

# Computer Science Society Documentation

## Innovation & Tech

### 1. Introduction

The **Innovation & Tech Wing** of Computer Science Society serves as the core engine of creativity, research, and technological development within the society. This wing is responsible for driving new ideas, building real-world projects, exploring cutting-edge technologies, and fostering a culture of innovation among members. It enables students to convert their concepts into functional prototypes while developing leadership and technical expertise.

### 2. Purpose of the Wing

The primary purpose of the Innovation & Tech Wing is to:

- Encourage students to explore modern technologies and tools.
- Develop impactful technical projects under strong leadership.
- Identify and recruit talent across the university with innovative potential.
- Provide an environment where ideas can transform into real solutions.
- Promote entrepreneurship and start-up thinking.
- Prepare students for industry by improving hands-on technical skills.

This wing acts as the research and development hub.

### 3. Roles Within the Wing

The Innovation & Tech Wing consists of the following roles:

#### Wing Head

The leader responsible for managing, planning, and executing all innovation-related activities.

#### Recruiters

Members dedicated to discovering and onboarding talented individuals with strong tech backgrounds and project experience.

## Project Team Leads

Individuals responsible for leading projects, managing small technical teams, assigning tasks, and ensuring timely completion.

## General Wing Members

Technical members working under project leads to build and research new ideas.

# 4. Responsibilities of Each Role

### Wing Head Responsibilities:

- Plan and initiate new projects.
- Monitor project progress and performance of team leads.
- Set monthly innovation goals.
- Communicate with the Vice President for cross-wing coordination.
- Approve new recruits and project teams.

### Recruiter Responsibilities:

- Identify talented individuals throughout the university.
- Review portfolios, GitHub profiles, past work, and project ideas.
- Conduct initial screening or interviews.
- Build and maintain a network of potential contributors.

### Project Team Lead Responsibilities:

- Manage project execution from idea to deployment.
- Assign tasks to team members and monitor performance.
- Maintain documentation and progress reports.
- Present updates to the Wing Head.

### General Member Responsibilities:

- Work on assigned technical tasks.
- Participate in brainstorming sessions.
- Contribute to research, development, and testing.

# 5. Benefits for Members

### Members of the Innovation & Tech Wing receive:

- Hands-on experience in real technical projects.
- Leadership and project management skills.
- Exposure to modern tools, frameworks, and technologies.
- Opportunity to build strong portfolios and GitHub profiles.
- Mentorship and collaboration with advanced students.
- Early access to innovation-based events, workshops, and competitions.
- Recognition within the community.

## 6. Skills Members Will Gain

- Problem-solving and critical thinking
- Programming and full-stack development (depending on project)
- Research and technical writing
- Leadership and communication
- Project management and teamwork
- Design thinking and innovation methodologies

## 7. Weekly Goals

Every week, the Innovation & Tech Wing aims to:

- Conduct at least **one project progress meeting**.
- Hold **brainstorming or R&D sessions** for new ideas.
- Provide status updates to the Wing Head.
- Assign weekly development tasks.
- Update documentation and GitHub repositories.

## 8. Yearly Goals

At the end of each year, this wing should aim to achieve:

- Completion of **2–4 major innovative tech projects**.
- Recruitment of new talented members.
- Organizing technical workshops or hackathons.
- Building a stronger research culture.
- Publishing project documentation or demonstrating prototypes.
- Collaborating with the Research & Career Development Wing on advanced ideas.

## 9. Overall Purpose Summary

The Innovation & Tech Wing exists to transform the university's creative minds into skilled builders and leaders. Through collaboration, leadership, and research, this wing plays a crucial role in shaping society's identity as a technology-driven society.