Electrolitz Students' Society

Orientation of Third-Semester Students

Date: 20/9/2024

The Electronics Engineering Department of Ramdeobaba University conducted an orientation program on September 20, 2024, to welcome third-semester ECS students. The event aimed to familiarize students with the department, faculty, available resources, and essential guidelines, ensuring they have a clear understanding of the academic and professional expectations.

Department Overview

The program commenced with a presentation by Dr. N. P. Narkhede, Head of the Department, who provided an in-depth overview of the department's vision, mission, courses, faculty, research areas, and academic structure. He also detailed the department's infrastructure, including laboratories, research centers, and the library, offering insights into the resources available for academic and research purposes. Additionally, he explained the college's Code of Conduct, covering academic integrity, attendance policies, examination guidelines, and general behavioral expectations, ensuring students understand the importance of maintaining a disciplined learning environment.

Academic Guidelines

Dr. D. M. Kotambkar, the Academic Coordinator, briefed students on attendance requirements and the academic calendar, outlining month-wise academic activities at the institute level.

Department Examination Cell (DEC)

Dr. G. A. Mornakar, DEC Incharge, introduced students to the assessment processes for both theory and practical examinations, clarifying the grading system to ensure transparency in academic evaluation. She also encouraged students to strive for excellence by highlighting incentives for outstanding performance. Additionally, Dr. Mornakar emphasized the department's commitment to inclusivity, outlining provisions designed to support both slow and fast learners, ensuring an equitable academic environment.

Student Internships

Prof. A. R. Tiwari, Internship Coordinator, discussed the AICTE-mandated 6-8 week industry/research internships, designed to enhance students' employability. She provided insights into various internship opportunities, including online platforms such as Eduskills, and emphasized the importance of both virtual and on-site industry experiences. Furthermore, she highlighted research internship opportunities within the Electronics Engineering Department and the Center for Microsystems, allowing students to engage in advanced research under faculty mentorship. Additionally, she informed students about the extended six-month internship option for final-year students, which offers deeper industry or research exposure. Prof. Tiwari stressed the extensive availability of internships through various departments and the Center of Excellence, encouraging students to seize these opportunities for professional growth.

Career Development and Placement Cell (CDPC)

Prof. S. R. Pandey, CDPC In-charge, provided students with a comprehensive understanding of career preparation strategies. He emphasized key factors for securing campus placements, including maintaining a strong academic record, developing a diverse skill set, gaining hands-on experience through internships and projects, and refining communication skills. Additionally, he encouraged students to actively participate in career development activities such as mock interviews and aptitude tests to enhance their readiness for the competitive job market. He also elaborated on CDPC's role in bridging students with potential employers through job fairs, workshops, and training sessions, reinforcing the department's commitment to students' career advancement.

Student Societies and Clubs

Prof. S. V. Laddha, Students' Society Incharge, introduced students to the dynamic extracurricular landscape at the institution. He highlighted the Electrolitz Students' Society, which organizes technical events, sports competitions, and various co-curricular activities. Additionally, he introduced professional chapters such as IETE (Institute of Electronics and Telecommunication Engineers) and IEEE (Institute of Electrical and Electronics Engineers), which offer networking opportunities, skill development, and industry engagement. Prof. Laddha also discussed national-level project competitions and coding challenges, emphasizing the department's focus on cultivating students' technical and problem-solving skills.

The orientation program provided new students with a holistic understanding of the department, its faculty, academic framework, and extracurricular opportunities. Beyond imparting essential information, the event served to inspire and motivate students, equipping them with the knowledge and resources necessary for excelling in the field of Electronics and Computer Science.
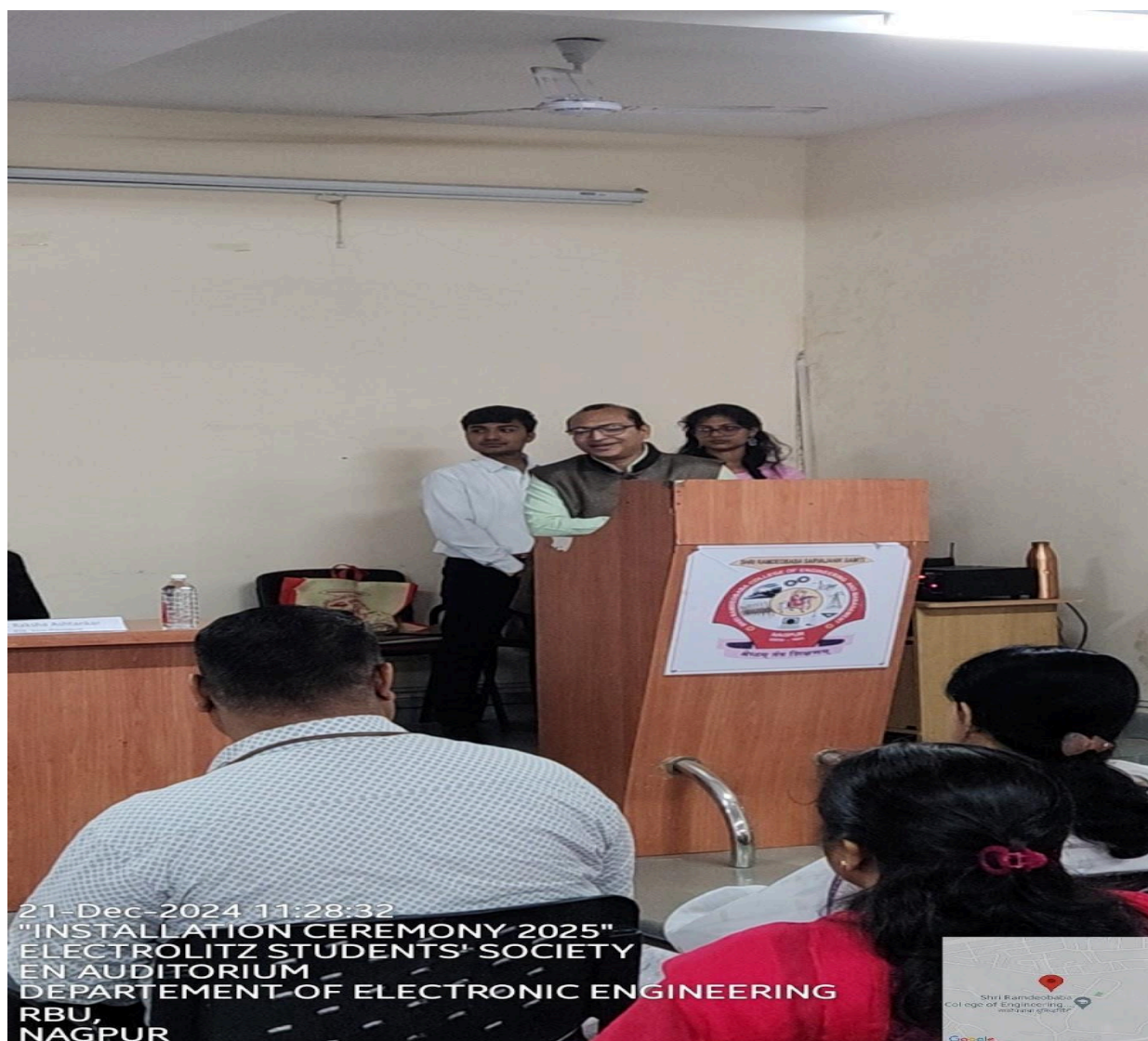
Installation Enthrone (2024-25)

A new executive body of Electrolitz, Student's Society of Electronics Engineering, Ramdeobaba University was installed on 21st December 2024 for the year 2024-25. Mr. David Raju, Head - Human Resources at Dassault Reliance Aerospace, Nagpur, was the Chief Guest and keynote speaker for the function.

The event commenced with Saraswati Vandana, followed by the anchors highlighting the Department's achievements. The anchors Ms. Shubhra Sahu and Mr. Aditya Kahale from 2nd yr ECS gave the introduction of Electrolitz Student's Society, its vision and mission. This was followed by Mr. Hrushikesh Purohit, President, Electrolitz Society addressing the gathering where he briefed the audience about the various activities conducted by Electrolitz society like technical events namely ENTRIX, ENNOVATE etc. and also about the Branch Cup and Electrolitz society's approach to get it. He also mentioned the activities carried out under SEVA DISHA cell- a social wing of the society. Head of the Department, Dr. Nitin Narkhede in her address, highlighted some of the prominent achievements of the department and motivated the students to strive for technical as well as co-curricular excellence.
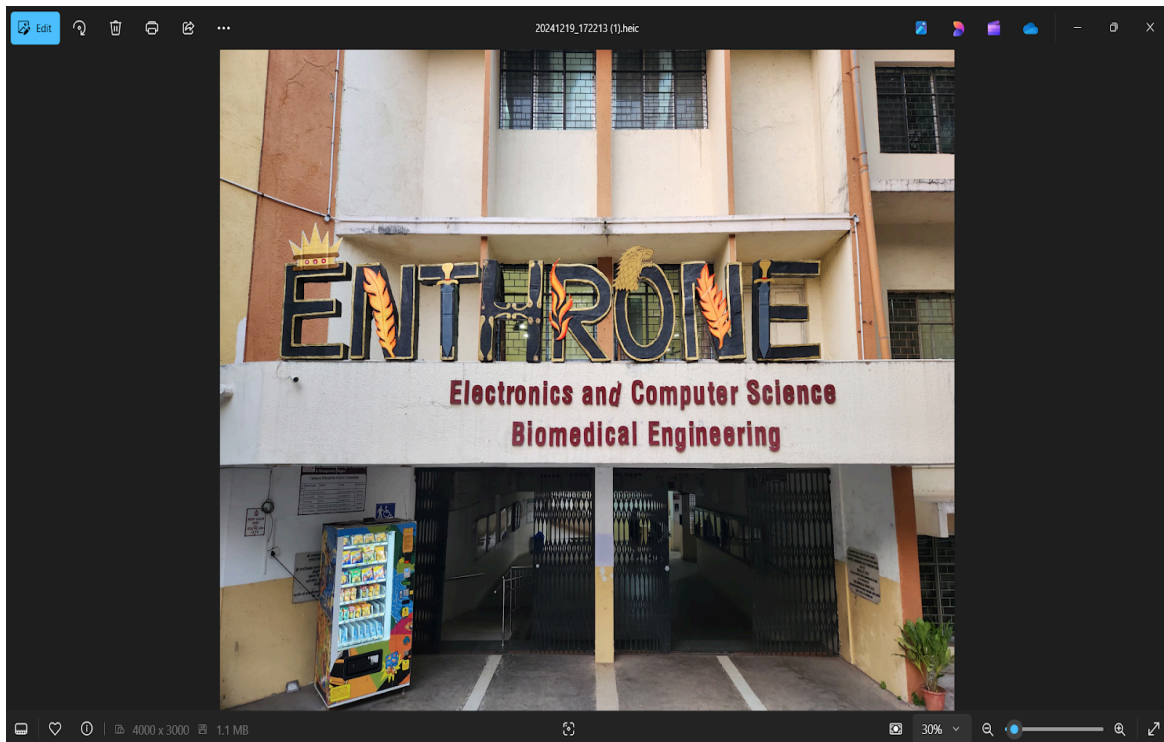
The Chief Guest of the function Mr. David Raju, inaugurated the official annual magazine of the Electronics Engineering Department, ENSPIRE'17 consisting of write-ups from departmental clubs and cells, various articles and artwork by students. In his address to the students, Mr. Raju provided an overview of his role at Dassault Reliance Aerospace in Nagpur, outlining the company's vision. He encouraged the students to consider entrepreneurship as a path to independence rather than solely pursuing employment.

Prof. Vishal Rathee and Prof. Snehal Laddha – Convener ENTHRONE, Prof. and other faculty members of Electronics Department were present to express their gratitude towards the chief guest for his time as well as to motivate and appreciate the students.

21-Dec-2024 12:21:19
"INSTALLATION CEREMONY 2025"
ELECTROLITZ STUDENTS' SOCIETY
EN AUDITORIUM
DEPARTEMENT OF ELECTRONIC ENGINEERING
RBU,
NAGPUR

One of the highlights of *ENTHRONE 2024-25* was the *Twinning Day*, organized to foster unity and camaraderie.

Each section participated enthusiastically by coordinating their attire in a single color, symbolizing their unity and collective spirit. To add an engaging twist, an aptitude quiz round was conducted on the same day, testing the students' knowledge and quick thinking.

Cultural Night was a grand event held on the evening of 21st December 2024, celebrating the vibrant spirit and talent of the students. Among the highlights of the event, III semester Section A emerged as the best section, an accolade earned through their outstanding performance across various parameters. These included active participation in multiple events, consistent academic excellence, commendable achievements in extracurricular activities, and an impressive showing in the aptitude test conducted during the event. This recognition underscored the hard work and dedication of the students and faculty alike.

The *Mr. and Mrs. EN* competition added excitement to the celebrations. After initial rounds, the shortlisted students showcased their unique skills in a one-minute performance. This was followed by an interactive Q&A session with faculty members, where students impressed with their wit, confidence, and charm. The winners were felicitated for their exceptional performances, adding to the competitive spirit of the event.

A special mention was given to the department's alumni who attended the event. These alumni, who are now excelling in various professional domains, shared their experiences and

were felicitated by the faculty. Their presence added immense value to the event, inspiring current students with their success stories.

The event was met with an overwhelming response, with more than 180 attendees present, contributing to the lively and energetic atmosphere. A series of captivating performances added to the charm of the evening. A magnificent fashion walk stole the show, showcasing the creativity and confidence of the participants. Multiple dance performances, ranging from traditional to contemporary styles, kept the audience enthralled, while soulful music performances created an immersive auditory experience that resonated with everyone present.

Electrovision - II

January 18, 2025

The Electrolitz Student Society of the Electronics Engineering Department, Ramdeobaba University, in collaboration with the Embedded Club, organized Electrovision - II, a hands-on event aimed at introducing school students to the field of electronics and embedded systems. This event was conducted at Kesarimal Nagar Vidyalaya and Late Sau Ramabai Wazurkar Nagar Jr. College, Sindi Rly, Tah. Seloo, Dist. Wardha, targeting students from grades 8 and 9. The event aimed to provide practical exposure to electronic components and projects, making learning interactive and engaging.

The event commenced at 12:00 PM, with the presence of faculty in-charge Prof. Vishal

Rathee, Prof. Snehal Laddha, and Prof. Gauri Morankar, along with school faculty

coordinator Mr. Gopal Gawai. The session began with an introduction to the Electrolitz Student Society and an overview of the day's agenda.

The technical team, consisting of members from the Embedded Club, took charge of the session by demonstrating various electronics and embedded projects. A total of 8 to 9 projects varying from home automation, Bot building, basic electronics circuits such as rectifier circuit, interfacing of various types of sensors based on Arduino, Node MCU and Raspberry Pi were showcased, covering a broad range of applications. Students were not only introduced to the concepts but also encouraged to engage in hands-on experience with the projects at various demonstration tables.

One of the most exciting moments of the event was a live demonstration of a remote-controlled bot. The bot demonstration showcased real-time control mechanisms, allowing students to understand how wireless communication and embedded systems work together to operate robotic devices. The students were fascinated by the way the bot could navigate different terrains and respond to commands, sparking their curiosity in embedded systems and robotics.

To keep the students engaged, a random quiz was conducted during the event which kept the session interactive and encouraging participation.

Electronics Premier League (ENPL)

The Electronics Premier League (ENPL) was organized on 1st & 2nd February 2025, at the football ground of Ramdeobaba University (RBU) in Nagpur. This much-anticipated event not only brought together a diverse group of participants of ENCS & BIO-MED branches but also fostered an atmosphere of enthusiasm and collaboration that resonated throughout the tournament.

Kicking off the excitement, an auction was conducted on 24th January 2025 setting the stage for the fierce competition that followed. Captains of the 12 participating teams engaged in a lively bidding war to assemble their squads, each driven by the goal of crafting the ultimate team. The auction was skilfully overseen by Electrolitz Society members. Notable highlights of the auction included the remarkable purchases of Harish Kumar and Piyush Tayde, the highest-paid male players, and Shreya Barde, the highest-paid female player.
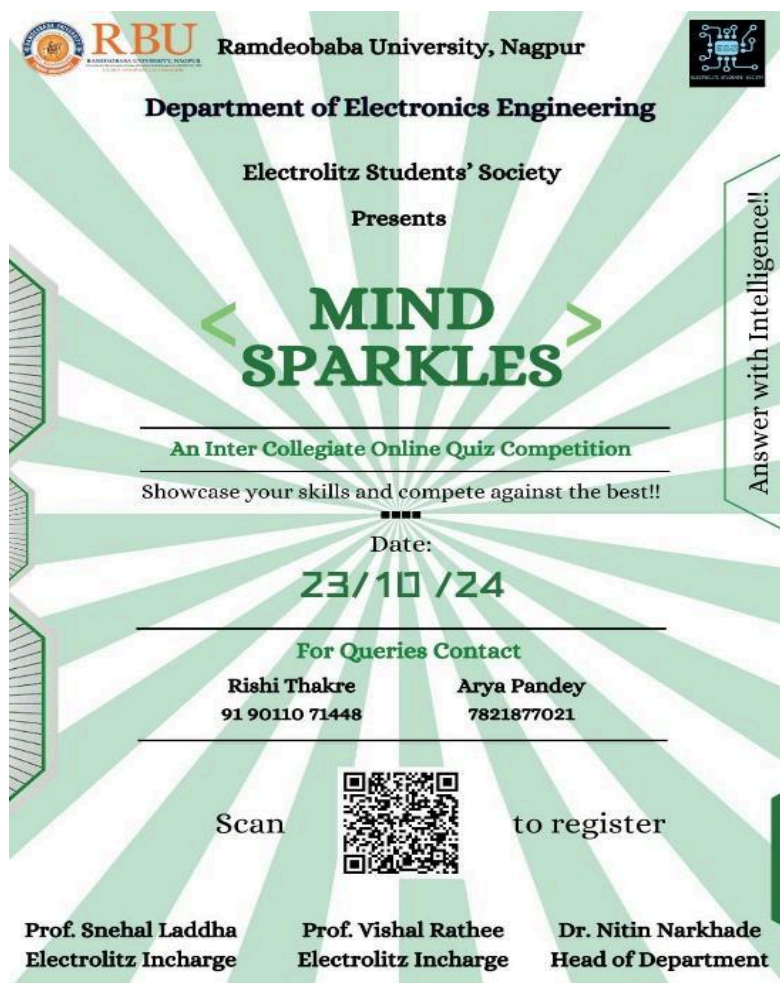
ENPL-25 saw an unprecedented number of registrations of over 200+ people, out of which 154 players, both male and female, were selected to participate. On 1st February 2025, the matches started as players showcased their skills, determination, and strategic prowess. The first day was packed with action as there were four intense matches between eight teams successfully conducted. The second day 2nd Feb. began with great enthusiasm, accompanied by energizing music that added to the excitement. As the day progressed, two standout teams emerged as finalists—Daredevils and Rising Titans out of which Daredevils fell short of the target, leading to Rising Titans claiming the title of gold medallists, while Daredevils secured the runner-up position.

The event concluded on a high note, with smiles and cheers filling the air as participants and attendees shared in the joy of a successful and memorable tournament. Overall, the event was a thrilling and enriching experience, offering invaluable lessons in organization, teamwork, time management, and leadership.

"MIND SPARKLE" An Online Quiz Contest

The Electrolitz Student's Society of the Department of Electronics Engineering, RCOEM, successfully hosted Mind Sparkle, a national-level quiz competition, on October 23, 2024. Held online, the event attracted around 100 participants from colleges across India. The quiz was held from 5pm onwards. It featured two challenging rounds designed to test participants' knowledge in science, technology, current affairs, and general knowledge. With an engaging atmosphere and intense competition, the event provided an excellent platform for intellectual growth and collaboration.

Ramdeobaba University, Nagpur

Department of Electronics Engineering

Electrolitz Students' Society

Presents

MIND SPARKLES

An Inter Collegiate Online Quiz Competition

Showcase your skills and compete against the best!!

Date:

23/10/24

For Queries Contact

Rishi Thakre
91 90110 71448

Arya Pandey
7821877021

Scan [QR code] to register

Prof. Snehal Laddha
Electrolitz Incharge

Prof. Vishal Rathee
Electrolitz Incharge

Dr. Nitin Narkhade
Head of Department

Answer with Intelligence!!

The final round concluded with the top three winners being felicitated by Dr. Nitin Narkhede, HOD of the Electronics Department. Prathamesh Chikkali of CSE, RCOEM secured the 1st place, followed by Aditya Rahangdale of SB Jain Institute of Technology and Management, Nagpur in 2nd place, and Subodh Rayakwar of CSE, RCOEM in 3rd place. All participants were awarded participation certificates. The event's success showcased the Electrolitz Student Society's dedication to promote intellectual engagement and foster a spirit of healthy competition.
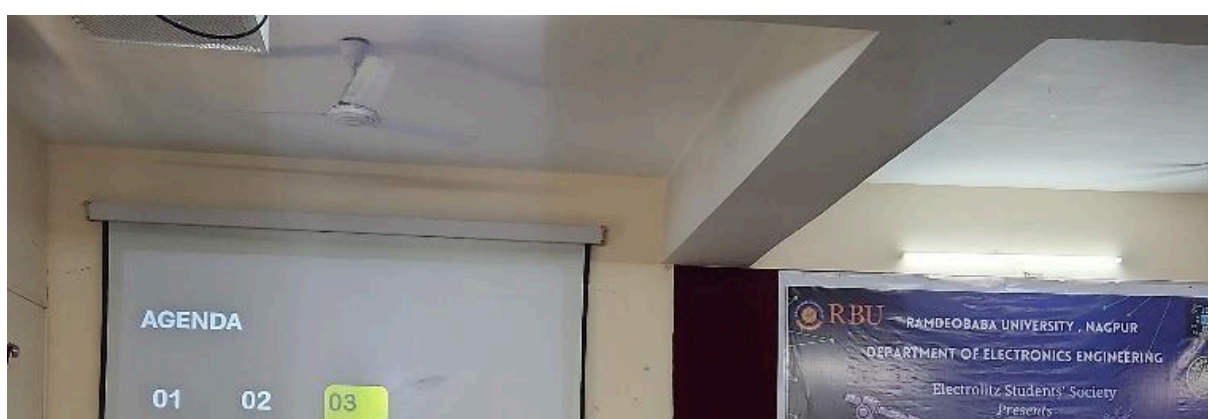
ENTRIX 25

The Electrolitz Students' Society, in collaboration with the **Embedded Club** of Ramdeobaba University, successfully organized **"ENTRIX 25," a two-day technical workshop focused on Jetson Nano technology and hands-on experience**. The workshop was meticulously conducted under the guidance of **Sumit Pandey**, President of the Embedded Club, and **Aneesh Thakre**, Vice-President of the Embedded Club. Their expertise and leadership played a pivotal role in ensuring a well-structured and engaging learning experience for all participants. The event aimed to bridge the gap between theoretical knowledge and practical implementation, providing students with in-depth insights into the cutting-edge applications of Jetson Nano in embedded systems and artificial intelligence.

ENTRIX 25 was designed for second and third-year students, offering them an opportunity to explore the capabilities of Jetson Nano in real-world applications. The workshop covered a wide range of topics, starting with an introduction to Jetson Nano, its architecture, and its applications in AI-driven projects. The sessions included in-depth discussions on edge computing, deep learning frameworks, and optimization techniques for deploying neural networks on embedded hardware.

Participants were engaged in interactive Q&A sessions, where they had the chance to clarify concepts and gain valuable insights from the expert speakers. The workshop also featured real-time project demonstrations, showcasing how Jetson Nano can be used for applications such as object detection, image processing, and autonomous systems. The hands-on experience allowed students to work directly with the Jetson Nano hardware, implementing practical projects under expert supervision. This immersive learning experience empowered

attendees to develop a foundational understanding of embedded AI and its industrial applications.

ENTRIX 25 proved to be a highly successful initiative, equipping students with essential knowledge and practical exposure to Jetson Nano technology. The event not only enhanced participants' technical skills but also fostered a spirit of innovation and problem-solving. The collaboration between the Electrolitz Students' Society and the Embedded Club ensured the seamless execution of the workshop, making it a significant milestone in the university's technical learning landscape. The enthusiastic participation and positive feedback from students highlighted the impact of such initiatives in bridging the gap between academia and industry, paving the way for future advancements in embedded AI technology.

ENNOVATE 25

ENNOVATE'25, a prestigious **National-level project competition**, was successfully organized by the Electrolitz Students' Society at RBU. The event was graced by the presence of **Dr. Niti Narkhede, Head of the Department, Electronics**, along with the Society Convener, **Snehal Laddha** and **Vishal Rathi**, and ENNOVATE Head, **Tanmaya Kale**. Their support and guidance played a crucial role in making this event a grand success.

The event was inaugurated with great enthusiasm by the **Chief Guest, Dr. Ashish Badiye**, Ph.D., Assistant Professor (Senior Grade) & Former HOD, Department of Forensic Science, Government Institute of Forensic Science, Nagpur. His motivational words inspired

participants and attendees, setting the stage for an engaging and intellectually stimulating competition.

ENNOVATE'25 hosted a Project Competition for both UG and Polytechnic students and a Poster Competition for external participants. The Project Competition welcomed entries from students across RBU and various institutions from Nagpur and beyond, while the Poster Competition was exclusively open to participants from outside RBU. During the event the Chancellor and the Principle of RBU have visited for viewing the young innovative ideas and their implementation.

The overwhelming response from participants showcased the immense talent and innovative spirit of young minds. The competition witnessed 10 outstanding poster presentations and an impressive 70 project entries, making it a resounding success.

Winners

1. Hardware Section:
🥇 **1st Place:** Hardik Santoshwar *(Priyadarshani College of Engineering)*
🥈 **2nd Place:** Saumya Diwakar Malokar *(Anjuman Polytechnic, Nagpur)*
🥉 **3rd Place:** Sanket Sonkuwar *(G.H. Raisoni College of Engineering, Nagpur)*

2. Software Section:
🥇 **1st Place:** Ritesh Anil Kriplani *(Shri Ramdeobaba College of Engineering and Management)*
🥈 **2nd Place:** Nikhil Vittal Kandhare *(Government College of Engineering, Yavatmal)*

🥉 **3rd Place:** Kalash Omprakash Gurnule *(G.H. Raisoni College of Engineering and Management, Nagpur)*

Poster Competition

🥇 **1st Place:** Ashwin Anand Khapre *(G.H. Raisoni College of Engineering, Nagpur)*
🥈 **2nd Place:** Sanket Somkuwar *(G.H. Raisoni College of Engineering, Nagpur)*

Best ENNOVATE Project

🏆 **Winner:** Chirag Singhal *(Shri Ramdeobaba College of Engineering and Management)*

ENNOVATE'25 successfully brought together the brightest minds from various institutions, fostering a spirit of innovation, collaboration, and technical excellence. The event not only provided a platform for students to showcase their creative ideas but also encouraged interdisciplinary learning and networking. As the event concluded on a high note, it left behind a legacy of inspiration, innovation, and an unwavering commitment to excellence in technology and research.