EVENT REPORT

Resume Building Workshop using AI

Organizing Body	IEEE Student Branch, R. H. Sapat College of Engineering
Department	Electronics & Telecommunication Engineering (ENTC)
Organized By (BE ENTC)	Tushar Pawar Laulik Ingale Mehul Katakiya Shrutika Mehendale
Target Audience	SE ENTC & TE ENTC Students
Venue	Seminar Hall, R. H. Sapat College of Engineering, Nashik
Date	April 16, 2025
Nature of Event	Interactive Workshop / Seminar

1. Introduction

In today's highly competitive academic and professional landscape, equipping students with the right career tools is of paramount importance. With this vision, the IEEE Student Branch of R. H. Sapat College of Engineering organized an interactive Resume Building Workshop using Artificial Intelligence for the students of Second Year (SE) and Third Year (TE) of the Electronics and Telecommunication Engineering (ENTC) department.

The workshop was conceptualized and delivered by four senior students of the Final Year BE ENTC program — Tushar Pawar, Laulik Ingale, Mehul Katakiya, and Shrutika Mehendale — fostering a peer-learning environment that encouraged open discussion and practical guidance. The session was held at the Seminar Hall of R. H. Sapat College of Engineering and covered a comprehensive range of topics crucial for students at this stage of their academic journey.

2. Objectives of the Workshop

The primary objectives of the workshop were:

- To educate students on the significance of a well-crafted resume in securing academic and professional opportunities.
- To provide a hands-on experience of building a resume from scratch — first by hand on paper, then using AI tools — so every student leaves with a ready resume.
- To introduce AI-powered tools and platforms such as Overleaf for creating professional, ATS-friendly resumes.
- To guide students on choosing meaningful projects that align with industry expectations.
- To provide insights into interview preparation strategies, aptitude assessments, and soft skills.

- To inform students about higher studies opportunities, government jobs, and competitive examinations.
- To highlight the importance and scope of the GATE (Graduate Aptitude Test in Engineering) examination.

3. Session Overview

The workshop was structured as an interactive and student-friendly session. The following topics were systematically addressed:

3.1 Importance of a Resume

The session commenced with a detailed discussion on what a resume represents and why it is the first and most critical document in any job or academic application. The student mentors explained in a simple, friendly, and relatable manner how a resume serves as a candidate's first impression. The difference between a generic resume and a tailored, impactful resume was highlighted through examples.

3.2 Importance of Projects in the Industry

Students were briefed on how industry recruiters and selection panels evaluate candidates not merely on academic scores but on their practical project experience. The speakers discussed how to choose the right project domain, how to align projects with current industry trends, and how to effectively present project work on a resume. The value of open-source contributions, GitHub profiles, and documented project outcomes was also discussed.

3.3 Hands-on Resume Building Activity

One of the most distinctive and impactful elements of the workshop was a structured two-phase resume building activity designed to help students understand the entire journey from raw information to a polished, professional document.

In the first phase, all participating students were asked to write their resume by hand on paper. This exercise was intentionally designed to encourage students to reflect on their academic achievements, skills, projects, and extracurricular activities without the distraction of templates or formatting tools. Writing a resume by hand compelled each student to think critically about what information is truly relevant and how to prioritize it — a foundational skill in resume crafting.

In the second phase, students were guided to use AI-powered tools to digitize and transform their handwritten resumes into fully formatted, ATS (Applicant Tracking System) friendly documents. The AI tools helped automatically structure the content, suggest appropriate keywords for their domain, improve language and tone, and ensure the resume met industry standards. This two-phase approach provided students with a clear before-and-after perspective, demonstrating the transformative role of AI in career preparation.

By the end of the workshop, every student had successfully prepared their own personalized, ATS-friendly resume — a tangible and immediately usable outcome they could take away from the session. This hands-on deliverable was one of the most celebrated aspects of the workshop, as participants left with a real, ready-to-use professional document.

3.4 Use of Overleaf for Resume Making

Overleaf, a cloud-based LaTeX editor, was introduced as a professional tool for creating elegant, well-formatted resumes. The student presenters demonstrated how to use pre-existing IEEE and academic resume templates on Overleaf, making the process straightforward even for students unfamiliar with LaTeX. The advantages of LaTeX formatting — precision, consistency, and professional aesthetics — were highlighted.

3.5 Interview Preparation

The workshop included guidance on how students can systematically prepare for technical and HR interviews. Key aspects covered included: structuring answers using the STAR (Situation, Task, Action, Result) method, understanding common technical interview formats in the core electronics and software domain, and tips for online assessments. Mock interview scenarios were briefly discussed to familiarize students with the process.

3.6 Aptitude Preparation

Students were advised on strategies to tackle aptitude rounds that are common in campus recruitment and competitive exam processes. Resources, recommended study approaches, and time management tips were shared. The session stressed the importance of regular practice in quantitative aptitude, logical reasoning, and verbal ability.

3.7 Higher Studies Opportunities

The workshop addressed the growing interest among engineering students in pursuing post-graduate education. Opportunities such as M.Tech, M.S., MBA, and specialized diploma programs — both in India and abroad — were discussed. The presenters shared information about entrance examinations, scholarship options, and how to approach the selection process strategically.

3.8 Government Job Opportunities and Examinations

A dedicated segment was devoted to informing students about government sector opportunities available to ENTC graduates. Relevant public sector undertakings (PSUs), central and state government departments, and defense organizations were highlighted. The eligibility criteria, selection procedures, and timelines for major government examinations were outlined.

3.9 Importance of the GATE Examination

The Graduate Aptitude Test in Engineering (GATE) was emphasized as a gateway to multiple high-value opportunities — M.Tech admissions at IITs and NITs, PSU recruitment, research fellowships, and a competitive edge in higher studies abroad. The session demystified the GATE syllabus for the ENTC stream and provided an overview of preparation strategies and resources. Students were encouraged to start early and treat GATE as a long-term investment in their careers.

4. Participation and Engagement

The workshop witnessed enthusiastic participation from students of SE and TE ENTC. The peer-to-peer format of the session — where senior BE students presented the content — created a comfortable and interactive

atmosphere. Students actively engaged with the presenters through questions, discussions, and real-time demonstrations. The interactive nature of the event significantly enhanced knowledge retention and practical understanding.

5. Outcomes and Impact

The workshop successfully achieved its intended objectives. The key outcomes include:

- Every participating student left the workshop with a personally crafted, AI-generated, ATS-friendly resume — a ready-to-use professional document.
- The two-phase activity (handwritten resume followed by AI-assisted digital version) gave students a clear and practical understanding of the resume building process.
- Students gained a clear understanding of how to build a professional, AI-optimized resume using tools like ChatGPT and related AI assistants.
- Awareness about Overleaf and LaTeX-based resume formatting was significantly improved.
- Students received practical guidance on project selection and presentation from an industry perspective.
- The importance of aptitude preparation and interview readiness was reinforced.
- A broader awareness of career pathways — government jobs, higher studies, and GATE — was cultivated among junior students.
- The peer-mentorship model fostered confidence and motivated SE and TE students to proactively plan their careers.

6. Conclusion

The Resume Building Workshop using Artificial Intelligence was a well-organized, impactful, and student-centric event. The initiative by BE ENTC students — Tushar Pawar, Laulik Ingale, Mehul Katakiya, and Shrutika Mehendale — exemplified the spirit of peer learning and knowledge sharing that defines a progressive academic community. By integrating AI tools into career preparation, the workshop not only made the process more accessible but also more aligned with the demands of the modern professional world.

A particularly commendable aspect of this workshop was the hands-on resume building activity, where students first drafted their resumes by hand and subsequently used AI to generate ATS-friendly digital versions. This ensured that every attendee walked away with a concrete, professionally crafted resume — a truly meaningful and lasting outcome. The IEEE Student Branch of R. H. Sapat College of Engineering acknowledges the efforts of all the organizing students and expresses appreciation to the participants for their active involvement. Such initiatives will continue to be organized to bridge the gap between academic learning and career readiness.

7. Acknowledgement

We express our sincere gratitude to the faculty coordinators and IEEE Student Branch advisors of R. H. Sapat College of Engineering for their constant support and encouragement. We extend special appreciation to the student organizers — Tushar Pawar, Laulik Ingale, Mehul Katakiya, and Shrutika Mehendale (BE ENTC) — who voluntarily dedicated their time, knowledge, and expertise to design and deliver this impactful session. We also thank the SE and TE ENTC students for their enthusiastic participation and for embracing the hands-on activities with great sincerity.


GPS Map Camera
Nashik, Maharashtra, India
2q35+qhv, Krishi Nagar, Nashik, Maharashtra
422005, India
Lat 20.004251° Long 73.758928°
Thursday, 16/04/2026 11:43 AM GMT +05:30
Google


GPS Map Camera
Nashik, Maharashtra, India
2q35+qhv, Krishi Nagar, Nashik, Maharashtra
422005, India
Lat 20.004272° Long 73.758891°
Thursday, 16/04/2026 11:43 AM GMT +05:30
Google


GPS Map Camera
Nashik, Maharashtra, India
2q35+qhv, Krishi Nagar, Nashik, Maharashtra
422005, India
Lat 20.0043° Long 73.75883°
Thursday, 16/04/2026 11:05 AM GMT +05:30
Google


GPS Map Camera
Nashik, Maharashtra, India
2q35+qhv, Krishi Nagar, Nashik, Maharashtra
422005, India
Lat 20.004278° Long 73.75889°
Thursday, 16/04/2026 11:43 AM GMT +05:30
Google


GPS Map Camera
Nashik, Maharashtra, India
2q35+qhv, Krishi Nagar, Nashik, Maharashtra
422005, India
Lat 20.004225° Long 73.758902°
Thursday, 16/04/2026 11:17 AM GMT +05:30
Google


GPS Map Camera
Nashik, Maharashtra, India
2q36+x4m, Krishi Nagar, Nashik, Maharashtra
422005, India
Lat 20.005943° Long 73.760874°
Thursday, 16/04/2026 12:19 PM GMT +05:30
Google