

Madhya Pradesh Section Report 2023

(Please replace above heading with your Section name)

PART A - SECTION SUMMARY

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

- Section Executive Committee Member List

No.	Name	Position
1	GS Tomar	Section Chairman
2	Manish Dixit	Section Vice Chairman
3	Manmath Badapanda	Section Vice Chairman
4	MPS Chawla	Treasurer
5	Amit Ojha	Section Secretary
6	Karm Veer Arya	Chair Outreach
7	Saibal Mukherjee	Membership Dev Chair
8	Robin Singh Bhadoria	Section Jt Secretary/ Conference application
9	Vijaya Laxmi Biradar	WIE Chair
10	Subham Gupta	SAC Chair
11	Deepak Singh Tomar	Web Development Chair
12	Pramod Kumar Singh	Chair, Social Media
13	Maifuz Ali	Chair SIGHT
14	Vivek Tiwari	Member
15	RN Patel	Member
16	Nitika Doohan	Member
17	Shailendra Sharma	Member
18	Matadeen Bansal	Member
19	Neeraj Shrivastava	Member
20	Ashish Mishra	Member
21	Dilip Singh Sisodia	Member

- Section Highlights

Section

- Major Events (International, National)

International Conference

S.No	Name of Conference	Date of Conference
01	World Conference on Communication & Computing 2023 (WCONF 2023)	14th –16th July 2023
02	IEEE 8th I2CT CONFERENCE 2023	7 th to 9 th April 2023
03	2023 IEEE International Conference on Renewable Energy and Sustainable E- Mobility (RESEM 2023)	17-19 May 2023
04	2023 12 th IEEE CSNT 2023	8 th – 09 th Apr 2023
05	2023 15 th IEEE CICN 2023	22-23 Dec 2023

- Major Chapter Activities

Organizing the following

01	International Conferences
02	National Conferences
03	Expert Lectures
04	Distinguished Lecture
05	Workshops

- Major Student and Affinity Group Activities

S.No	Name of Event	Date of Event
01	Aeromodelling workshop for Girl Students from Government School	17 th & 18 th March 2023
02	IEEE Initiative: Student Internship at Godawari	01-02-2023 to 28-02-2023
03	Faculty-Student interaction program at Acropolis Institute, Indore	14th January 2023
04	Student Research Symposium-2023 (SRS'23) at IIT, Indore	10-10-2023

- Awards

S.No	Title of Award
01	
02	Recognized as IEEE WIE Mentor Institute
03	Selected as organizers to host IEEE WIE ILS 2023, Raipur
04	Selected as IEEE Pre University Champion:
05	Selected as IEEE Pre University Champion:
06	Selected as IEEE STEM Champion
07	Best Innovation Pitch Honorable Mention in IEEE WIE Climate Tech Big Idea Pitch Competition
08	MP section, Gujrat Section & Delhi Section won \$150 under Green Tech Innovation Challenge at IEEE R10 Section Chapter Symposium at Goa.

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.

	2021	2022	2023
Number of Active Members			

- 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 : ---
- Number of Chapters formed in the current year: ----
- 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)

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

S.No	Name of Activity	Date of Activity
1.	World Conference on Communication & Computing 2023 (WCONF 2023)	14th –16th July 2023
2.	IEEE 8th I2CT CONFERENCE 2023	7 th to 9 th April 2023
3.	2023 IEEE International Conference on Renewable Energy and Sustainable E- Mobility (RESEM 2023)	17-19 May 2023
4.		
5.		
6.	Meeting with WIE Invited Members	31st Jan to 3rd Feb 2023
7.	Funding Opportunities on Humanitarian Projects to Meet SDG's through IEEE	23 rd February 2023
8.	Aeromodelling workshop for Girl Students from Government School	17 th & 18 th March 2023
9.	Hands on Training on Robotics	20 th to 25 th March 2023
10.	IEEE Initiative: Student Internship at Godawari	01-02-2023 to 28-02-2023
11.	IEEE Student Branch (SB) Inauguration, SSIPMT	5 th April 202
12.	IEEE KU SB Anniversary Celebration	5 th April 202
13.	Branch Counsellors and EXCOM members Meet	5 th April 202
14.	IEEE Student Branch Inauguration at Guru Ghasidas Vishwavidyalaya, Bilaspur	6 th April 2023
15.	IEEE Student Branch Inauguration at CSVTU, Bhilai	6 th April 2023
16.	IEEE MP Section Chair Visit to Kalinga University	7 th April 2023
17.	IEEE 8th I2CT CONFERENCE 2023	7 th to 9 th April 2023
18.	Talk on “Funding Opportunities on Humanitarian Projects to Meet SDG's through IEEE” to IEEE Vizag Section	4th August 2023
19.	IEEE WIE ILS 2023, Raipur	25 th & 26 th August 2023
20.	Unlocking Potential Opportunities & Benefits in WIE	11 th September 2023
21.	Inauguration of IEEE ICBDS 2023	7 th October 2023
22.	An invited talk on “Hydrogen Fuel Cell Vehicle (HFCV): Revolution in Transportation” on the eve of IEEE Day	9 th October 2023
23.	Returning Mothers Conference 2023	27 th Oct 2023
24.	2023 R10 Section Chapter Symposium	1 st to 3 rd December 2023
25.	“IEEE WIE AG Mentor-Mentee Event: Benefits of IEEE WIE AG Membership” launched under the R10 WIE Championship Initiative	4 th December 2023
26.	“IEEE WIE AG Mentor-Mentee Event: How to make IEEE WIE AG self-sustainable”	8 th December 2023
27.	Smart Garbage Monitoring System	3 rd to 7 th Oct 2023
28.	SCIENTIFIC TOY WORKSHOP	28 th to 30 th November 2023
29.	Faculty-Student interaction program at Acropolis Institute, Indore	14th January 2023
30.	Eminent Lecture- Research and career: 360 degree holistic approach	14 January 2023
31.	Eminent Lecture-Role of IOT in healthcare domain	11 February 2023
32.	Eminent Lecture- Hydrogen Energy: Global trends and opportunities in India for transportation	25 February 2023
33.	Eminent Lecture - Challenges in Indian Power Sector	11 March 2023
34.	Eminent Lecture - Role of Machine Learning in Power Electronics	13th May 2023

35.	Industry 4.0 building blocks	10 June 2023
36.	Power electronics in renewable energy systems: Opportunities and challenges	17-06-2023
37.	IEEE PELS Day celebration 2023	01-07-2023
38.	Student Research Symposium-2023 (SRS'23) at IIT, Indore	10-10-2023
39.	IEEE R10 Industry - Academia workshop on "Artificial Intelligence, Machine Learning & Deep Learning"	14-10-2023
40.	Industry academia engagement workshop	31-10-2023
41.	Relevance of Nuclear power and SMRs in Indian perspective	2-12-2023
42.	IEEE PELS Distinguished Lecture by Dr. Sanjib Kumar Panda	25-12-2023
43.	IEEE IES Distinguished Lecture by Prof. Sri Niwas Singh	25-12-2023
44.	The Past, Present, And Future Electric Power Distribution Systems	6 th January 2023
45.	Distribution Transformer Monitoring and Failure Analysis	9-10th January, 2023.
46.	TRANSFORMER SYSTEM INTERACTIONS AND MODELING	14 TH FEBRUARY, 2023
47.	SUB-LOAD DESPATCH CENTRE, 400 KV SWITCH YARD, INDORE (MP)	16 TH FEBRUARY, 2023
48.	520 MW HYDRO POWER PLANT, OMKARESHWAR (MP)	01 ST APRIL, 2023
49.	EDUCATE FACULTY AND STUDENTS ABOUT THE ADVANTAGES OF IEEE AND IEEE PES FOR THEIR PROFESSIONAL DEVELOPMENT	21 ST APRIL, 2023
50.	ELECTRICITY MARKET IN INDIA: EMERGING MEGATRENDS	22 nd MAY, 2023
51.	INDIAN ELECTRICITY GRID CODE 2023: REGULATORY PROVISIONS FOR INTEGRATION OF RENEWABLE ENERGY RESOURCES	8 th JULY, 2023
52.	Vulnerability Management and Intrusion Detection in the Power Grid Operational Technology (OT) Environment	18 August 2023
53.	Women In Power To Light The Future	August 25, 2023
54.	WOMEN IN POWER-CHALLENGES AND OPPORTUNITIES	AUGUST 25, 2023
55.	Effective Technical Communication	September 26, 2023
56.	Samwad'23 is an event celebrating the role of Women in Engineering (WIE) and technology.	03/11/23 - 05/11/23
57.	Aarambh'23 was a social initiative aimed at engaging a large number of students from unprivileged schools, offering them career guidance and introducing them to the realm of science through experiments and engaging games.	09/09/23

B.4 Students Activities

- Total number of Student Branches in the Section
- Number of Student Branches formed in the current year
- Section level student activities (student congress, paper and other contests, awards etc)

- Number of active Student Branches (Student Branches who have reported required number of meetings during the year)
- Summary of Student Branch activities (Student Branch wise with attachment table/information)

B.5 Affinity Group Activities

• Young Professional (YP) :

- Women In Engineering (WIE)

S.No	Name of Event	Date of Event
01	Meeting with WIE Invited Members	31st Jan to 3rd Feb 2023
02	Funding Opportunities on Humanitarian Projects to Meet SDG's through IEEE	23 rd February 2023
03	Aeromodelling workshop for Girl Students from Government School	17 th & 18 th March 2023
04	Hands on Training on Robotics	20 th to 25 th March 2023
05	IEEE Initiative: Student Internship at Godawari	01-02-2023 to 28-02-2023
06	IEEE Student Branch (SB) Inauguration, SSIPMT	5 th April 202
07	IEEE KU SB Anniversary Celebration	5 th April 202
08	Branch Counsellors and EXCOM members Meet	5 th April 202
09	IEEE Student Branch Inauguration at Guru Ghasidas Vishwavidyalaya, Bilaspur	6 th April 2023
10	IEEE Student Branch Inauguration at CSVTU, Bhilai	6 th April 2023
11	IEEE MP Section Chair Visit to Kalinga University	7 th April 2023
12	IEEE 8th I2CT CONFERENCE 2023	7 th to 9 th April 2023
13	Talk on "Funding Opportunities on Humanitarian Projects to Meet SDG's through IEEE" to IEEE Vizag Section	4th August 2023
14	IEEE WIE ILS 2023, Raipur	25 th & 26 th August 2023
15	Unlocking Potential Opportunities & Benefits in WIE	11 th September 2023
16	Inauguration of IEEE ICBDS 2023	7 th October 2023
17	An invited talk on "Hydrogen Fuel Cell Vehicle (HFCV): Revolution in Transportation" on the eve of IEEE Day	9 th October 2023
18	Returning Mothers Conference 2023	27 th Oct 2023
19	2023 R10 Section Chapter Symposium	1 st to 3 rd December 2023
20	"IEEE WIE AG Mentor-Mentee Event: Benefits of IEEE WIE AG Membership" launched under the R10 WIE Championship Initiative	4 th December 2023
21	"IEEE WIE AG Mentor-Mentee Event: How to make IEEE WIE AG self-sustainable"	8 th December 2023
22	Smart Garbage Monitoring System	3 rd to 7 th Oct 2023
23	SCIENTIFIC TOY WORKSHOP	28 th to 30 th November 2023
24	Samwad'23 is an event celebrating the role of Women in Engineering (WIE) and technology	03/11/23 - 05/11/23

- Life Member (LM) : 01

B.6 Awards & Recognition Activities

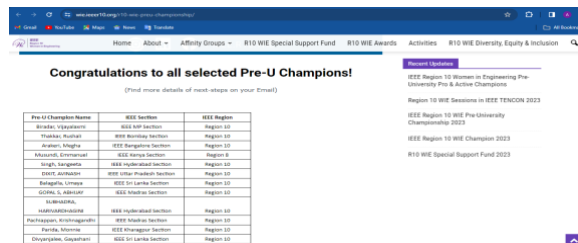
1. Recognized as IEEE WIE Mentor Institute



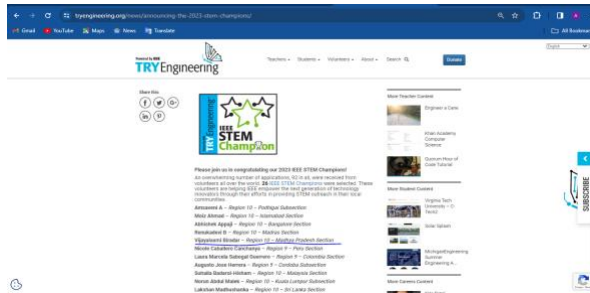
2. Selected as organizers to host IEEE WIE ILS 2023, Raipur



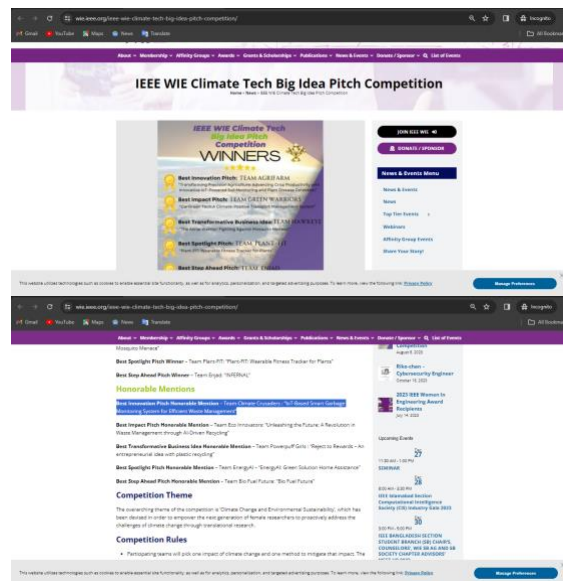
3. Selected as IEEE Pre University Champion:



4. Selected as IEEE STEM Champion



5. Best Innovation Pitch Honorable Mention in IEEE WIE Climate Tech Big Idea Pitch Competition



6. MP section, Gujrat Section & Delhi Section won \$150 under Green Tech Innovation Challenge at IEEE R10 Section Chapter Symposium at Goa.



7. MP section, was awarded 2022 Region 10 Best Membership Growth Medium Section Award

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

- Newsletter (name and number of issues in the year)
- As this section is in its early stages, we have recently acquired a new domain for the section's webpage. While our primary website www.ieemp.org is functional, the entire site is currently undergoing maintenance. We have the following information on our website:

About MP Section; About IEEE; Office Bearers; Execom Members; Student Branches; Student Chapters; Student Affinity Groups; How to form a student branch; Membership; Activities; Young Professionals; Newsletter; Annual report etc.

- Other means of contacts with Section members including social media
- <https://www.linkedin.com/company/ieee-mp-section/>

B.8 Industry Relations

- **Membership growth and retention**

- Activities for/with industrial members

S.No	Title of Event	Date of Event
01	Industry academia engagement workshop	31-10-2023
02	Expert talk by Industry expert to the Student branch	06 th Nov 2023

B.9 Humanitarian Technology Activities

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

List of Activities

S.No	Title of Event	Date of Event
01	Funding Opportunities on Humanitarian Projects to Meet SDG's through IEEE	23 rd February 2023
02	Talk on "Funding Opportunities on Humanitarian Projects to Meet SDG's through IEEE" to IEEE Vizag Section	4th August 2023
03	Smart Garbage Monitoring System	3 rd to 7 th Oct 2023
04	Best Out of Waste Workshop	10 th to 12 th May 2023
05	Aarambh'23 was a social initiative aimed at engaging a large number of students from unprivileged schools, offering them career guidance and introducing them to the realm of science through experiments and engaging games.	09/09/23

- **SIGHT Activities**

B.10 Community Activities

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

S.No	Title of Event	Date of Event
01	IEEE PELS Day celebration 2023	01-07-2023
02	IEEE day celebrated at different student branches of the section and affinity group	03-10-2023
03	PELS DL on Wide Bandgap (WBG) Power Electronics Systems for Heavy-Duty Vehicles	30-12-2023

PART C - OTHERS

C.1 Special Events

- Please briefly describe the importance of special events and the outcomes achieved
Organised sensitizing workshop in Engineering institute with project display on the eve of IEEE day and good attendance of projects was seen. This event sensitized the institute and two student branches were opened. One is already on the role (ITM University) and other is filing the petition
- Funding secured from the IEEE and external sources including sponsorships
From IEEE Student chapters and societies have secured many projects and good amount has been received some of the names are: IIT Indore, IIIT Raipur, etc
Conference sponsorship amount has been secreted by which section's operational expenditure has been done.

PELS DL on Wide Bandgap (WBG) Power Electronics Systems for Heavy-Duty Vehicles	30-12-2023
---	------------

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

• Nature of relationship and details of any formal agreement signed
MOU has been executed for joint collaborations (events, courses and conferences) with the following No profit organizations

1. IETE Gwalior
2. Machine Intelligence Research Labs, Gwalior
3. Soft Computing Society, Delhi
4. Rajkiya Engineering College Sonbhadra

- Details of joint activities
04 International conferences were organized with IETE Gwalior and MIR Labs
01 Conference was organized with Soft computing society
04 Student activities were organized with these organization
- Benefit to IEEE members (for example discounts, access to technical information etc.)
IEEE members were given benefit in registration fee and were considered for technical quality assurance of the conferences
- Benefit to Section (for example help in membership development, venue facilities, cost saving etc.)
Section was in benefit in terms of funding support and was able to get 03 student branches in the section due to this collaborations.

C3. Collaboration with other IEEE Sections

- Support extended to neighboring Sections
Orgnaised three conferences with IEEE UP Section at REC Sonbhadra, Ashoka institute and Buddha Institute Gorakhpur
- Joint activities with any other Section
Sensor council is being initiated with Pune section

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

- Support extended for organising technical, educational and professional activities
 1. Madhya Pradesh section does not have any sub section
 2. CS Society was funded for organizing events like IEEE day
 3. 04 chapters were funded for various activities
 4. Student branches at ABV IITM Gwalior, IES Bhopal, IIT Bhopal, and IIT Indore branches were funded to organize events at IEEE Day
- Joint activities for membership development
Yes 03 events were organized for improving membership numbers
- Support extended for the formation of a Sub-section or transition of a Sub-section into a full Section
Not Applicable

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

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

No major project has been undertaken

D.2 Goals and Future Plans

In coming year 2024, the following goals and plans have been envisaged:

1. increasing corporate and student members
2. increasing student branches in the section
3. Retaining the already members and Student branches
4. Starting community activities to spread IEEE humanity goals
5. Increasing financial support by industry partners

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

1. organizing sensitization events for retaining membership
2. organizing events in schools for future prospective members
3. organizing events like conferences, seminars and workshops in engineering institutes and other places to let IEEE be known in the areas of low visibility

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

Section has envisaged business plan to have sustainable growth as per below:

1. Organising academic events with financial contributions and savings to be used for operational funds of the section
2. Organizing section flagship conference and savings to be used as operational funds
3. Donations from industry and individuals
4. Other such activities by which funds can be managed for the section.

Aeromodelling workshop for Girl Students from Government School



17th & 18th March 2023

Funding Received: R10 WIE



Kalinga University, Raipur



Glimpses of Activities



IEEE WIE ILS 2023, Raipur



25th & 26th August 2023



Hotel Babylon Capital, Raipur



Glimpses of Activities



IEEE MANIT STUDENT BRANCH
INTERNATIONAL STUDENTS' CONFERENCE
SCEECS 2023 KEY NOTE SPEAKER

FROM FASHION TO FOOTBALL : AN AI JOURNEY
 UNDERSTANDING HOW AI, ML AND DATA SCIENCE ARE
 TRANSFORMING BUSINESSES WITH REAL LIFE USE CASES
 FROM THE PRACTITIONER

- Revolutionising businesses through AI, ML and DS.
- CDO at OneFootball, Ex-CDO at FARFETCH London
- 30+ years of experience in leading top IT-Firms
- MANIT & University of Victoria Alumnus
- Gold medal recipient, MACT 1991

MR. KSHITIJ KUMAR
 CHIEF DATA OFFICER
 ONEFOOTBALL

DATE : 18 FEB
TIME : 10 AM
CIVIL AUDITORIUM

CONTACT US : DEVANSH : 7302489729 | VIDUSHI : 7409452026

SCAN TO REGISTER



Glimpses of Activities



IEEE PELS Day Celebration 2023



Awards/ Recognitions/ Achievements



IEEE India Council Award- Technologist of the Year

Awards/ Recognitions/ Achievements



Outstanding Branch Chapter Advisor Award

