



# University of Kashmir

HAZRATBAL, SRINAGAR 190006, KASHMIR

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## **Criterion 5: Student Support and Progression**

### **5.3.3 REPORT ON ACTIVE CLUBS AND FORUMS**

# CLUBS OF IOT SRINAGAR

## ROBOTICS AND INNOVATION CLUB (TECHPOINEERS GUILD)

THE ROBOTICS AND INNOVATION CLUB IS A HUB FOR STUDENTS PASSIONATE ABOUT TECHNOLOGY, ROBOTICS, AND INNOVATION. IT OFFERS HANDS-ON EXPERIENCE IN DESIGNING, BUILDING, AND PROGRAMMING ROBOTS. THE CLUB PARTICIPATES IN VARIOUS COMPETITIONS AND EXHIBITIONS, ENCOURAGING MEMBERS TO DEVELOP CREATIVE SOLUTIONS TO REAL-WORLD PROBLEMS. IT'S AN IDEAL SPACE FOR ASPIRING ENGINEERS AND TECHNOLOGISTS TO COLLABORATE, LEARN, AND INNOVATE.



## CULTURAL CLUB (CROSSROADS OF CULTURE)

THE CULTURAL CLUB CELEBRATES AND PROMOTES THE RICH DIVERSITY OF CULTURES WITHIN THE COLLEGE COMMUNITY. IT ORGANIZES EVENTS SUCH AS FESTIVALS, CULTURAL NIGHTS, DANCE PERFORMANCES, AND MUSIC CONCERTS. THE CLUB PROVIDES A PLATFORM FOR STUDENTS TO SHOWCASE THEIR TALENTS IN VARIOUS ART FORMS, INCLUDING DRAMA, MUSIC, DANCE, AND FINE ARTS. IT ALSO ENCOURAGES CULTURAL EXCHANGE AND UNDERSTANDING AMONG STUDENTS FROM DIFFERENT BACKGROUNDS.



## RESEARCH CLUB (QUANTUM QUEST)

THE RESEARCH CLUB DRIVES INNOVATION AND ACADEMIC EXCELLENCE BY OFFERING STUDENTS A PLATFORM TO DELVE INTO ADVANCED TECHNOLOGIES. THROUGH COLLABORATIVE PROJECTS, MENTORSHIP, AND HANDS-ON EXPERIMENTATION, THE CLUB NURTURES CURIOSITY, CRITICAL THINKING, AND THE CREATION OF PRACTICAL SOLUTIONS TO REAL-WORLD ENGINEERING CHALLENGES.





# CLUBS OF IOT SRINAGAR

## SPORTING CLUB (TRIUMPH FITNESS CIRCLE)

THE SPORTING CLUB PROMOTES PHYSICAL FITNESS AND SPORTSMANSHIP AMONG STUDENTS. IT OFFERS A WIDE RANGE OF SPORTS AND PHYSICAL ACTIVITIES, INCLUDING FOOTBALL, BASKETBALL, VOLLEYBALL, CRICKET, AND MORE. THE CLUB ORGANIZES INTERCOLLEGIATE TOURNAMENTS, INTRAMURAL LEAGUES, AND TRAINING SESSIONS TO HELP STUDENTS HONE THEIR SKILLS. IT FOSTERS A SPIRIT OF TEAMWORK, DISCIPLINE, AND HEALTHY COMPETITION.



## AI AND CODING CLUB (CODEWAVE AND AI FORUM)

THE CLUB IS DEDICATED TO ENHANCING STUDENTS' PROGRAMMING AND SOFTWARE DEVELOPMENT SKILLS. IT CONDUCTS WORKSHOPS, CODING CHALLENGES, HACKATHONS, AND GUEST LECTURES FROM INDUSTRY EXPERTS. THE CLUB COVERS VARIOUS PROGRAMMING LANGUAGES AND TECHNOLOGIES, HELPING MEMBERS BUILD PROJECTS AND IMPROVE THEIR PROBLEM-SOLVING ABILITIES. IT'S A GREAT PLATFORM FOR STUDENTS INTERESTED IN SOFTWARE ENGINEERING TO NETWORK AND COLLABORATE.

## SKILL BEE CLUB

THE SKILL BEE CLUB FOCUSES ON DEVELOPING A WIDE RANGE OF PRACTICAL AND SOFT SKILLS AMONG STUDENTS. IT OFFERS WORKSHOPS AND ACTIVITIES ON PUBLIC SPEAKING, LEADERSHIP, TIME MANAGEMENT, RESUME WRITING, AND MORE. THE CLUB AIMS TO PREPARE STUDENTS FOR THE PROFESSIONAL WORLD BY EQUIPPING THEM WITH ESSENTIAL SKILLS THAT COMPLEMENT THEIR ACADEMIC KNOWLEDGE. IT'S A SPACE FOR PERSONAL GROWTH AND SKILL DEVELOPMENT, HELPING STUDENTS BECOME WELL-ROUNDED INDIVIDUALS.





# Institute of Technology, Zakura Campus, University of Kashmir

## Newsletter

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01

### Internship and Training Club



### Club Vision

"To develop a generation of Civil Engineering professionals who are prepared for the industry, driven by innovation, and equipped with practical expertise. Through immersive training, advanced technologies, and real-world exposure, we strive to close the gap between academic education and professional application, building a sustainable and resilient future for the built environment"

**Mentor**  
**Dr. Jasir Mushtaq**





## Industrial Visits

### Student Co-Ordinators

Irtika Farooq

Raja Manan Yahya

Musaib Hamid

### 1. Industrial Site Visit to Rangil Water treatment plant Ganderbal, J&K

The industrial site visit to the Rangil Water Treatment Plant, Ganderbal, aimed at providing students with firsthand knowledge of water treatment processes and the operational aspects of a treatment facility. The visit took place on 12/09/2024 and was attended by B.Tech 8th semester students (Batch 2020) and faculty members, offering a comprehensive understanding of water purification and distribution systems.

### Glimpses



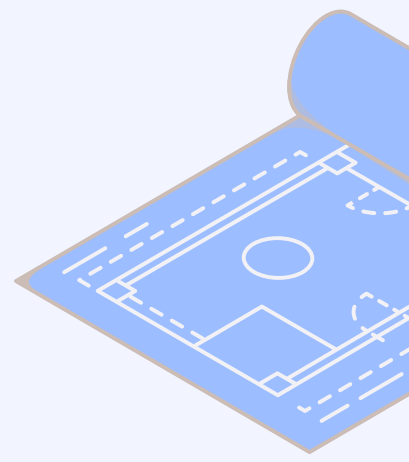
### 2. Industrial Site Visit to AIIMS Awantipora

The Department of Civil Engineering organized an industrial site visit to the AIIMS Awantipora Construction Site to provide students with real-time exposure to large-scale infrastructure development projects. The visit, conducted on 24th October 2024 for 5th Semester B.Tech Civil Engineering Students (Batch-2022), offered students an opportunity to observe advanced construction techniques, project management strategies, and sustainable building practices under implementation.



### 3. Site Visit to Palm Spring Flats Peerbagh, Srinagar

The Department of Civil Engineering organized an industrial site visit to the Palm Spring Flats in Peerbagh, aimed at providing students with practical insights into high-rise residential construction and modern architectural practices. The visit, conducted on 12 November, 2024 for 7th Semester B.Tech Civil Engineering Students of (Batch 2021), offered a comprehensive view of the design and construction processes of residential apartments.



#### Glimpses



### 4. Local Area Survey at Dignibal, Ganderbal

The survey was conducted in the hilly terrain of Diginibal, Ganderbal, to apply surveying techniques in challenging landscapes. The visit was conducted on 10 August, 2024 by the B.Tech (5th Semester) Civil Engineering students. Using theodolites, total stations, and leveling equipment, they measured elevations, distances, and angles while assessing slope stability and environmental factors. The exercise provided hands-on experience, enhancing their skills in fieldwork, data collection, and problem-solving for infrastructure development in mountainous regions.



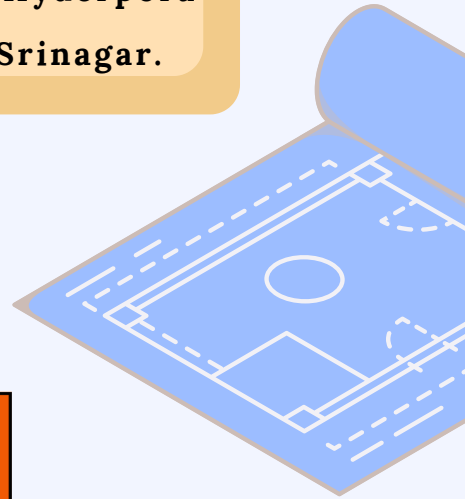


### ***Undergoing Students Internships***

- 1.Sanat Nagar Flyover,Road and Buildings, Hyderpora***
- 2.Nishat Water Treatment Plant, Nishat Srinagar.***

### ***Upcoming Industrial Visits***

- 1.Site Visit to Z-Morh Tunnel***
- 2.Site Visit to URI Power Project***
- 3.Site Visit to New Ring Road,Kashmir***
- 4.AIIMS Awantipora***
- 5.Chenab Railway Bridge***
- 6.Zojila Tunnel Sonmarg***
- 7.KIshan Ganga Dam Gurez***



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# BLUEPRINTS: THE CIVIL EDGE

Official Newsletter of the Project and Innovation Club  
Department of Civil Engineering,  
Institute of Technology, Zakura Campus  
University of Kashmir



## Launch of the Club

Welcome to the inaugural edition of the Project and Innovation Club newsletter! This platform highlights our club's innovative projects and collaborative initiatives within the Department of Civil Engineering.

**The Project and Innovation Club** at the Institute of Technology, University of Kashmir, Zakura Campus, is a student-led initiative under the guidance of **Dr. Junaid Hassan Masoodi**, esteemed Coordinator of the Department of Civil Engineering and mentorship of **Dr. Asif Akbar**. The club focuses on promoting creativity, innovation, and practical learning in civil engineering. Empowering students to transform theoretical knowledge into real-world solutions, it fosters hands-on projects that equip members with the skills and mindset needed to address modern engineering challenges. By bridging the gap between classroom education and the evolving demands of the industry, the club shapes the engineers of tomorrow.



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# 1. Development of the Concrete Lab

The development of the Concrete Lab is a transformative project initiated by the Project and Innovation Club, aimed at creating a functional, hands-on learning environment for civil engineering students. Prior to this project, the lab lacked essential infrastructure, limiting students' ability to engage with practical applications of the concepts they studied in class. However, through careful planning, collaboration, and dedicated effort, we have successfully turned the Concrete Lab into a fully equipped space where students can explore and test the behaviour of construction materials, with a particular focus on concrete.



## KEY CONTRIBUTIONS AND MILESTONES:

- **Half-Height Wall Construction:** Initially, the lab was an open, undefined space. One of the first significant developments was the construction of a half-height wall, which not only marked the beginning of lab infrastructure but also provided a scaled segment to simulate real-world construction scenarios.
- **Curing Tank Installation:** To ensure students have the tools for conducting in-depth material testing, we designed and constructed a curing tank specifically for curing concrete samples. This tank enables controlled curing conditions, allowing students to experiment with different curing methods and observe their effects on concrete's strength and durability. The addition of this equipment fills a crucial gap in the lab's previous capabilities, enabling advanced testing.
- **Storage Tanks for Raw Materials and Samples:** Prior to this project, the lab lacked systematic storage. We added two dedicated storage tanks for raw materials and experimental concrete samples. These tanks help maintain order, preventing material contamination and ensuring that everything needed for experiments is easily accessible and organized. This change has not only improved workflow efficiency but also ensured the integrity of testing processes.



**“The project began with a detailed assessment of the existing lab conditions, identifying areas in dire need of development. The lab carefully mapped out the layout, considering the best use of space for both practical functionality and safety.”**



## 2. Design and Development of Sports Infrastructure



The Design and Development of Sports Infrastructure is one of the flagship initiatives undertaken by the Project and Innovation Club in collaboration with the Department of Mechanical Engineering. This ambitious project aims to establish state-of-the-art sports facilities at the Institute of Technology, Zakura Campus, promoting physical well-being and creating a culture of sportsmanship among students.

### KEY CONTRIBUTIONS AND MILESTONES:

#### 1. Initial Design and Planning

- Comprehensive site surveys were conducted to identify optimal locations for the courts.
- Layouts were meticulously planned, adhering to standard court dimensions and ensuring efficient use of available space.
- Emphasis was placed on accessibility and aesthetics to integrate the courts harmoniously with the campus environment.

#### 2. Excavation and Foundation Work

- Excavation for the foundations of the courts was carried out using precision techniques.
- Concrete foundations were laid to provide a stable and durable base for the courts, capable of withstanding extensive use over time.

#### 3. Reinforcement and Erection of Poles

- Iron rods were used to reinforce the foundational structures, ensuring strength and stability.
- Poles for badminton nets, volleyball nets, and basketball hoops were erected with high-grade materials for durability.

#### 4. Progressing Towards Completion

- Surface levelling and finishing are currently underway to ensure smooth playability.
- Plans for court markings, painting, and final touches are in progress to meet professional standards.



### The project encompasses the design and construction of:

- Two Badminton Courts
- One Volleyball Court
- One Basketball Court



# Acknowledgments: The Sports Infrastructure Development Team



The successful development of the sports infrastructure at the Institute of Technology, University of Kashmir, Zakura Campus, would not have been possible without the dedicated efforts and collaboration of the following individuals. Their hard work, guidance, and teamwork have laid the foundation for a project that will benefit generations to come.

### COORDINATOR

Dr Junaid Hassan Masoodi

### PROJECT MENTORS

Dr Asif Akbar & Dr Iftekar Gull

### LAB ASSISTANT

Er. Ajaz Baba

### CORE STUDENT VOLUNTEERS

- Mohammad Waaqid Makhdoomi (Batch 2022)
- Zain Showkat (Batch 2022)
- Zehran Shafi (Batch 2022)
- Zaid Fayaz Khan (Batch 2022)
- Auzaib Qayoom Rather (Batch 2022)
- Hashim Nazir (Batch 2022)
- Zeeshan Bhat (Batch 2022)
- Sameer Manroo (Batch 2022)
- Hamaad Bilal (Batch 2022)
- Anan Altaf Bhat (Batch 2023)(Mechanical)
- Zaid Khajwaal (Batch 2023)(Mechanical)
- Muhammad Ajmal Shah (Batch 2023)(Mechanical)

### SUPPORT STUDENT VOLUNTEERS

- Hyder Muneer (Batch 2022)
- Malik Fuzail (Batch 2022)
- Sheikh Musharid (Batch 2022)
- Danish Choudhry (Batch 2022)
- Qazi Mehran (Batch 2022)
- Mubashir (Batch 2022)
- Anas (Batch 2022)
- Malik Tufail (Batch 2022)
- Faizan Mubarak (Batch 2022)
- Syed Sadaat Zafar (Batch 2021)
- Inam ul Amin (Batch 2021)
- Faisal Bilal (Batch 2021)
- Adnan Tahir Shah (Batch 2021)
- Mir Yawar Abbas (Batch 2021)
- Uzair (Batch 2021)
- Sajid (Batch 2021)



“Engineering Innovation, Shaping Tomorrow!”





### 3. Layout Survey and Structural Design of the Automotive Workshop Facility

The construction of a new workshop facility next to the existing one is an exciting project taken up by the Project and Innovation Club. This new space will give students more opportunities to learn practical skills and work on real-life engineering challenges in a dedicated and well-equipped environment.



“The new workshop facility will greatly enhance the department’s infrastructure, providing a dedicated space for innovation, hands-on learning, and skill development. This project highlights the club’s dedication to helping students connect classroom learning with practical experience.”

#### KEY HIGHLIGHTS OF THE PROJECT:

- **Detailed Plans Completed:** We have finalized the structural and floor plans for the workshop, ensuring the design meets the needs of modern engineering studies. These plans provide a strong foundation for the facility’s construction and future use.
- **Collaboration with Universiti Malaysia Pahang:** On our first fieldwork day, we had the privilege of hosting students from Universiti Malaysia Pahang, who actively participated in the activities. Together, we analyzed the terrain to begin setting out the project’s foundation and marking the boundary for construction. It was an inspiring day of teamwork and learning. During their visit, we also shared the project’s purpose, scope, and the progress achieved so far.
- **Progress So Far:** With the initial phase complete, including detailed drawings and project briefings, we are now focused on moving forward with the construction. These preparatory efforts have established a solid foundation, ensuring precision and efficiency as we move forward to bring the workshop to life.





# Join the Club: Be a Part of the Change!

Are you passionate about creating, building, and innovating? Join the Project and Innovation Club and be part of a community that is shaping the future of civil engineering.

## Looking Ahead: What's Next?

Our journey doesn't end here! The club is gearing up for more impactful projects, including:

- Completion of Sports Infrastructure: Finalizing surface finishes, painting, and court markings to ensure a professional-grade sports experience.
- Lab Expansion: Incorporating advanced testing equipment in the Concrete Lab, such as compression testing machines and slump test apparatus.
- Green Building Initiatives: Exploring sustainable construction techniques and materials to contribute to eco-friendly development on campus.



*Together, We Build the Future!*

**Project and Innovation Club  
Department of Civil Engineering  
Institute of Technology, University of Kashmir**

## University of Kashmir: Active Student Clubs

The University of Kashmir hosts a diverse range of student clubs and organizations aimed at fostering holistic student development. These clubs, operating under the **Department of Students Welfare (DSW)**, provide platforms for students to engage in cultural, literary, social, and professional activities. Through these clubs, students gain opportunities to enhance their skills, broaden their knowledge, and contribute meaningfully to society. Below is a detailed overview of the various active clubs at the university, including their objectives and activities.



### Department of Students Welfare (DSW)

The **Department of Students Welfare (DSW)** plays a pivotal role in ensuring the overall welfare of students at the University of Kashmir. It oversees various student-oriented initiatives, addressing both academic and social concerns through structured programs and events. The DSW aims to support students in their holistic development by encouraging participation in extracurricular and co-curricular activities.

#### Objectives:

- To promote student engagement in cultural, literary, and social initiatives.
- To enhance students' leadership, communication, and critical thinking skills.
- To provide a nurturing environment for self-expression and innovation.
- To encourage interdisciplinary learning through collaborative programs.



**Activities:**

- Organizing inter-college and university-level cultural festivals.
- Conducting literary competitions, debates, and discussions.
- Facilitating student leadership programs and youth exchange initiatives.
- Hosting national and international conferences and workshops.

**Cultural and Literary Clubs**

The University of Kashmir has multiple cultural and literary clubs under the DSW, each catering to different aspects of student creativity and self-expression.

**Literary Club**

The **Literary Club** is a vibrant platform for students passionate about reading, writing, and literature. It nurtures a love for storytelling, poetry, and creative expression through various engaging activities.

**Objectives:**

- To foster literary creativity and appreciation among students.
- To develop students' writing, analytical, and critical thinking skills.
- To encourage students to explore literature beyond their academic curriculum.

**Activities:**

- Organizing creative writing workshops and poetry readings.
- Hosting book discussions, storytelling sessions, and literary debates.
- Encouraging student publications in university magazines and journals.
- Conducting essay writing and elocution competitions.



## Debate Club

The **Debate Club** is designed to cultivate students' ability to articulate their thoughts, engage in intellectual discussions, and refine their public speaking skills.

### Objectives:

- To improve students' oratory and argumentation skills.
- To encourage informed discussions on contemporary social, political, and economic issues.
- To develop critical thinking and logical reasoning abilities.

### Activities:

- Conducting interdepartmental and inter-university debate competitions.
- Organizing panel discussions and guest lectures.
- Hosting mock parliamentary sessions and Model United Nations (MUN) simulations.

## Drama Club

The **Drama Club** provides students with an opportunity to explore performing arts, theater, and acting. It serves as a creative space for expression and storytelling through stage performances.

### Objectives:

- To nurture artistic talents in theater, drama, and stagecraft.
- To enhance students' confidence and public presentation skills.
- To promote cultural heritage through theatrical productions.

### Activities:

- Organizing annual theater festivals and drama workshops.
- Staging plays, skits, and street performances.
- Conducting scriptwriting and improvisation training sessions.



### Music Club

The **Music Club** celebrates musical talents and provides students with opportunities to learn, perform, and collaborate in different genres of music.

### Objectives:

- To encourage students to explore their musical potential.
- To promote traditional and contemporary music forms.



- To facilitate cross-cultural musical exchange.

**Activities:**

- Hosting musical performances, concerts, and talent shows.
- Conducting music workshops with professional artists.
- Providing mentorship in instrumental and vocal music.





## **Project and Innovation Club**

The **Project and Innovation Club** is dedicated to fostering creativity, problem-solving, and research-driven projects among students. It encourages them to develop innovative solutions to real-world challenges.

### **Objectives:**

- To support students in developing innovative projects and startups.
- To provide exposure to modern technology and research trends.
- To bridge the gap between academic knowledge and practical application.

### **Activities:**

- Organizing hackathons, project exhibitions, and startup incubation programs.
- Conducting technical and research workshops.
- Collaborating with industries for mentorship and funding opportunities.

## **Internship and Training Club**

The **Internship and Training Club** facilitates hands-on experience for students, ensuring they gain industry-relevant skills and exposure.

### **Objectives:**

- To prepare students for professional careers through industry exposure.
- To provide training in modern tools and technologies.
- To build partnerships with organizations for internship opportunities.

### **Activities:**

- Arranging industrial visits and field exposure trips.
- Hosting skill development programs and certification courses.
- Collaborating with companies for on-campus recruitment drives.

## **Industrial Visits and Site Surveys**

The university organizes **industrial visits and site surveys** to give students practical insights into their respective fields. The **Department of Civil Engineering**, for example, has conducted visits to:

- **Rangil Water Treatment Plant** (Understanding water purification systems).
- **AIIMS Awantipora Construction Site** (Observing large-scale infrastructure projects).
- **Palm Spring Flats, Peerbagh** (Learning modern architectural practices).
- **Dignibal, Ganderbal** (Conducting local area surveys using advanced equipment).



## Social and Awareness Clubs

### Red Ribbon Club

The **Red Ribbon Club** plays a vital role in spreading awareness about HIV/AIDS, health, and wellness through campaigns and community initiatives.

**Objectives:**

- To educate students and the community about HIV/AIDS prevention.
- To promote a healthy lifestyle and social responsibility.
- To organize blood donation and awareness camps.

**Activities:**

- Conducting seminars and workshops on public health.
- Organizing blood donation drives and health check-up camps.
- Running awareness campaigns through street plays and digital media.

**Youth Parliament**

The **Youth Parliament** provides a platform for young leaders to discuss, debate, and propose solutions to societal challenges, fostering political awareness and leadership skills.

**Objectives:**

- To cultivate a sense of civic responsibility among students.
- To encourage engagement in governance and policymaking.
- To develop leadership and diplomatic negotiation skills.

**Activities:**

- Hosting mock parliamentary sessions and debates on national policies.
- Inviting policymakers and activists for interactive discussions.
- Training students in public administration and governance.





## Department of IMBA North Campus - Social Club

- The **Social Club of the Department of Integrated MBA (IMBA), North Campus, University of Kashmir** is dedicated to fostering social responsibility, leadership, and community engagement among students. This club serves as a platform for students to participate in various social initiatives, humanitarian efforts, and awareness campaigns, aligning their management education with real-world societal challenges. The club actively organizes community outreach programs, environmental drives, and leadership workshops, ensuring that students develop a strong sense of civic duty and ethical leadership. Key activities include fundraising for social causes, organizing cleanliness and plantation drives, conducting seminars on social entrepreneurship, and collaborating with NGOs for welfare programs. By integrating business acumen with social awareness, the Social Club of IMBA North Campus empowers students to become responsible and empathetic leaders who contribute positively to society.



These clubs and organizations play a crucial role in enriching the student experience at the University of Kashmir, enabling them to explore their passions, build valuable skills, and contribute meaningfully to society. The university encourages all students to actively participate in these clubs to make the most of their academic journey.