

## About IEEE MP Section

The IEEE Madhya Pradesh Section, established in 2021 as a full section under the R10, covers Madhya Pradesh and Chhattisgarh. It has grown to include over 25 Society Chapters and 150 Student Branches. Committed to advancing technology and professional development, it actively engages students, researchers, and professionals through conferences, workshops, and expert talks. Supporting initiatives like Young Professionals, WIE, and SIGs, the section fosters innovation and contributes meaningfully to the global IEEE community.

It emphasizes interdisciplinary collaboration and knowledge sharing across academia and industry. The section also promotes entrepreneurship, leadership, and community service among its members. Strategic partnerships with institutions and industries further amplify its outreach. With a focus on emerging technologies, it continues to inspire the next generation of engineers and innovators.

## About ABV-IIITM IEEE Student Branch

The IEEE Student Branch at ABV-IIITM Gwalior is an active and innovative platform that empowers students in engineering, technology, and management. It regularly conducts technical workshops, expert lectures, hackathons, and social outreach programs to build both technical expertise and community awareness. The branch promotes student participation in global IEEE activities and initiatives such as Young Professionals and Women in Engineering.

In 2024, the branch was recognized as the Best Student Branch by the IEEE India Council for its excellence in student engagement and technical contributions. It also supports various IEEE Society Chapters, including the Antennas and Propagation Society (APS) Chapter, Electronics Packaging Society (EPS), and MTT-S: IEEE Microwave Theory and Technology Society fostering specialized learning. With strong faculty mentorship and enthusiastic student leadership, the branch continues to inspire innovation, leadership, and collaboration.



**ABV-IIITM IEEE Student Branch (IEEE STB11474) Executives 2024**

## FEATURED IN THIS EDITION

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3. Hardware Workshop
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## Message from the Branch Counsellor

**DR. SOMESH KUMAR**

Dear Readers,  
It gives me immense pleasure to present the first edition of the IEEE ABV-IIITM Student Branch Newsletter.

This milestone reflects the collective dedication, innovation, and enthusiasm of our vibrant student community. As the Counsellor of this dynamic branch, I have had the privilege of witnessing the incredible growth and achievements of our students, who continue to push the boundaries of learning and leadership. The IEEE Student Branch at ABV-IIITM is not just a platform for technical activities but a space that nurtures curiosity, collaboration, and creativity. Through expert talks, workshops, competitions, and outreach programs, we aim to foster a spirit of innovation and social responsibility. I congratulate the entire editorial team for bringing this initiative to life and creating a medium to share our journey, milestones, and vision with a wider audience.

Let this newsletter serve as a source of inspiration and a record of the impactful work being done by our student members. I look forward to seeing this platform grow and evolve with each edition, showcasing the best of what IEEE and ABV-IIITM have to offer.



# MESSAGE FROM OUR LEADERS

## Indresh Patel, Chairperson

It is an honor to address you as the Chairperson and lead the IEEE Student Branch at ABV-IIITM Gwalior, a community committed to innovation, learning, and collaboration. We have organized impactful events like IATMSI, Battlezone, and the Agra Donation Drive, fostering technical excellence and social responsibility. Moving forward, we aim to strengthen industry ties, hands-on projects, and global collaborations. I extend my sincere gratitude to our members, mentors, and the student community for their unwavering support in driving this vision forward.



## Aditya Kumar Singh, Secretary

Serving as the Secretary of the IEEE Student Branch has been a proud and fulfilling role. Being part of the IEEE Student Branch has been a transformative experience. IEEE gave me countless opportunities and helped me grow personally. It strengthened my leadership and communication skills, especially through organizing national and international events. I'm grateful for the amazing team I worked with and the journey we shared. Thanks to IEEE Student Branch and our faculty coordinator, I've grown into a more confident and capable version of myself.

## Disha, Vice Chairperson

IEEE has been a space for growth, learning, and impactful teamwork. My role as Vice Chairperson has allowed me to help drive initiatives that bring students closer to technology while strengthening our community. Whether it's planning events or mentoring peers, I've witnessed how collaboration and knowledge-sharing fuel progress. The dedication and enthusiasm of our members have been truly inspiring, making every initiative more impactful. I'm eager to see our branch continue to evolve, embrace new challenges, and make a lasting impact.



## Arihant Yadav, Vice Secretary

Being part of IEEE has been an enriching experience, allowing me to support and coordinate initiatives that benefit our student community. As Vice Secretary, my focus has been on fostering engagement and ensuring smooth execution of our events and projects. Working alongside a team of passionate individuals, I've seen firsthand the dedication and creativity that drive our branch forward. I look forward to contributing further to our branch's growth and creating more opportunities for students to thrive.

# IEEE Student Branch Executives 2024



**Indresh Patel**  
Chairperson



**Aditya Kumar Singh**  
Secretary



**Disha**  
Vice Chairperson



**Arihant Yadav**  
Vice Secretary



**Rahul Bansal**  
Web-Advisor



**Jay Kumar Vagairya**  
Treasurer



**Dhrushit Jain**  
Web Master



**Prasun Baranwal**  
Web Operations



**Nishant Dubey**  
Program and Operations



**Rohit Mishra**  
Program and Operations



**Tushar Jawale**  
Program and Operations



**Shivam Deolankar**  
Design



**Shejal Yadav**  
Design



**Aashuti Gambhir**  
Design



# Events Conducted in Phase I

## IOT Workshop

The IEEE Student Branch recently hosted an enriching IoT Workshop for over 200+ participants aiming at enhancing the students' practical knowledge of IoT and hardware applications. To accommodate diverse schedules, the workshop was organized into three phases, each covering identical content. Participants engaged in hands-on Arduino projects, interactive demonstrations, and learning activities led by experienced senior students. The workshop provided a strong foundation in IoT concepts, including sensor integration, data processing, and real-world applications.

Through hands-on experience, students honed their skills in circuit design and programming, boosting their problem-solving abilities and technical confidence. The collaborative format of the workshop created an engaging and impactful learning environment, ensuring a memorable experience for all attendees.

For more information, please visit  
<https://events.vtools.ieee.org/m/464570>



## Cybersecurity Workshop

The Cybersecurity workshop, led by a cybersecurity expert, featured interactive sessions on real-world attack vectors and defense mechanisms, ensuring all the 150+ participants grasped complex concepts effectively. To apply their learning, participants engaged in a hands-on Capture The Flag (CTF) challenge, solving cybersecurity problems using analytical and problem-solving skills. Successful participants were recognized for their achievements.

A quiz competition further assessed participants' understanding, rewarding the top three performers with cash vouchers to encourage engagement. The event concluded with a discussion on cybersecurity awareness and the role of professionals in protecting digital infrastructure. The IEEE Student Branch reaffirmed its commitment to hosting technical events that equip students with industry-relevant knowledge and skills.

For more information, please visit  
<https://events.vtools.ieee.org/m/467972>



## IEEE - IATMSI 2025

The IEEE IATMSI-2025 Conference, held from March 6-8 by the IEEE Student Branch at ABV-IIITM Gwalior, brought together 500+ participants and experts from 37 countries to explore the intersection of technology and management for social innovation. The hybrid format of the conference ensured inclusive participation, featuring insightful research presentations on smart technologies, sustainability, and innovative management strategies.

The event showcased keynote speeches, engaging panel discussions, and hands-on workshops, fostering collaboration and mentorship among participants. Selected papers were published in IEEE Xplore, amplifying the academic impact of the conference. Thanks to the strong support from faculty, volunteers, and sponsors, IATMSI-2025 successfully marked a significant milestone in interdisciplinary research, setting a promising foundation for IATMSI-2026.

For more information, please visit  
<https://events.vtools.ieee.org/m/476885>



## Orientation Meet 2025

The IEEE Student Branch recently hosted a warm and welcoming Orientation Meet 2025 for the newly selected IEEE SB members, bringing together over 50+ members. This event is annually conducted to help freshers connect with seniors, past executives, and fellow IEEE members in an engaging and friendly atmosphere.

The event featured interactive team activities, and insightful discussions with current and past executives who shared their journeys, experiences, and the countless opportunities IEEE SB offers. Freshers had the chance to ask questions, seek guidance, and gain valuable insights into the branch's initiatives, fostering a sense of belonging and motivation.

With a blend of fun, learning, and networking, the Welcome Meet set the stage for an exciting journey ahead, inspiring participants to actively engage in future IEEE SB events and technical endeavors.

For more information, please visit  
<https://events.vtools.ieee.org/m/479390>



## ABV-IIITM IEEE SB HIGHLIGHTS

- Honored with the Outstanding Student Branch Award 2024 by the IEEE India Council
- Highest Number of events conducted in last two years
- Dedicated office for IEEE student branch in ABV-IIITM, Gwalior
- 22 IEEE Graduate Members
- 28 IEEE Student Members
- 19 IEEE Senior Members
- 20 IEEE Professional Members
- 1 IEEE Fellow
- Total 80 active IEEE Members in campus
- Honored with the Best Upcoming Student Branch Award 2024 under IEEE MP Section
- Dedicated website : <https://ieee.iiitm.ac.in>

## UPCOMING EVENT



### HACKSAGON 2025

Hacksagon 2025, the flagship hackathon by the IEEE Student Branch of ABV-IIITM Gwalior, kicked off in January and is being conducted in three stages. With over 2000 participants across 530+ registered teams in Round 1, the event has already seen tremendous engagement. This round concluded successfully on 28th March 2025, focusing on ideation and problem-solving around real-world challenges.

The hackathon features Software and Hardware + Software tracks, each with five sub-tracks to encourage interdisciplinary innovation. The final round, scheduled from 9th to 12th May 2025, will bring top teams together to present their prototypes, competing for prizes worth over ₹2.5 lakhs and opportunities beyond the competition.

## IEEE SOCIETIES CHAPTERS



## EDITORIAL

**Shivam Deolankar (IMT-2023)**  
IEEE SB Design Executive

**Piyush Dutt (BCS-2024)**  
IEEE SB Design Member