



RAMDEOBABA UNIVERSITY, NAGPUR

School of Computer Science & Engineering

Department of Artificial Intelligence and Cyber Security

Student Activities

Date: August 8, 2024

Event: Installation Day

Organizer: Cyber Club

Venue: Ramdeobaba College of Engineering and Management, Nagpur

The RBU Cyber Club, coordinated by Dr. Rashmi Welekar, officially inaugurated its mission to promote proactive and reactive cyber security strategies among students. The club, structured into specialized teams, empowers members to contribute meaningfully: the Logistics Team ensures smooth event management, the Social Media Team handles promotion and documentation, the Marketing Team spreads awareness, the Graphic Team designs impactful visuals, and the Technical Team organizes Capture the Flag competitions and develops cyber security tools.

Dr. Rajesh Pande, Vice Chancellor, highlighted the rising challenges of cyber threats, while DCP Nimit Goyal shared insights on fraud prevention, noting a 42% reduction in OTP frauds over the past five years through government initiatives. Dr. Suresh Balpande introduced chief guest Shri Rajendra Purohit, whose extensive accolades include UN missions and national honors. Shri Purohit emphasized early awareness, dual proactive and reactive measures, and making Nagpur a cyber-strong city through collaboration with law enforcement and educational institutions. Commissioner Ravinder Singal reiterated the importance of cyber hygiene and proposed training sessions with certificates and badges to empower club members.

The event concluded with a heartfelt vote of thanks, celebrating the dignitaries, organizers, and students committed to creating a safer digital environment.





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Date: October 23, 2024

Event: Opening Ceremony of Aarhant 2024

Organizer: Cyber Club

Venue: Venue Main Auditorium, RBU Nagpur

Dr. Rashmi Welekar, Program Coordinator of the event AARHANT 3.0, opened the ceremony by welcoming all dignitaries, faculty members, and students to the 3rd edition of Aarhant 3.0. In her address, she underscored the critical need for heightened cybersecurity awareness amidst an escalating wave of global cyber threats, including AI-driven scams, ransomware, and deepfake technologies. Dr. Rashmi Welekar encouraged students to recognize their significant role in tackling emerging cyber threats.

Event Schedule

23rd October: Opening Ceremony and Imposter Hunt

24th October: Cipher Quest, Capture the Flag (CTF), and Open Mic

25th October: Encryption Escape, Hackathon and Cyber Awareness Seminar

26th October: Quizzes, SOC Analysis and its importance in the industry seminar, App Security and Cybersecurity in the Industry seminar, MUN, Book Exchange Ceremony, Closing Ceremony.

Key Highlights: Dr. Rashmi Welekar, Program Coordinator, Cyber Security, emphasized the importance of cybersecurity awareness, highlighting the global rise in cyber-attacks and evolving threats. Dr. Ravinder Singal, Commissioner of Police, Nagpur, delivered an inspiring speech on the relevance of cybersecurity in modern law enforcement, urging experts to contribute to securing critical infrastructure. Dr. Rajesh Pandey, Vice Chancellor, presented a token of appreciation to IPS Dr. Ravindra Singhal. A Video Presentation that highlighted the efforts and achievements of IPS Dr. Ravinder Singal Journey in every field he explored.

Chief Guest's Address: Dr. Ravinder Singal, Commissioner of Police, Nagpur, delivered a thought-provoking speech emphasizing cybersecurity's role in contemporary law enforcement. He noted the profound impact of AI on digital security, highlighting both the opportunities and risks it presents in the fight against cybercrime. Dr. Ravinder Singal urged students and professionals to actively work on securing



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critical infrastructures such as power plants, airlines, and healthcare systems that are susceptible to AI-driven threats.

Key Points from Dr. Ravinder Singal's Speech: AI is significantly reshaping cybersecurity, necessitating continuous skill development among cybersecurity professionals. Emerging technologies like drones offer both innovative solutions and security challenges. He shared personal insights from large-scale event management, such as Kumbh Mela, where technology plays an essential role in ensuring safety. He encouraged students to explore projects addressing real-world cybersecurity challenges, including crowd management, AI-powered defenses, and secure communication protocols. He concluded by emphasizing the importance of events like Aarhant 3.0 for students to refine their skills and contribute to enhancing India's cyber defense.

Guest and Faculty Present

Chief Guest: Dr. Ravinder Singal, Commissioner of Police, Nagpur

Dr. Rajesh Pandey, Vice Chancellor, RBU Nagpur

Dr. Urmila Srivankar, Director, School of Computer Science and Engineering, RBU Nagpur

Dr. Suresh Balpande, HOD, Department of Information Technology and Security

Dr. Rashmi Welekar, Program Coordinator, Cyber Security

Prof. Harshala Shingne, Faculty Coordinator, AARHANT 3.0

Number Of Participants: More than 250 were present.



Conclusion: The inaugural ceremony of Aarhant 3.0 successfully set the tone for a productive and engaging cybersecurity awareness fest. The event promises to provide a platform for students, experts, and law enforcement to collaborate and enhance cybersecurity skills.

The ceremony concluded on a high note with Dr. Suresh Balpande, Head of Department, extending a heartfelt vote of thanks to the esteemed dignitaries. The audience showed their appreciation with a warm and enthusiastic round of applause, officially ushering in the successful launch of Aarhant 3.0.



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Date: October 23, 2024

Event: Imposter Hunt

Organizer: Cyber Club

Venue: Campus, RBU Nagpur – Digital Towers 7th Floor & Seminar Hall

The **Imposter Hunt** at Aarhant 3.0 offered an immersive, interactive experience inspired by popular social deduction games, tailored within a cybersecurity-themed context. Conducted on 23rd October 2024, the event attracted over 200 participants, organized into groups of 10, who competed to identify imposters within their teams while completing assigned tasks. The event aimed to enhance teamwork, quick decision-making, and deductive skills in a high-pressure and engaging atmosphere.

Objectives

- To immerse participants in an interactive game-based environment that promotes strategic thinking and decision-making.
- To foster communication and collaboration among participants through team-based challenges.
- To develop participants' abilities to identify suspicious behavior and work effectively under time constraints.

Event Structure

The game was organized into several rounds, each with distinct tasks and challenges designed to engage participants and reveal the imposter within their group. The following outlines the game's structure and flow:

1. **Grouping and Initial Briefing:** Participants were divided into groups of 10 and briefed on the game mechanics, roles (imposters vs. crewmates), and rules.
2. **Task Rounds:** Each round included both physical and verbal tasks that tested participants' teamwork, attention to detail, and ability to identify imposter behavior:
 - **Physical Tasks:** 11 various physical tasks encouraged active collaboration and coordination.
 - **Verbal Tasks:** 5 verbal tasks were designed to test communication skills and logical thinking.
3. **Emergency Meetings:** Each participant had one opportunity to call an "emergency meeting" to discuss suspicions and vote on potential imposters, adding a strategic element.
4. **Objective Completion:** Crewmates aimed to complete their tasks, while imposters attempted to 'eliminate' crewmates without revealing their identities. The game ended either when the imposters were identified or all tasks were completed successfully.

Gameplay Highlights

- **Time-Bound Rounds:** Each round was limited to 20 minutes, creating a fast-paced and intense atmosphere.
- **Imposter Challenges:** Imposters were given special tasks, including solving riddles to locate hidden "elimination tools," adding complexity to their role.
- **Participant Roles:** Each round's outcome relied on teamwork and quick, decisive actions, with only one emergency meeting allowed per participant.

Participant Feedback

Participants found the game highly engaging, with the combination of tasks and mystery elements providing an entertaining and immersive experience. Many appreciated the event's focus on teamwork and critical thinking.



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Key Outcomes

- **Skill Development:** Enhanced participants' problem-solving and quick decision-making skills.
- **Increased Engagement:** The game's interactive format captured attention and fostered interest in teamwork-based problem-solving.
- **Teamwork and Strategy:** The event promoted collaboration and strategic thinking, essential for real-world problem-solving.



Conclusion

The **Imposter Hunt** successfully combined entertainment and learning, offering participants a memorable experience that highlighted the importance of strategy and communication. This event was a standout addition to Aarhant 3.0, providing participants with a unique opportunity to test and enhance their skills in a fun, competitive setting.



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Date: October 24, 2024

Event: Cipher Quest

Organizer: Cyber Club

Venue: Campus, RBU Nagpur – Digital Towers 7th Floor & Seminar Hall

"Cipher Quest" was an exciting treasure hunt event designed to provide students with a unique blend of cryptography and cybersecurity concepts while offering a fun and engaging experience. The event consisted of three rounds, each challenging participants to showcase their problem-solving skills, teamwork, and analytical thinking.

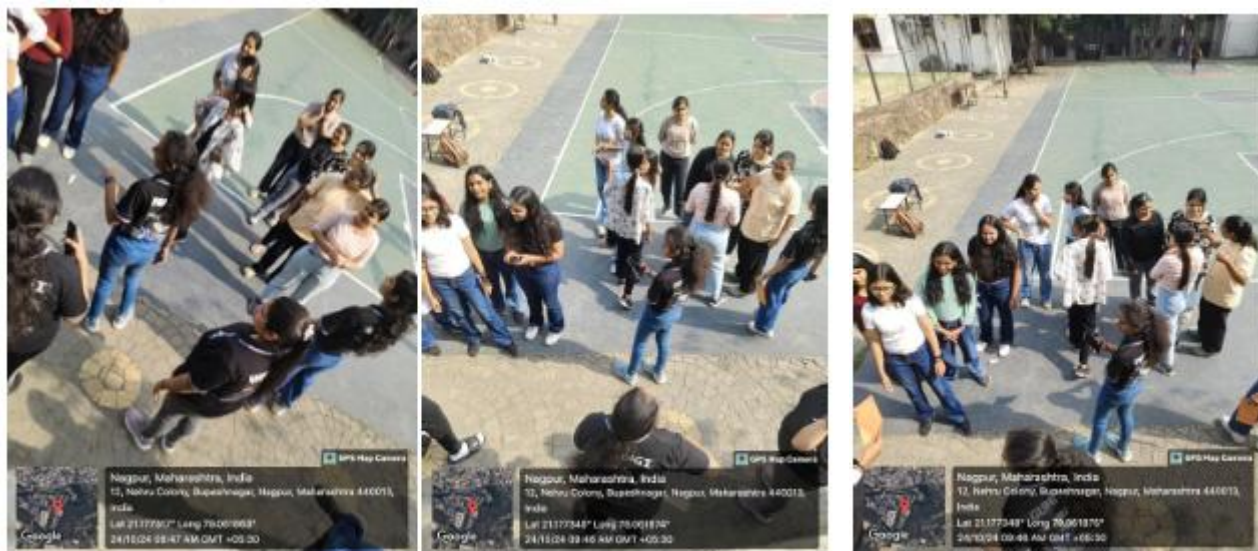
In the first round, participants formed groups of four and were presented with a riddle containing Different locations inside campus. Hints were provided. This round also featured a riddle that led teams to their next location, adding an element of adventure and mystery to the game.

The second round of the event delved into the Picture based riddles. Teams had to identify and navigate through various locations inside college and social media platforms, fostering a deeper Logical reasoning.

The climax of the "Cipher Quest" occurred in the last round, where teams encountered cryptography-based questions and a series of logical and aptitude challenges. Solving these puzzles required participants to apply their knowledge and analytical thinking, providing a stimulating intellectual experience.

To conclude the event, teams were tasked with taking a group photo against the backdrop of the Aarhant symbol at the IT square of the campus. They were then required to post this photo on their social media accounts, mentioning Aarhant and Microscan Communications Pvt. Ltd., effectively promoting the event and sponsors.

Throughout the event, a dedicated team of volunteers played a crucial role in ensuring its smooth execution. They accompanied each team, offering guidance when needed and providing hints to keep the participants on the right path. Additionally, these volunteers maintained a spirit of sportsmanship among the teams, ensuring fair play and a positive atmosphere.



Conclusion: The event in-charge successfully managed the logistics and flow of such a large-scale event, contributing to its overall success. "Cipher Quest" not only offered an entertaining experience but also imparted valuable knowledge and skills, making it a memorable and enriching event for all participants.



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Date: October 24, 2024

Event: Open Mic

Organizer: Cyber Club

Venue: OAT

The Open Mic event was a vibrant celebration of talent and creativity, featuring a diverse lineup of performers who captivated the audience with their unique acts. Here's a detailed overview of the evening's highlights:

1. **Antariksh Music Band:** The event kicked off with an electrifying mock drill by the Antariksh Music Band, immediately capturing the crowd's attention. Following this thrilling start, a talented female vocalist took the stage for a mesmerizing solo performance that left the audience spellbound. The band returned with a powerful set, energizing the crowd and eliciting enthusiastic cheers.

2. **Aditya :** Next up was Aditya, who brought a wave of laughter to the evening with his stand-up routine. His impeccable timing and relatable humor had the audience in stitches, adding a lively twist to the proceedings.

3. **Piyush:** Building on the laughter, Piyush took the stage with his own comedic flair. His playful energy and sharp punchlines kept the audience engaged and the laughter rolling, ensuring a continuous atmosphere of joy.

4. **Gauri - Rap Performance:** Gauri brought high energy with her solo rap, captivating the audience with her powerful performance. She later teamed up with Wotson for a collaborative rap act, and together they delivered an outstanding performance that left everyone in awe.

5. **Grand Finale with Wotson and Krishna:** Wotson, joined by his teammate Krishna, ended the Open Mic with a bang. Their collaborative rap act was a dynamic culmination of the evening, resonating with the crowd and leaving everyone in awe.

Overall, the Open Mic event was a resounding success. Each act contributed something special, creating an atmosphere of enjoyment and camaraderie among the audience. Attendees left the venue buzzing with excitement, unanimously praising the talent on display and the unforgettable energy of the evening. It truly was a night to remember, filled with laughter, music, and creativity!





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Date: October 24, 2024

Event: Capture The Flag

Organizer: Cyber Club

Venue: Campus, RBU Nagpur

The **AARHANT CTF**, held on 24th October 2024, was a thrilling and educational competition where 324 participants demonstrated their ethical hacking skills to solve challenges across cybersecurity domains such as Web Hacking, OSINT, Cryptography, and Forensics. The event aimed to raise cybersecurity awareness, enhance problem-solving skills, and familiarize students with real-world vulnerabilities.

Participants tackled tasks like SQL injection, steganography, metadata analysis, and cryptographic codebreaking, with new challenges introduced hourly to maintain engagement and focus. The dynamic leaderboard and innovative solutions highlighted the participants' deep technical knowledge and strategic thinking.

The event successfully blended fun and learning, providing hands-on experience with industry-level challenges. Feedback from participants was overwhelmingly positive, praising the event's structure and the opportunity to test their skills in a practical, competitive environment.

AARHANT CTF achieved its objective of fostering cybersecurity awareness and skill development, leaving participants inspired and better prepared for future challenges in the cybersecurity domain.





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Date: October 25, 2024

Event: Encryption Escape

Organizer: Cyber Club

Venue: Campus, RBU Nagpur –DT701

The Encryption Escape Game at Aarhant 3.0 was creatively inspired by the popular show "Squid Game," adapted into a cybersecurity mini-game format. The game commenced on 25th October 2024 at 4.00 p.m. There were total 357 registrations for the game. Participants navigated various challenges, combining elements of escape rooms with encryption puzzles, creating an engaging experience where strategic thinking and technical knowledge in encryption were key to success.

Objectives

- To immerse participants in a series of cybersecurity challenges within a game-inspired environment
- To make them aware about cyber.
- To encourage participants to utilize encryption techniques and problem-solving skills under pressure.

Event Structure

The game was divided into 4 levels, each representing a unique challenge. The following are the list of levels and flow of game that we took:

1. Red Light Green Light: This level was for testing participants' patience, rigidity and attention-paying skills. In this, a sound was played and participants needed to listen to the change in sound and accordingly stand still (statue position) until the sound retains.
2. Marbles Challenge: This round featured testing mathematical ability. Participants were given an amount of marbles and a chit consisting of mathematical word problems with a timing of around 60 seconds. They needed to solve those questions and take the marbles from the other person, whoever loses all their marbles at the earliest loses the game.
3. Cyber threats lock and key: This featured reading the scenario and identifying the cyber threat in 30 seconds and after that opening the lock that is placed by the keys present in one's keychain.
4. Squid Game: This featured testing one's control on themselves. There was a sign board on which participants had to walk on the lines of it on one foot and at the end reach to the trophy and take it.

Gameplay Highlights

Time-Bound Rounds: Each level was timed, adding urgency similar to the "Squid Game" experience.

Elimination Rounds: Participants who could not complete a level were "eliminated," increasing the thrill.

Participant Feedback

Players found the encryption puzzles engaging and well-paced. They loved the game as it used critical abilities to survive till the end.

Key Outcomes

- **Skill Development:** Participants improved their knowledge of encryption techniques and problem-solving skills.
- **Engagement:** The theme was widely popular, increasing participant interest in cybersecurity.

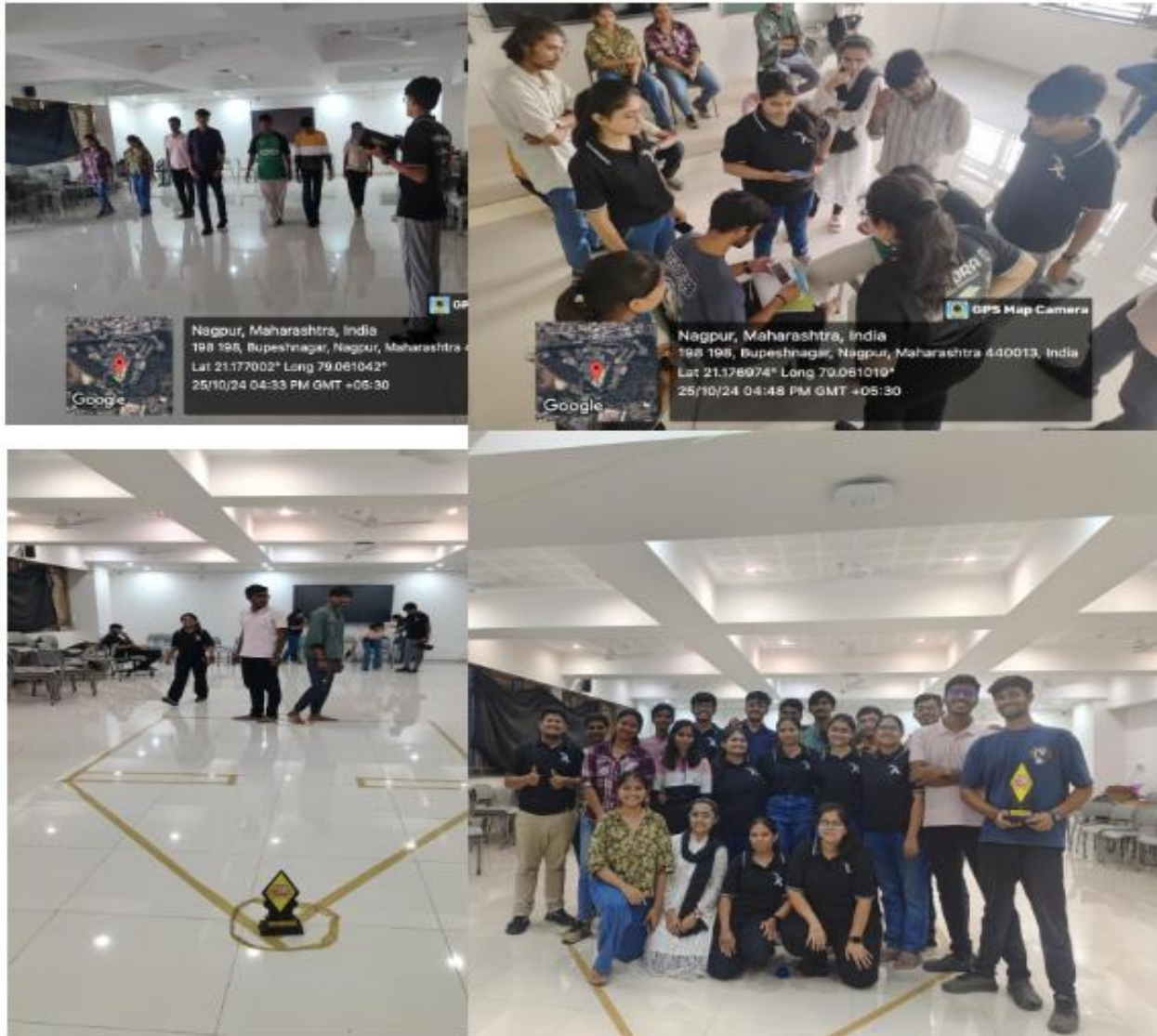


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- Collaboration and Teamwork: The escape room format encouraged communication and teamwork, both crucial in real-world cybersecurity tasks.



Conclusion: The Encryption Escape Game successfully combined fun and learning, offering a unique approach to understanding cyber elements. This event added a memorable, educational twist to Aarhant 3.0, effectively bridging popular culture with cybersecurity training.

Date: October 25, 2024

Event: Cyber Awareness

Organizer: Cyber Club

Venue: Campus, RBU Nagpur

The seminar on "Cyber Awareness Campaign", held on January 8, 2025, at Ramdeobaba University, by RBU Cyber Club in association with Nagpur Police focused on the growing threat of cyber fraud and emphasized the importance of increasing awareness about these risks in the digital era. The session began with an engaging discussion where participants were asked to reflect on personal experiences or encounters with financial fraud, setting the stage for further exploration of prevention strategies.



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Key topics discussed by Mr. Shankar Pandhare, Assistant Police Inspector, along with Mrs. Shraddha, Nagpur Police and Mrs. Shalaka Biniwale from Young India Unchained, included various forms of cyber fraud, such as deceptive links that lead to financial losses. They also highlighted the role of social engineering techniques used by fraudsters to manipulate and exploit victims. The seminar shed light on common financial fraud scenarios, particularly investment scams often promoted on social media platforms that promise high, unrealistic returns. To illustrate these dangers, the speakers presented a detailed case study, showing how a victim was manipulated into investing large sums based on false promises of high returns, only to face significant financial losses.

Participants were educated on the warning signs of fraud, such as discrepancies in account information and suspicious requests for transaction screenshots. Psychological manipulation tactics employed by fraudsters were also discussed, showing how greed, fear, and urgency can influence even the most well-educated individuals into making poor financial decisions. Additionally, an emerging form of fraud, known as task fraud, was explained, where individuals are tricked into paying for larger tasks after initially receiving small rewards.

The seminar concluded with a focus on the importance of constant vigilance and knowledge sharing in combating cyber fraud. Attendees were introduced to several government portals and helplines for reporting cybercrime and financial fraud, such as the Sancharsaathi Portal, the Financial Fraud Helpline (Dial 1930), and the NPCI Complaint Registration platform.

In the final call to action, participants were encouraged to share their experiences with fraud, collaborate on raising awareness, and make use of the available government resources to report any suspicious activities. The seminar successfully empowered attendees with valuable knowledge to protect themselves from the ever-evolving tactics of cyber fraud.





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Date: October 26, 2024

Event: Book Exchange

Organizer: Cyber Club

Venue: Campus, RBU Nagpur

The Book Exchange event, held on 26th October 2024 as part of AARHANT 3.0 in collaboration with the HoH community, was an enriching initiative to promote reading and knowledge sharing. With an engaging structure across three creative rounds, the event saw enthusiastic participation and fostered collaboration among students.

In the first round, participants solved riddles and clues to identify books, sparking curiosity and teamwork. The second round, a literary scavenger hunt, challenged teams to locate books using picture clues and famous quotes, deepening their appreciation for literature. The final round featured book pitches where participants showcased their favourite books, followed by an interactive book swap, allowing everyone to leave with exciting new reads.

The event concluded with a group photo shared on social media, promoting the culture of reading and community spirit. Guided by a dedicated team of volunteers, the event was seamlessly organized, leaving participants inspired and engaged. The Book Exchange successfully celebrated literature, creativity, and collaboration, making it a memorable highlight of AARHANT 3.0.





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Date: October 26, 2024

Event: Cybersecurity Career Pathways

Organizer: Cyber Club

Venue: Campus, RBU Nagpur

As part of AARHANT 3.0, a Seminar on Cybersecurity Career Pathways: Navigating the Future was held on October 26, 2024, at Seminar Hall 701, Digital Tower, Ramdeobaba University. The event, attended by over 100 students and faculty members, aimed to highlight emerging cybersecurity threats, practical skills, and career opportunities in the field.

The keynote speaker, Shantanu Baraskar, a seasoned cybersecurity expert, shared his knowledge on penetration testing, vulnerability assessments, and incident response. He emphasized the value of bug bounty programs, encouraging students to participate as a hands-on, cost-effective way to enhance skills and gain real-world experience.

Mr. Baraskar also guided participants on selecting impactful cybersecurity certifications such as OSCP, CompTIA Security+, and CISSP, which are highly valued by employers for practical expertise and career advancement.

He further announced upcoming internship opportunities and expressed interest in mentoring students with innovative startup ideas in cybersecurity, fostering entrepreneurship in the field.

The seminar concluded with an interactive Q&A session, where students actively engaged with the speaker to seek advice on career paths and practical learning approaches. Overall, the session was insightful and inspiring, leaving attendees motivated to explore and excel in the dynamic world of cybersecurity.



Date: October 26, 2024

Event: Box Cricket

Organizer: Cyber Club

Venue: Campus, RBU Nagpur

Box Cricket was organized as part of AARHANT 2024, aiming to provide students with a fun and refreshing experience. The event attracted participation from students across all years and departments, promoting teamwork, sportsmanship, and healthy competition.



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Event Overview

- Participants: Students from 1st to final year across various departments.
- Total Registered Teams: 40+
- Teams Selected for Play: 15 (due to time constraints)
- Event Format: Knockout Matches

The event kicked off at 8:00 AM and continued until 5:00 PM, with all matches adhering to a knockout format. The fixture system involved paired teams competing in successive rounds, where only the winners advanced to the next stage. This process continued until a final winner was determined.

Winning Team and Awards

- Winning Team: The Owners
- Captain: Nomaan Gagan
- Prize: Cash reward of ₹3,500/-

The prize was awarded to the captain of the winning team during the event's closing ceremony, acknowledging their outstanding performance and teamwork.

Participant Feedback and Conclusion

The Box Cricket event was conducted smoothly, and all participants expressed their satisfaction with the arrangements. The competitive yet enjoyable atmosphere kept everyone engaged throughout the day. Overall, the event was a grand success, reflecting the spirit of AARHANT.

We extend our gratitude to all the volunteers, coordinators, and participants for their enthusiasm and efforts in making the event a success. Special thanks to the organizing committee of AARHANT for their support and coordination.





RAMDEOBABA UNIVERSITY, NAGPUR

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Date: October 26, 2024

Event: Closing Ceremony

Organizer: Cyber Club

Venue: Campus, RBU Nagpur

The closing ceremony of **Aarhant 3.0 X Interstella 2.0**, held on October 26, 2024, in the Main Auditorium of Ramdeobaba University, marked the grand conclusion of the four-day event. It was a moment to reflect on the collaborative spirit, innovation, and dedication that drove the event's success.

The organizers expressed heartfelt gratitude to the participants for their enthusiasm and curiosity, which made the event vibrant and engaging. Special thanks were extended to **RCOEM** for providing a platform to explore innovation in space science and the **House of Hearts** for their enriching Book Exchange initiative. The meticulous efforts of the **Aarhant Committee Members**, including Mahak, Kritank, and Mandar, were commended for ensuring seamless event execution.

The role of the **NASA Space Apps Committee and Volunteers** was pivotal, as their hard work ensured the event ran smoothly. Distinguished guests graced the ceremony, inspiring participants with their words and encouraging them to strive for excellence.

The closing ceremony celebrated the power of collaboration and community. It highlighted the success of Aarhant 3.0 X Interstella 2.0 as a testament to teamwork and innovation. With gratitude and pride, the event concluded, leaving everyone inspired and looking forward to future endeavors.

