya Pradesh Section Chapter,GRS29 SBC11563 - Indian Institute of Technology-Indore,GRS29
12.	Power quality improvement techniques with aid of multilevel inverters	6/10/2024	Madhya Pradesh Section Chapter,IE13	CH11004 - Madhya Pradesh Section Chapter,IE13
13.	Invitation for IEEE day celebration by IEEE GRSS MP Chapter	1/10/2024	Madhya Pradesh Section Chapter,GRS29	CH11086 - Madhya Pradesh Section Chapter,GRS29 SBC11563 - Indian Institute of Technology-Indore,GRS29
14.	High-Tech Vegetation Surveillance: Harnessing Drones and Farm Robotics for Advanced Vegetation Dynamics Research	18-09-2024	Madhya Pradesh Section Chapter,GRS29	CH11086 - Madhya Pradesh Section Chapter,GRS29 SBC11563 - Indian Institute of Technology-Indore,GRS29
15.	Radar Sounders for Planetary Exploration: Past, Present and Future	28-08-2024	Madhya Pradesh Section Chapter,GRS29	CH11086 - Madhya Pradesh Section Chapter,GRS29 SBC11563 - Indian Institute of Technology-Indore,GRS29
16.	Space hackathon on the occasion of National Space Day	18-08-2024	Madhya Pradesh Section Chapter,GRS29	CH11086 - Madhya Pradesh Section Chapter,GRS29 SBC11563 - Indian Institute of Technology-Indore,GRS29
17.	PELS WIE Workshop on Challenges in Work Life Balance of Women in Engineering	21-07-2024	Madhya Pradesh Section Chapter,PEL35	CH11005 - Madhya Pradesh Section Chapter,PEL35 R00126 - Madhya Pradesh Section
18.	PELS Distinguished Lecture on "A Futuristic Medium-Voltage Grid-Connected Multi-Port Public Electric-Vehicle Ultra-Fast Charging-Station with G2V and V2G Capability"	20-07-2024	Madhya Pradesh Section Chapter,PEL35	CH11005 - Madhya Pradesh Section Chapter,PEL35 R00126 - Madhya Pradesh Section
19.	IEEE PELS PhD Summer School	20-07-2024	Madhya Pradesh Section Chapter,PEL35	CH11005 - Madhya Pradesh Section Chapter,PEL35 R00126 - Madhya Pradesh Section
20.	National Workshop on Recent Advancements in Semiconductor Devices-2024 (NWRASD-2024)	1/7/2024	Madhya Pradesh Section Chapter,NANO42	CH10978 - Madhya Pradesh Section Chapter,NANO42
21.	PELS day celebration of PELS Madhya Pradesh Chapter	29-06-2024	Madhya Pradesh Section Chapter,PEL35	CH11005 - Madhya Pradesh Section Chapter,PEL35 R00126 - Madhya Pradesh Section
22.	Expert talk on High-Level Synthesis- IEEE CTSoc chapter MP Section	4/6/2024	Madhya Pradesh Section Chapter,CT08	CH10874 - Madhya Pradesh Section Chapter,CT08

23.	International light day	16-05-2024	Madhya Pradesh Section Chapter,PHO36	CH11018 - Madhya Pradesh Section Chapter,PHO36 SBC11563B - Indian Institute of Technology-Indore,PHO36
24.	Smart Power Flow Controllers: A necessity for future power grid	12/4/2024	Madhya Pradesh Section Chapter,PE31	CH11006 - Madhya Pradesh Section Chapter,PE31 SBC11563E - Indian Institute of Technology-Indore,RA24
25.	Industrial innovation using IoT	18-03-2024	Madhya Pradesh Section Chapter,IE13	CH11004 - Madhya Pradesh Section Chapter,IE13 R00126 - Madhya Pradesh Section
26.	IEEE CIS Chapter Madhya Pradesh Section - Executive Committee Meeting	6/3/2024	Madhya Pradesh Section,CIS11	CH11061 - Madhya Pradesh Section,CIS11
27.	Leadership The Way: IEEE EDS Young Professionals Summit	4/3/2024	Madhya Pradesh Section Chapter,ED15	CH11011 - Madhya Pradesh Section Chapter,ED15
28.	Executive Committee Meet	17-02-2024	Madhya Pradesh Section Chapter,PE31	CH11006 - Madhya Pradesh Section Chapter,PE31
29.	IEEE CIS Workshop on Women in Artificial Intelligence	22-01-2024	Madhya Pradesh Section,CIS11	CH11061 - Madhya Pradesh Section,CIS11
30.	High Voltage DC Power Supply with full range 24 pulsed input and ripple free output capability	20-01-2024	Madhya Pradesh Section Chapter,PEL35	CH11004 - Madhya Pradesh Section Chapter,IE13 CH11005 - Madhya Pradesh Section Chapter,PEL35 R00126 - Madhya Pradesh Section
31.	From Raindrops to floods: Advances, Challenges and Opportunities in Rainfall measurements at local and Global scales	10/1/2024	Madhya Pradesh Section Chapter,GRS29	CH11086 - Madhya Pradesh Section Chapter,GRS29 SBC11563 - Indian Institute of Technology-Indore,GRS29
32.	Overview of the Global Precipitation Measurement (GPM) Mission	9/1/2024	Madhya Pradesh Section Chapter,GRS29	CH11086 - Madhya Pradesh Section Chapter,GRS29 SBC11563 - Indian Institute of Technology-Indore,GRS29
33.	IEEE CIS Chapter Madhya Pradesh Section - Executive Committee Meeting	6/1/2024	Madhya Pradesh Section,CIS11	CH11061 - Madhya Pradesh Section,CIS11
34.	III-Nitride Semiconductor Nanostructures: Applications in Deep UV Optoelectronics, Micro-LEDs, Artificial Photosynthesis, and beyond	3/1/2024	Madhya Pradesh Section Chapter,NANO42	CH10978 - Madhya Pradesh Section Chapter,NANO42

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

Sl. No.	Event	Date
1.	IEEE CIS Workshop on Women in Artificial Intelligence	22-01-2024
2.	Change makers : making a difference	14-03-2024

3.	Leadership The Way: IEEE EDS Young Professionals Summit	04-03-2024
4.	Smart Power Flow Controllers: A necessity for future power grid	12-04-2024
5.	International Women's day celebration and launch of magazine "We	07-03-2024
6.	Personality Development Session	11-03-2024
7.	Inaugration Ceremony and Expert Talk	13-03-2024
8.	Expert Talk on "The Future of Electric Vehicles: Trends & Innovations"	22-04-2024
9.	INDUSTRIAL VISIT TO NITTTR	10-04-2024
10.	INDUSTRIAL VISIT TO AARTECH SOLONICS LIMITED	05-04-2024
11.	Workshop on Embedded Systems	12-04-2024
12.	EXPERT SESSION ON 6G COMMUNICATION	16-04-2024
13.	Expert Talk on Benefits of IEEE Membership	09-05-2024
14.	QUIZ COMPETITION	17-05-2024
15.	WORKSHOP ON VIRTUAL LABS	13-05-2024
16.	Inauguration of LNCT&S Student Branch	09-05-2024
17.	Climate Crisis, Sustainable Solutions: Building a Resilient Future	15-06-2024
18.	Motivational Talk	08-07-2024
19.	IEEE 2nd International World Conference on Communication & Computing 2024	12-07-2024
20.	Inauguration of Student Branch – SAGE University, Indore	30-08-2024
21.	Seminar on Research Paper Writing	18-09-2024
22.	Professional Roadmap to Ongoing Success	09-05-2024
23.	Industry visit to ISRO	15-11-2024
24.	Data Preparation for ML/DL Model	01-10-2024
25.	industry visit to AMAZON	13-03-2024
26.	IEEE MP Section Branch Counsellors Meet (For Chhattisgarh Region)	30-09-2024
27.	Unlocking Opportunities with IEEE	17-10-2024
28.	Inauguration of Student Branch – Symbiosis Indore	27-09-2024
29.	Inauguration of Student Branch – Shri Ram Institute of Technology	22-10-2024
30.	My Story: Motivational Session by a Successful Innovator	14-12-2024
31.	Azure Developer Day	29-11-2024
32.	Industrial Visit at Aartech Solonics	12-12-2024
33.	ESG & Sustainability Symposium	22-11-2024
34.	Cyber Safe: Awareness and Best Practices	06-12-2024
35.	Seminar on “Writing an Effective IEEE Proposal for Funding”	21-12-2024
36.	Webinar on “Unlocking IEEE Funding Opportunities: Tips, Tricks & Evaluation Insights”	22-12-2024
37.	Distinguished Lecture on “Design of AC-DC hybrid microgrid using renewable energies” (IEEE Power Electronics Society Madras Section in association with IEEE Power Electronics & Industrial Electronics Society Madhya Pradesh Section)	19-02-2024
38.	Speaker Session on “How to get a High Paying Job in Recession”	20-02-2024
39.	Expert Talk on “Challenges & Opportunities for Engineering Students in Career Enhancement”	13-03-2024
40.	Expert Talk on “Simple and Robust Method for Estimation of Induction Motor and Permanent Magnet Synchronous Motor Parameter”	14-08-2024
41.	2024 IEEE Virtual Speaker Session on “Effective Use of Virtual Labs”	04-09-2024
42.	Expert Talk on “Development of Large Scale ML Algorithms and their applications in the biomedical domain”	16-09-2024
43.	Expert Talk on “Advancement of 4G, 5G & THz Generation of Antennas for Wireless Application”	24-09-2024
44.	Expert Talk on “Antenna Design Fundamentals: A Journey through Innovation and Evolution”	15-10-2024
45.	Distinguished Lecture on “Power Eletronics in Renewable Energy Intelligent Systems “ (IEEE Systems Council Chapter)	09-11-2024
46.	Expert Talk on “Role of RF Devices in Electrical & Electronics”	25-09-2024

B.4 Students Activities

- **Total number of Student Branches in the Section - 46**
- **Number of Student Branches formed in the current year -**
- **Section level student activities (student congress, paper and other contests, awards etc)**
IEEE Madhya Pradesh Section Students and Leadership Congress – 2024 (ABV-IIIITM Gwalior, Madhya Pradesh)
- **Number of active Student Branches (Student Branches who have reported required number of meetings during the year) - 27**

- **Summary of Student Branch activities (Student Branch wise with attachment table/information)**

BIT Durg	3
IISER Bhopal	2
IIIT Bhopal	1
ITM Gwalior	5
Kalinga University	13
LNCTS Bhopal	21
LNCTE Bhopal	11
LNCT Bhopal	16
MITS Gwalior	8
MANIT Bhopal	1
OIST Bhopal	3
RGPV Bhopal	6
SISTec Bhopal	2
SAGE University Bhopal	9
SRIT Jabalpur	2
SSTC Bhilai	8
SUAS Indore	6
VIT Bhopal	3

B.5 Affinity Group Activities

- Young Professional (YP)

- **Women In Engineering (WIE)**

Sl. No.	Event	Date
1.	Hands-On IoT Training: Exposing Rural Students to Opportunities in STEM	5-9 August, 2024
2.	ESG & Sustainability Symposium	22-23 November, 2024
3.	IEEE-MOVE Outreach India: Promoting Climate Change & Sustainability (Govt. Middle School, Kuhera)	5 December, 2024
4.	IEEE-MOVE Outreach India: Promoting Climate Change & Sustainability (Govt. Higher Sec. School, Uperwara)	7 December, 2024
5.	IEEE-MOVE Outreach India: Promoting Climate Change & Sustainability (Saraswati Shishu Mandir Higher Sec. School, Jagdish Mandir, Garhafatak, Jabalpur)	16 December, 2024
6.	IEEE-MOVE Outreach India: Promoting Climate Change & Sustainability (Oriental Institute of Science and Technology, Bhopal)	19 December, 2024
7.	IEEE-MOVE Outreach India: Promoting Climate Change & Sustainability (MM School, Airport Road, Raipur)	24 December, 2024

- Life Member (LM)

B.6 Awards & Recognition Activities

- Award constituted by the Section
- **Please list all Awards and Recognitions received by the Section, and members in the Section, from R 10 and IEEE HQ during the year**
 1. 2023 IEEE R10 Education Activities Outstanding Volunteer Award – Mayank Dubey
 2. 2023 IEEE R10 Outstanding Medium Section Award – IEEE Madhya Pradesh Section
 3. IEEE R10 WIE Outstanding Professional Volunteer Award 2024 – Dr. Vijayalaxmi Biradar
 4. 2024 IEEE WIE Inspiring Member of the Year Award (Honourable Mention) – Dr. Vijayalaxmi Biradar
 5. 2024 IEEE WIE Climate Tech Big Idea Pitch Competition – EcoSense Innovators (IIT Indore)
 6. Recognition by BIRAC in “Women Leadership in STEM” – Dr. Vijayalaxmi Biradar
 7. Recognition at Returning Mothers Conference 2024 – Dr. Vijayalaxmi Biradar
 8. IEEE India Council Outstanding Emerging Student Branch Award 2024 – IIIT Bhopal
 9. IEEE India Council Outstanding Student Branch Award 2024 – ABV-IIITM Gwalior
 10. IEEE India Council Outstanding Student Volunteer Award – Saurabh Yadav

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

- Newsletter (name and number of issues in the year)
- Home Page of the Section (give the URL and how often it is updated)
- Other means of contacts with Section members including social media

B.8 Industry Relations

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

B.9 Humanitarian Technology Activities

- Humanitarian Technology related activities supported by the Section including collaboration with other OUs.
- SIGHT Activities

B.10 Community Activities

- IEEE Social activities (Family day, IEEE day, Engineers Week)”

IEEE day celebrated by Section and 5 other student branches with funding from section
Engineers day was celebrated on 14 Sep 2024

PART C - OTHERS

C.1 Special Events

- Please briefly describe the importance of special events and the outcomes achieved
- Two events were conducted by IIT Indore student branch and sensor council under social responsibility. Programs were organized at various schools and disable homes.
Funding was granted from the section
SRS 24 and SSR 24 were the names of the events

- Funding secured from the IEEE and external sources including sponsorships

For various events like robotics competition and other projects funding has been secured by the branches and chapters from IEEE

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

- Nature of relationship and details of any formal agreement signed
Machine Intelligence Research Labs, Gwalior signed MOU with MP Section to support in organizing various events and support in financially sponsored events. MOU has been signed in this regard
MOU has also been signed with IETE India for joint events
MOU has been signed with soft computing society Delhi for various collaborative events

- Details of joint activities
Joint conferences have been organized with IETE and Soft computing society

- Benefit to IEEE members (for example discounts, access to technical information etc.)

There is mandatory discount to IEEE members in all the events of the collaborating organisations

- Benefit to Section (for example help in membership development, venue facilities, cost saving etc.)

There has been increase in the membership by having this collaboration

C3. Collaboration with other IEEE Sections

- Support extended to neighboring Sections
With UP section
- Joint activities with any other Section

With UP section one conference was organised

C.4 Support extended to Sub-sections & Society Chapters within the Section

- Support extended for organising technical, educational and professional activities
- Joint activities for membership development : with symbiosis university joint event for membership development was done
- Support extended for the formation of a Sub-section or transition of a Sub-section into a full Section

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

Collaboration with MIR labs to get help in paper formatting and proceedings preparation of various conferences organized by the section and also by other institutes having IEEE sponsorship. This has reduced expenditure of organisations

C.6 Problems anticipated and suggestions for solutions, if any

PART D - GOALS AND PLANS

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

There some pending projects of rural outreach and social responsibility, which will be continued for next year also

D.2 Goals and Future Plans

Goal of the section is to become large section by increasing members of the section.

Increasing senior members as it was seen in the past that Senior members renew the membership in maximum numbers than the members. This will increase retention ratio of the section.

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

By having maximum activities in all the prospective organizations and organizing events in different parts of the geographical area.

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

By having more and more activities sponsored by section and reaching out to the organisations having maximum number of employees.

(Geetam Tomar)
Chairman, MP Section