SWAMI RAMA HIMALAYAN UNIVERSITY

Swami Ram Nagar, Jolly Grant,
Uttarakhand 248016

ROBOTICS CLUB
(Technology & Digital Health Clubs)

1. Introduction

The Robotics Club at SRHU, hosted by the Himalayan School of Science & Technology, fosters hands-on learning in robotics, automation, and intelligent systems. Aligned with SRHU's interdisciplinary ethos, the club engages students in designing, building, and programming robots-including aerial systems like drones-while promoting innovation, teamwork, and real-world problem solving.

2. Objectives

The objectives of the Club are:

- Promote foundational and applied knowledge in robotics, mechatronics, and embedded systems
- Encourage interdisciplinary collaboration across engineering, computer science, and healthcare domains
- Support hands-on learning through workshops, competitions, and project-based exploration
- Introduce drone technology as a key vertical for automation, surveillance, and smart systems

3. Club Committee

The Club shall be governed by a committee comprising the following members:

Composition	Roles
Mr. Satyendra Singh Rawat- Club Coordinator* (SPOC), Assistant Professor, HSST	Chairperson
Dr. Vivek Katiyar, Assistant Professor, HSST	Treasurer
Dr. Pooja Baloni, Assistant Professor, HSST	Member Secretary
Mr. Prakash Singh Negi, B. Tech., HSST	Member (Student Coordinator)

Students Detail

S.No.	Student Name	Registration No.	Enrolment No.	Programme Name
1	Prakash Singh Negi	DD22111307002	SRHU22000318	B.Tech.
2	Shubham Gangari	DD231104307021	SRHU23000945	B.Tech.
3	Pratham Singh	DD231104307012	SRHU23000936	B.Tech.
4	Sameer Rajesh Chavan	DD231204307001	SRHU23001174	B.Tech.
5	Devpriya Dey	DD231104303004	SRHU23000970	B.Tech.

6	Arpit Kandari	231104301090	SRHU23001065	BCA
7	Manu Pathak	231104301066	SRHU23001041	BCA
8	Ayush Silswal	231104301087	SRHU23001062	BCA
9	Taranjit Kaur	DD231104310005	SRHU23000920	B.Sc. (Hons.) Data Science
10	Himanshu Rana	DD231104310002	SRHU22000432	B.Sc. (Hons.) Data Science
11	Deepali Aswal	DD231104310003	SRHU23000918	B.Sc. (Hons.) Data Science
12	Yaksh Gaur	DD22111308005	SRHU22000329	B.Tech.
13	Priyanshu Sharma	DD22111308001	SRHU22000325	B.Tech.
14	Abhay Sachan	DD231104307010	SRHU23000969	B.Tech.
15	Ku. Usha Verma	DD231104501018	SRHU23001173	MCA

*Note: Preferred roles in the clubs is defined by Club coordinator

4. Terms and Conditions

Sr. No.	Clause	Details
1.	Quorum	50% of the total members
2.	Tenure of the Club	Perpetual
3.	Tenure of the Chairperson	3 years
4.	Tenure of the Members	2-3 years
5.	Frequency of Meetings	*Preferably once per quarter.*
6.	Meeting Notice and Agenda	The member secretary with prior approval of Chairperson shall circulate the Meeting Notice and Agenda to all the members at least seven (7) working days prior to date of the meeting.
7.	Minutes of the Meeting	The Secretary records the minutes, which are signed by the Chairperson and Secretary. A signed copy is forwarded to members within three (3) working days of the meeting.
8.	Duties and function	a) Organize workshops on robot design, microcontrollers (Arduino, Raspberry Pi), and sensor integration b) Host drone-building sessions and flight safety demonstrations using SRHU's Drone Technology Lab c) Facilitate student participation in national robotics competitions and tech expos d) Collaborate with IEEE/ACM chapters and other clubs for hybrid innovation challenges

		e) Document and showcase student-led robotics and drone projects for campus and community use
9.	**Funding and Resources**	a. Institutional budget allocation b. Donations and sponsorships
10.	**Amendments**	Any amendment to this club must be proposed in writing and approved by a two-thirds majority of the Club Committee.
11.	**Dissolution**	In the event of dissolution, the assets and liabilities of the Club shall be transferred to the Swami Rama Himalayan University.

5. Services Offered:

- **Drone Design & Flight Workshop**: Basics of quadcopters, flight control, and safety protocols
- **Bot Battle Series**: Internal competitions on obstacle navigation, line following, or sumo bots
- **Automation for Healthcare**: Projects like medicine delivery bots or patient-assistive devices
- **Poster Exhibitions**: Topics like robotics in disaster response, agriculture, and smart cities
- **Guest Talks**: Experts from ISRO, DRDO, or industry sharing insights on robotics and UAVs
- **Hackathons**: Themed challenges integrating robotics with AI, IoT, or sustainability goals
- **Field Demos**: Drone surveillance or mapping exercises in SRHU's green zones
- **Collaboration Events**: Joint builds with Logic Lobe, Software Development, or AI Club

Sign. of Chairperson   **Sign. of Treasurer**   **Sign. of Member Secretary**

Chairperson
Robotics Club
Swami Rama Himalayan University

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Swami Ram Nagar, Jolly Grant,
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<u>NOTICE</u>
ROBOTICS CLUB
(Technology & Digital Health Clubs)

SRHU/TDHC/RC/2025/01   **9th September 2025**

This is to inform all students of the **Himalayan School of Science and technology (HSST)** that a **Robotics & Automation Workshop** will be held on **16th September 2024**. The workshop aims to introduce students to robotics fundamentals, healthcare automation applications, and collaborative innovation through hands-on demonstrations and interactive sessions.
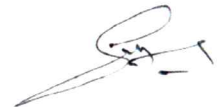
Details of the Meeting:
- **Event:** Robotics & Automation Workshop
- **Date: 16th September 2024**
- **Time:** 10:00AM - 04:30PM
- **Venue:** Himalayan School of Sciences and Technology, *Swami Rama Himalayan University*
- **Organized by:** Robotics Club, SRHU
- **Eligibility:** All undergraduate and postgraduate students interested in robotics, automation, and digital health technologies

All students are encouraged to participate actively in the workshop to strengthen their technical knowledge, creativity, and collaborative problem-solving skills. Attendance of registered club members is **mandatory**.

For further details, please contact the **Club Coordinator** or respective **Batch representatives**.
Build, Automate, and Innovate Together!

Chairperson

Chairperson
Robotics Club
Swami Rama Himalayan University

Copy to:
Hon'ble President
Hon'ble Vice Chancellor
Director General (Academic Development)   for kind information please
Pro-Vice Chancellor
Registrar
Dean, HSMS
Heads of Departments
Finance Officer
Members of the club – For necessary arrangements and action

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<u>REPORT</u>

Organized by   : Robotics Club, Swami Rama Himalayan University
Date   : 16th September 2024
Venue   : Himalayan School of Sciences and Technology, Swami Rama Himalayan University
Time   : 10:00AM - 04:30PM

The Robotics Club Celebrated Engineer's Day on 16th September 2024 by organizing a series of technical and innovative events, including Technical Poster Presentation, Prompt Coding Competition, Drone Installation and Display, IoT-based project demonstrations, Technical Presentations, and Innovative Idea Pitching. The celebration commenced with an introduction and opening session marked by the traditional lamp-lighting ceremony. The Club Coordinator welcomed all attendees and introduced the invited experts who shared their perspectives on the significance of Engineer's Day. They highlighted that this day honors the outstanding contributions of engineers to societal progress and technological advancement. In India, Engineer's Day is observed on 15th September in remembrance of Sir Mokshagundam Visvesvaraya, a visionary engineer whose pioneering work in irrigation and flood management left an indelible mark on the nation. The experts emphasized the ethical responsibility of engineers to innovate sustainably, solve real-world problems, and contribute meaningfully to human development.

Following the inaugural session, the planned activities commenced in parallel, with students grouped according to their respective events. Members of the Robotics Club actively coordinated with the experts and participants to ensure smooth execution of each activity. At the conclusion of every event, winners were identified based on performance, creativity, and technical proficiency. A prize distribution ceremony was then conducted, where the Club Coordinator invited and felicitated the winners with prizes and certificates, acknowledging their hard work and excellence.

The celebration concluded with a heartfelt vote of thanks delivered by the Club Secretary on behalf of the Robotics Club. He extended sincere gratitude to all participants, experts, faculty members, and supporters for their enthusiasm and cooperation, which contributed significantly to the success of the event. The Secretary encouraged students to carry forward the spirit of innovation, collaboration, and purpose that defined the day's celebrations. Although Engineer's Day concluded, the inspiration and motivation generated through this event are expected to guide students in their future endeavors and technological pursuits.

Mr. Satyendra Sing Rawat
Chairperson

Chairperson
Robotics Club
Swami Rama Himalayan University

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EVENT HIGHLIGHT

Welcome Address by the members of the club

Mr. Satyendra Sing Rawat
Chairperson
Chairperson
Robotics Club
Swami Rama Himalayan University