RIMT UNIVERSITY

SCHOOL OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF CIVIL ENGINEERING
PUNJAB-147301

Event Report

Event Type: Alumni Talk

Topic: "Role of Technology in Modern Civil Engineering"

Date: 08 -11-2025

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Er. Heena Manzoor (Assistant Professor)
Event Coordinator

Er. Brahamjeet Singh
Head of Department

An "Alumni Talk" on November 8, 2025. Mr. Shahid Manzoor, Executive engineer at IRCON INTERNATIONAL LIMITED , an alumnus of civil engineering 2015 batch was invited to deliver alumni talk in virtual mode on the theme "Role of Technology in modern civil engineering".

The session was opened by the HoD of the Civil Engineering Department, who welcomed Shahid Manzoor and introduced him, highlighting his academic journey and professional experience. The speaker then shared his gratitude and stated his objective: to give the students an insight into how technological advancements are shaping modern civil engineering practices, and how students can adapt to and leverage these changes.

1. **Evolution of Technology in Civil Engineering**

- Shahid began with a review of how civil engineering practices have evolved: from manual drafting and surveying to digital modelling, Building Information Modelling (BIM), drones, sensors and IoT.
- He emphasised that while fundamentals (like structural analysis, materials science, surveying) remain constant, the tools and workflows are rapidly changing.

2. **Current Technologies Making an Impact**

- He discussed several technologies currently influencing civil engineering:
    - BIM and 3D modelling for design and coordination.
    - Drones and LiDAR for surveying and site inspection.
    - IoT sensors in infrastructure for monitoring (e.g., bridges, buildings).
    - Use of machine learning/data analytics for predictive maintenance, optimisation of resource usage.
    - He illustrated these with examples from his professional projects – how these technologies improved efficiency, accuracy, safety and cost-effectiveness.

3. **Challenges & Considerations**

- Adoption of technology brings challenges: cost of deployment, required skill-sets, data management, and interoperability of tools.
- He also emphasised that technology is not a replacement for engineering judgement and domain knowledge — rather, a powerful aid.

4. **Implications for Students & Young Engineers**

- Shahid provided advice for students of the Civil Engineering Department:

- Build a strong foundation in core civil engineering concepts (so you understand what the technology is modelling or measuring).
- Get comfortable with digital tools – CAD/BIM, GIS, data-analysis software, programming basics (if possible).
- Embrace internships and project work that expose you to emerging technologies.
- Soft skills: communication, teamwork, adaptability – because technology often changes workflows and roles.

He encouraged the students not just to follow current technologies but also to be open to innovation: "ask how we can do better", he said.

5. **Q&A / Interactive Discussion**
   - A lively Q&A followed. Students asked about how small/medium firms are managing technology adoption, how to pick which tools to learn, and how the civil engineering curriculum can align with these emerging demands.
   - Shahid offered candid responses: start small (learn the basics of one tool), collaborate with peers, use open-source/free tools where possible, and continuously update your skill-set.
   - He also suggested university clubs or student groups could set up mini-projects using drones, sensors, or BIM to gain hands-on experience.

Concluding Remarks

The event was concluded with a vote of thanks by Er Brahamjeet Singh .The entire event was coordinated by Er Heena Manzoor. Overall, the talk was insightful, motivating, and well received. It helped bridge the gap between textbook civil engineering and the rapidly evolving, technology-driven professional landscape.

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PUNJAB-147301

RIMT University				
Civil Enigneering Department				
Alumni Talk			Date: 8 Nov, 2025	
Sr.No.	Semester	Name	Roll No.	Signature
1	7th	Zenith Oinam	22-B-CE-003	Zenith
2	7th	M. Biswa Singh	22-B-CE-001	M. B
3	5th	Sushil kumar	23-B-CE-002	
4	3rd	Ujjwal Dubey	25BCELE001	
5	3rd	Rishakon Khumanthem	24BCE005	Rishakon .kh.
6	3rd	Laishram Paras meitei	24BCE004	Laishram Paras meitei
7	3rd	Pashil Selpa Anal	24DCE003	
8	3rd	Abhishek Kumar	24DCE031	Abhishek
9	3rd	Hijam Daisyna	24DCE003	H. Daisyna
10	3rd	Rajkumar Ishworjit Singh	24BCE007	
11	5th	Md Mazoom	23-D-CE-003	
12	5th	Kaushal Krishna	23-D-CE-004	Kaushal Krishna
13	3rd	Jackson T. Hillie	24BCE008	
14	5th	Manjot singh	23-D-CE-002	Manjot singh
15	5th	Karan Kumar	24-DCE-LE-002	Karan kumar
16	5th	Sindhant Sharma	23-D-CE-008	Sindhant Sharma
17	7th	Shakir Fayaz	22-B-CE-002	Shakir Fayaz
18	8th	Mukesh Khuchan	22-B-CE-004	
19	3rd	Akash Kumar yadav	24BCE002	Akash Yadav
20	5th	YODIYGA JESSE	23-B-CE-005	
21	5th	Shivam Pandey	23-DCE-007	Shivam
22	7th	Khemal Kharibam	22-B-CE-005	Khemal
23	1st	Manpreet Singh	25MCE-004	Manpreet
24	1st	Zorawar Singh	25MCE-001	Zorawar
25				

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JOIN THE ALUMNI TALK
Join the talk that keeps you inspired and engaged.
SPECIAL GUEST
SHAHID MANZOOR
EXECUTIVE ENGINEER
IRCON INTERNATIONAL LIMITED
LISTEN NOW
Date: 08/11/2025
Time: 2:00 pm

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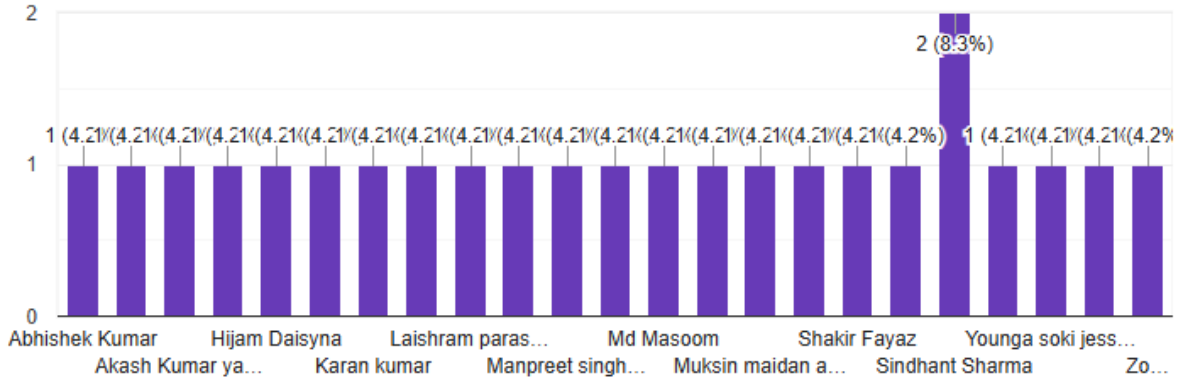
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Abhishek Kumar
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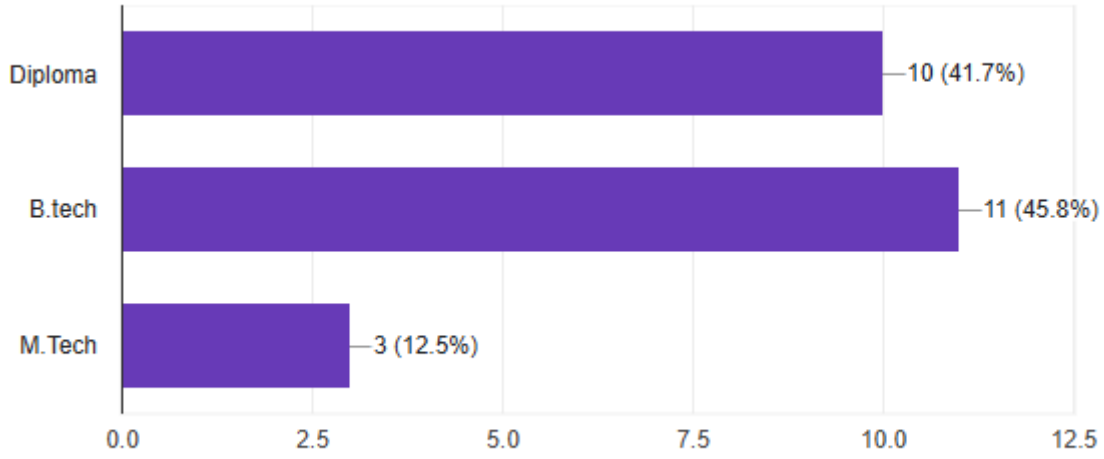
Hijam Daisyna
Karan kumar
Laishram paras...
Manpreet singh...
Md Masoom
Muksin maidan a...
Shakir Fayaz
Sindhant Sharma
Younga soki jess...
Zo...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M.Tech
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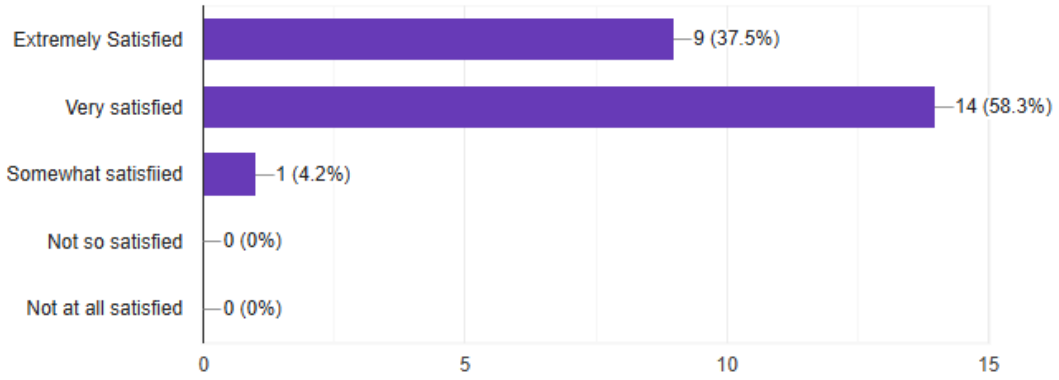
How Satisfied were you with the event?

Copy chart

24 responses



Any other comment

24 responses

It was a great session

It was an interactive session and of course it helped me to achieve an idea about my career opportunities in future path.

This event is very helpful to us.

Feels so thankful for giving us some time and sharing your experience

Very Good

Very smarter