The ICFAI University, Jaipur

Report on Internal Hackathon for SIH 2024

Date: 06 September, 2024

The Internal Hackathon at IcfaiTech was successfully conducted on 6th September 2024, at 11:00 AM in Seminar Room 016 at ICFAI University. This event served as a preliminary round for the prestigious Smart India Hackathon 2024, scheduled to be held in November by the Government of India.

The event was graced by Mr. S.S. Jain, Senior Advisor at The ICFAI University, Jaipur, as the Chief Guest. His presence and words of wisdom significantly motivated the participants. Director A.K. Saini also attended the event as a guest, adding value to the proceedings with his insightful remarks on innovation and leadership.

The Internal Hackathon for SIH 2024 at our college was a vibrant and dynamic event, filled with enthusiasm and creativity. Students from various disciplines came together, forming teams to tackle diverse problem statements. The atmosphere was electric as participants brainstormed, collaborated, and worked tirelessly on their innovative solutions. Each team was deeply engaged, driven by curiosity and a desire to create something new and impactful. The hackathon provided a platform for students to apply their academic knowledge to real-world challenges, fostering a culture of innovation and practical problem-solving. Throughout the event, there was a palpable sense of excitement and support. Teams were seen huddling together, discussing ideas, coding, and testing their prototypes. The collaborative spirit was evident as students shared insights and helped each other overcome obstacles. The hackathon not only showcased the technical prowess of our students but also highlighted their ability to think creatively and work effectively in teams. It was a testament to their dedication and passion for learning and innovation.

Overall, the Internal Hackathon for SIH 2024 was a resounding success, setting a high standard for future events and inspiring students to continue exploring and pushing the boundaries of their creativity.

Problem statement:

PS Number	Problem Statement Title	Team Name
SIH1649	DDoS Protection System for Cloud: Architecture and Tool	Hacxa
SIH1642	A comprehensive AYUSH Startup Registration Portal to streamline the registration process for startups in the AYUSH sector, enhancing efficiency, transparency, and accessibility.	Tech Lions

SIH1605	Women Safety Analytics – Protecting Women from safety threats	Synapse Squad
SIH1607	A smart AI based solution for traffic management on routes with heavy traffic from different directions, with real-time monitoring and adaptation of traffic light timings	Data Dynamos
SIH1591	Student Innovation(Travel & Tourism)	Innov8
SIH1607	A smart AI based solution for traffic management on routes with heavy traffic from different directions, with real-time monitoring and adaptation of traffic light timings	Algorithm_Avengers
SIH1631	AI-Powered Student Assistance Chatbot for Department of Technical Education, Government of Rajasthan.	Idea Architects
SIH1711	Enhancing Rail Madad with Al-powered Complaint Management	Team Beginners
SIH1648	Online Chatbot based ticketing system	Techiee Nerds
SIH1637	Mobile App for Direct Market Access for Farmers	CodeSena
SIH1671	Develop a functional solution that demonstrates the face liveness detection	Q*
SIH1648	Online Chatbot based ticketing system	Zeroday coder
SIH1649	DDoS Protection System for Cloud: Architecture and Tool	Defense matrix
SIH1602	Student Innovation (Space Technology)	AI Ninjas
SIH1599	Student Innovation(Fitness & Sports)	Matrix Master
SIH1707	Development of a Geolocation-Based Attendance Tracking Mobile Application.	Code crafter

Judgement Process

The evaluation of teams in the SIH 2024 internal college hackathon was conducted based on a comprehensive set of criteria, ensuring a fair and balanced assessment of their efforts. The key aspects considered by the judges included:

1. **Stage Performance**: Each team was evaluated on their ability to confidently present their ideas and solutions in front of the panel. The clarity of communication, engagement with the audience, and response to questions were crucial factors in this category.

2. **Unique Idea**: Innovation and originality were at the heart of the judgment process. Teams were assessed on how novel their ideas were, along with the creativity and problem-solving potential demonstrated by their projects.
3. **Presentation**: The effectiveness of the overall presentation played a significant role in the evaluation. Judges considered the structure, visual appeal, and professionalism of the presentation, as well as the ability to effectively showcase the core aspects of their project. By using this multi-dimensional approach, the judges ensured a thorough evaluation of each team's project, focusing on both their technical and presentation skills.

Top Performing Teams

The SIH 2024 hackathon highlighted three standout teams for their innovative solutions:

1. **SIH1607**: Developed a smart AI-based traffic management system, enabling real-time monitoring and dynamic adaptation of traffic light timings to reduce congestion on high-traffic routes.
2. **SIH1605**: Created a Women Safety Analytics platform aimed at enhancing protection by identifying and mitigating safety threats through data analysis.
3. **SIH1649**: Designed a robust DDoS Protection System for Cloud infrastructures, focusing on an advanced architecture and tools to safeguard against cyberattacks.

These teams were recognized for their exceptional innovation and execution.

The evaluation panel for the SIH 2024 internal hackathon consisted of experienced and knowledgeable faculty members, each bringing years of expertise in their respective fields:

1. **Dr. Manindra Trihotri -** Professor (Physics)- Ph.D (MANIT), M.Sc., B.Sc.
2. **Dr. R.K. Chaursia** Professor (ECE), HOD, ECE, Ph.D, M.Tech (MNIT), B.E.
3. **Dr. Shiv Kumar** Professor (Mgmt. Dept.) MBA, MCA, M.Phil., Ph.D

These esteemed judges provided valuable insights and ensured a fair and thorough evaluation of the teams' projects.

Participation Statistics

The SIH 2024 internal hackathon saw enthusiastic participation, with a total of **16 teams**, each consisting of 6 members, resulting in **96 students** taking part in the event. The gender breakdown of participants was as follows:

- **Girls**: 28
- **Boys**: 68

This diverse group of students showcased their skills and creativity, contributing to a vibrant and competitive atmosphere throughout the hackathon.

Social Media Links

The SIH 2024 internal hackathon was actively promoted and marketed across various social media platforms, enhancing its visibility and engagement. Below are the links where the event was highlighted:

- **LinkedIn**:
  ICFAI Tech University Post
  A.K. Saini's Post
- **Instagram**:
  Event Promotion Post

These platforms played a significant role in the event's outreach and engagement.

Glimpse of the events are:

Jaipur, Rajasthan, India
The Icfai University, 86, Baldeogarh, Jaipur, Rajasthan 302031, India
Lat 26.888847°
Long 75.891589°
06/09/24 03:30 PM GMT +05:30

Jaipur, Rajasthan, India
Plot No A 10, Kanji Nagar Camby Golf Road, Agra Road Jaipur, Kanzi Nagar, Jaipur, Rajasthan 302031, India
Lat 26.887775°
Long 75.889158°
06/09/24 03:40 PM GMT +05:30