



SRMS

SHRI RAM MURTI SMARAK
COLLEGE OF ENGINEERING & TECHNOLOGY
BAREILLY, (U.P.)



H²O HACKATHON

.....hack to live smart

02nd - 04th May, 2024 | Venue : SRMSCET, Bareilly

Rule Book



**CADD
CENTRE**

LIVEWIRE™
FOR LIVE CAREERS



**Infotech
Services**

SAI BUSINESS

ASHIRWAD ENTERPRISES

Organized by:

TECHEDGE CELL

Under the Guidance of Institution's Innovation Council
Shri Ram Murti Smarak College of Engineering & Technology
Ram Murti Puram, 13 Km. Bareilly-Nainital Road, Bareilly - 243202 (U.P.) India

ABOUT THE SRMS TRUST

Shri Ram Murti Smarak, a public charitable trust (Reg.), was established in the year 1990. It is well known for providing services to the community in the field of Education and Technology, Medicine, Humanities, Management, Law, Nursing and Pharmaceutical Sciences. Shri Ram Murti Smarak College of Engineering and Technology, Bareilly was established by the trust in 1996 as a premier institution in the state of UP. It provides excellent infrastructure which promotes human capital formation leading to excellence in all spheres of life. Faculty of Management



Science of SRMSCET is a glorious institution producing professionals who are contributing their best in the field of management in India and abroad. It is untirely nurturing world class management professional by facilitating research driven academic curriculum coupled with inculcation of human and national values that guide them to excel in their professional career. Physical and academic environment provided to our talented students is unparallel in the vicinity and is conducive to their holistic development.

ABOUT THE SRMS CET, BAREILLY

Shri Ram Murti Smarak College of Engineering and Technology is a pioneer institute established in 1996 by Shri Dev Murti to advocate the inspiring principles of his father Late Shri Ram Murti Ji- A man with a vision and mission. The vision of SRMSCET is – “The education of people for professional careers, carried out in a professional way “. The college has demonstrated perennial evidence of merit and quality by achieving a respectable position among all parallel private and government colleges of Dr. A.P.J. Abdul Kalam Technical University, Lucknow (UP). It is developing by leaps and bounds in terms of infra-structural facilities and human capital not only to fulfill the requirements of the current technological status but also to set itself as teaching and research center of eminence in future.

INTRODUCTION TO HACKATHON 2.0

HACKATHON 2.0 is a technical event of 36 Hours organized by SRMS College of Engineering and Technology Bareilly. This event aims to ignite creativity and innovation among students by addressing real-world challenges related to "Smart Campus Solutions." Participants will engage in a collaborative and competitive environment to develop cutting-edge solutions that can enhance campus life.

Problem Statement: "Smart Campus Solutions"

The "Smart Campus Solutions" challenge seeks innovative solutions to enhance various aspects of campus life. Participants are encouraged to develop creative and practical solutions that improve the overall campus experience for students, faculty, and visitors. The main features of the problem statement are such as:

- Smart Classroom Management
- Campus Security Enhancement
- Student Attendance Tracking
- Smart Campus Navigation
- Environmental Sustainability
- Smart Parking Management
- Health and Wellness Monitoring
- Campus Events and Communication
- Automated Library Services
- Campus Resource Optimization
- Emergency Response System
- Campus Feedback and Improvement

RULES AND GUIDELINES

1. Eligibility:

The HACKATHON 2.0 is open to UG and PG students of any discipline from educational institutions: Specifies the eligible participants, indicating that undergraduate (UG) and postgraduate (PG) students currently enrolled in educational institutions are welcome to participate.

2. Teams:

- Each team must register, and teams must be formed prior to the event.
- The number of teams from a particular college/institute/university is not limited.
- All team members must be from same college/institute/deemed-to-be university.
- Team size- Minimum 2 & Maximum 6 members. The team name must be unique and team leader should provide either his/her own email id or the team's email id for the communication.
- Team composition must remain unchanged once the registration is done. This rule promotes fairness and prevents potential manipulation.

3. Conduction of event:

| S. No. | Particulars | Date |
|--------|--|--|
| I. | Idea Submission (Free Entry) | 11 th March to 15 th April, 2024 |
| II. | Screening Results Declaration | 18 th April, 2024 |
| III. | Complete Registration and Payment (For Screened Teams) | 19 th April to 27 th April, 2024 |
| IV. | HACKATHON 2.0 | 2 nd May to 4 th May, 2024 |

*The detailed information is describing in subsequent section.

I. Idea Submission:

- There is no fee for idea submission.
- The team leader also must submit (attach) a detailed proposal in pdf format through the registration link.
- Teams' leaders will prepare their ideas in the form of proposal having following contents.
 - Cover Page
 - Problem description
 - Proposed Solution
 - Proposed Technology
 - Resources required
 - Budget
- This proposal document should cover various aspects of the solution, ensuring that participants provide a thorough understanding of their work.
- The team leader has to register his team with required information in provided link.

• **Idea Submission Link:** <https://forms.gle/i2gDJUfm3PnWVPak8>

• Format:

- Maximum No. of pages: 12.
- Font style & size:
 - Times New Roman [Title font size-16 Bold, Main Heading-14 Bold, sub heading- 12 Bold, Paragraph- 12]
 - Line spacing- 1.5
 - Column- Single
- The project report file should be named as “Team name”.

II. Screening Results Declaration (18th April, 2024):

- After expert's recommendations, shortlisted teams will receive a confirmation email for further proceedings.

III. Complete Registration and Payment for Screened Teams (19th to 27th April, 2024):

- The screened teams will have to register with an entry fee of 500/- per participant or 2000/- per team whichever is minimum.
- Teams have to complete the registration through given link and pay the registration charges through bank account details listed below.

Account Details for the fee payment:

Payment Mode: ONLINE/NEFT

Bank Name: Punjab National Bank

Account Number: 52241010000080

Account Holder Name: ENGINEERING SRMSCET, BAREILLY

IFSC Code: PUNB0522410

Branch Name/ Address: SRM Medical Smarak Trust, Bareilly, U.P.

Pin Code: 243202

SCAN QR CODE



OR

9412761548m1@pnb

What we are providing:

- Fooding facility: High Tea, Lunch, Dinner, Refreshment for three days.
- Lodging: for three days.

IV. HACKATHON 2.0 (2nd to 4th May, 2024):

The event will be organized in the following rounds:

➤ Round 1-Idea Presentation

First day of the event, the team will present the idea. Maximum 20 minutes will be given to present the idea. The presentation platform will be provided equipped with laptop/computer and projector. The team can carry the PPT in pen drive or mail to techedge@srmscet.edu before the presentation.

➤ Round 2-Prototype Development

Just after the first round, the teams will be allowed to start the prototype development. Prototype development is done in 24x7 manner and all team will be worked under the vigilance of HACKATHON 2.0 organizing team.

➤ Round 3-Prototype Evaluation

On completion of the prototype development, the expert teams will evaluate them for the selection of winners.

4. Code of Conduct:

- It is desired that every team member participate and be present during the event. All participants must be available to present their projects during all presentation session.
- Entire implementation including designing and/or coding for your problem statement must be created during **HACKATHON 2.0** only. Working on a project before the event and open – sourcing it for the sole purpose of using the code during the event is against the spirit of the rules and is not allowed.
- Open-sourced code and pre-existing projects are not allowed because the aim is to encourage creativity and originality.

- The responsibility of the apparatus, components and the materials required for developing the prototype during the **HACKATHON 2.0** lies solely on the participating teams.
- Participants are expected to maintain a high standard of professionalism, behavior, respect for others.
- Harassment, discrimination, or any form of inappropriate behavior will not be tolerated

5. Judging Criteria:

- Projects will be evaluated based on innovation, functionality, scalability, user experience, and impact on campus life.
- Judges' decisions are conclusive and non-negotiable, establishing the authority of the judging panel.

6. Prizes and Rewards:

- Prizes will be awarded to the top-three teams based on the judgmental results.
- If there is a tie among two or more teams, the final decision on the prize money distribution will be taken by the organizing committee only and once the decision is made, it won't be changed further.
- Total cash prizes worth up to **₹1,00,000/-**
- The winning team with all female members will be rewarded with **₹5,000** additionally.

7. Intellectual Property:

- Every Participant ensures the ownership of the intellectual property generated during the HACKATHON 2.0, promoting fairness and respect for participants' creations.
- By participating, teams grant the organizing committee the right to showcase their work for promotional purposes.

For any query, participant can send email to: techedge@srmscet.edu or call the faculty coordinators:

Committee Members

| Event Coordinator | Co-Convenor | Convenor |
|--|--|---|
| Er. Amit Karmakar Coordinator, Techedge Cell, SRMS CET | Dr. Shailesh Saxena Convener IIC, SRMS CET | Dr. Prabhakar Gupta Principal & President IIC, SRMS CET |
| Faculty Coordinators | | |
| Er. Nipun Pande 8979736080 | Dr. Saty Dev 9359319936 | Er. Ashwani K. Chauhan 8954789803 |
| Er. Smita Dinkar 89799 77534 | | |

****NOTE:** The rules can be changed if required by the organizing committee.

****No travel allowance will be provided to any participant.**



SRMS

SHRI RAM MURTI SMARAK COLLEGE OF ENGINEERING & TECHNOLOGY, BAREILLY (U.P.)

PROFESSIONAL INSTITUTIONS

SRMS College of Engineering & Technology, Bareilly (Estd. 1996)

SRMS College of Engineering & Technology (Pharmacy), Bareilly (Estd. 2000)

SRMS Institute of Medical Sciences, Bareilly (Estd. 2002)

SRMS College of Engineering, Technology & Research, Bareilly (Estd. 2008)

SRMS Institute of Paramedical Sciences, Bareilly (Estd. 2011)

SRMS International Business School, Lucknow (Estd. 2011)

SRMS College of Nursing, Bareilly (Estd. 2017)

SRMS College of Law, Bareilly (Estd. 2018)

SRMS College of Nursing and Paramedical Sciences, Unnao (Estd. 2018)

HEALTH CARE INSTITUTIONS

SRMS Multi Super Speciality Tertiary Care Hospital & Trauma Centre, Bareilly (Estd. 2002)

R.R. Cancer Institute and Research Centre, Bareilly (Estd. 2008)

SRMS Functional Imaging & Medical Centre, Lucknow (Estd. 2015)

SRMS Multi Specialty Hospital & Trauma Centre, Unnao (Estd. 2018)

SRMS Goodlife Hospital, Bareilly (Estd. 2018)

SRMS Step2Life (A Rehabilitation & Physiotherapy Centre), Lucknow (Estd. 2019)

MUSIC & ARTS INSTITUTION

SRMS Riddhima-A Centre of Performing & Fine Arts (Estd. 2021)