

# CS Society (female Wing)

The legacy of code and creativity

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## Contributions and Collaborations



### Introduction

The Computer Science Society (CSS) has emerged as a vital platform for fostering innovation and skill development among students. Over the past year, CSS has made significant contributions by organizing workshops, coding competitions, and tech talks, which have empowered students to enhance their technical knowledge and apply it in real-world scenarios. The society has also facilitated networking opportunities with industry professionals, helping students bridge the gap between academic knowledge and industry practices. This report highlights CSS's activities, initiatives, and achievements, showcasing its commitment to building a supportive and engaging environment for budding computer scientists. CSS has also been active in conducting the entry tests, orientation of Freshers, and inauguration of new labs as well.

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## Industrial Tour to Devsinc – Bridging Classroom Learning with Industry Realities



The Computer Science Society, under the umbrella of the Department of Computer Science, Faculty of Computing (IIUI), organized an industrial tour to Devsinc, a leading software company located in I-10/3, Islamabad.

This initiative was part of the department's ongoing efforts to enhance students' academic experience through experiential learning and industry engagement. The tour was designed to expose students to

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real-world software development environments, modern tech stacks, and professional workflow methodologies that align with current market needs.

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## Academic Relevance and Learning Outcomes

The visit provided practical insights into several key academic areas:

- **Software Engineering Practices:** Students observed Agile and DevOps methodologies being implemented in live projects. They learned about sprint planning, version control, and continuous integration pipelines.
  - **Web & Mobile Development Frameworks:** Devsinc teams showcased front-end and back-end technologies used in enterprise-grade applications, which reinforced topics covered in Web Engineering and Mobile Application Development courses.
  - **Project Management & Collaboration Tools:** Through interaction with product managers and software engineers, students explored tools like Jira, Git, and Slack, understanding how cross-functional teams operate in real-time.
  - **Career Readiness:** The session included a Q&A with Devsinc HR and technical staff, offering guidance on internships, professional skill-building, and recruitment trends in the IT sector.
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## Industry-Academia Collaboration

The visit reflected the Department's commitment to strengthening industry-academia linkages, a core objective of IIUI's academic strategy. Students gained:

- Exposure to modern software company culture
  - Understanding of career pathways in development, QA, DevOps, UI/UX, and data science
  - Real examples of how theoretical concepts from courses like Database Systems, Human-Computer Interaction, and OOP are applied in daily operations
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## Event Highlights

- Live walk-through of development floors and collaborative workspaces
- Interactive sessions with Devsinc engineers and team leads
- Group photo sessions and certificate distribution for attendees (if applicable)

FYP showcase



### Final Year Project (FYP) Showcase –

The Department of Computer Science & Information Technology , Faculty of Computing at International Islamic University Islamabad (IIUI), successfully organized a Final Year Project (FYP) Showcase for BS Computer Science students. This event served as a platform for graduating students to exhibit their year-long efforts, present their innovative solutions, and demonstrate the practical applications of their academic learning.



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The FYP Showcase highlighted the department's commitment to outcome-based education, encouraging students to develop problem-solving, design, and technical skills aligned with real-world demands.

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## **Purpose of the Event**

The primary objective of the FYP Showcase was to:

- Assess students' ability to apply theoretical concepts in practical settings
- Promote interdisciplinary thinking and technical creativity
- Provide students with opportunities to gain feedback from faculty, industry guests, and peers
- Inspire junior students by demonstrating the scope and quality of final-year work

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## **Projects Presented**

The projects covered a diverse range of domains, including but not limited to:

- Artificial Intelligence & Machine Learning
- Web and Mobile Application Development
- Data Analytics Dashboards
- IoT and Smart Systems
- Database systems

Each group presented their project through:

- Live demos
- Poster presentations
- Documentation
- Q&A sessions with faculty panels



## HEC Academic Visit – Faculty of Computing

The Faculty of Computing at **International Islamic University Islamabad (IIUI)**, hosted an official visit by a delegation from the **Higher Education Commission (HEC) of Pakistan**. The visit was conducted as part of HEC's ongoing **quality assurance and academic program review** initiative to evaluate the effectiveness, standards, and compliance of undergraduate degree programs across Pakistani universities.

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### 🎯 Purpose of the Visit

The visit aimed to:

- Review the BS Computer Science (BSCS), BSIT, BSSE, BSBI program structure and curriculum
- Evaluate teaching methodologies, faculty credentials, and infrastructure
- Ensure alignment with HEC's Revised Curriculum Guidelines
- Interact with students, faculty, and administration to assess academic environment
- Assess the department's readiness for Outcome-Based Education (OBE) and Self-Assessment Reports (SARs)

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### 👥 Delegation Details

The HEC panel included:

- **Subject Experts** in Computer Science and IT

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- **Quality Assurance Representatives**
  - **Program Evaluators** affiliated with HEC or affiliated accrediting bodies

The delegation conducted a comprehensive review, which included:

- Presentation on program structure, learning outcomes, and teaching strategies
- Departmental walkthrough including classrooms, labs, faculty offices, and resource centers

Recommendations (if any) were noted for continuous quality improvement and enhancement of industry linkages.

## 📌 Conclusion

The HEC visit was a vital step in reinforcing the academic credibility and institutional transparency of the BSCS program. It allowed the Department of Computer Science to reflect on its strengths, address potential areas for improvement, and reaffirm its commitment to **quality education, research, and student development in line with national standards. Such evaluations are key in maintaining the academic excellence and recognition of IIUT's computing programs both nationally and internationally.**



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## Seminar on Cyber security



### Seminar on Cyber security – Empowering Students with Digital Defense Skills

The **Department of Computer Science**, Faculty of Computing at **International Islamic University Islamabad (IIUI)**, successfully organized an insightful **Seminar on Cyber security**. The seminar was aimed at equipping students with awareness and knowledge of modern cyber security threats, defense mechanisms, and career opportunities in the cyber security domain.

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#### 🎯 Objective of the Seminar

The primary goals of the seminar were to:

- Educate students on cyber threats, vulnerabilities, and attack vectors
- Highlight best practices in personal and organizational digital security
- Introduce tools used in network security, ethical hacking, and incident response
- Bridge the gap between academic theory and real-world cyber security practices



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- Encourage students to explore cyber security as a career path
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The speaker delivered an interactive presentation on:

- Current cyber security landscape in Pakistan and globally
- Types of attacks: phishing, malware, ransomware, DDoS, and insider threats
- Introduction to security tools like Wireshark, Kali Linux, Nessus
- The importance of ethical hacking and **Certified Ethical Hacker (CEH)** certification
- Career development paths in cyber security



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## Cyber Sharks

The Cyber Sharks Seminar organized by the Computer Science Society united experts, students, and professionals for an in-depth look at today's critical cyber security challenges. The event drew a diverse audience from departments such as Computer Science, IT, Software Engineering, and Bioinformatics.

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## Data Fest 2024







### **Data Fest 2024 at Pak-China Friendship Centre**

The members of the Computer Science Society volunteered and arranged a tour of the Pak-China Friendship Center for the Data Fest 2024, the biggest tech event in Pakistan, organized by the Pakistan Bureau of Statistics.

