




## Department of Civil Engineering

# Newsletter Highlights

Alumni Connect



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**Jul.-Sept. 2024**

VOLUME XVI, ISSUE III  
**NEWSLETTER**

# From Chief Editor's Desk



**Prof. (Dr.) Tabassum Abbasi**  
HOD, Department of Civil Engineering

**Dear Readers,**

As we embark on another exciting semester in the Civil Engineering Department, I want to take a moment to reflect on our achievements and look ahead to the opportunities that await us.

This past year, our students have demonstrated remarkable dedication and innovation, whether in their projects, internships, or research. Your hard work is a testament to the strength of our program and the bright future of our profession.

Looking forward, we have several initiatives and events planned, including guest lectures from industry leaders, workshops, and competitions. These activities will not only enhance your learning experience but also strengthen our ties with the engineering community.

I encourage each one of you to take advantage of these opportunities and to stay engaged with your peers and faculty. Collaboration and communication are key to our success.

Let's continue to strive for excellence together. I'm excited to see what this semester holds for us.

**Prof. (Dr.) Tabassum Abbasi**  
Chief Editor & HOD Dept. of CE

**Education**  
is the most powerful weapon  
which you can use to  
**Change the World**

~Nelson Mandela

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# GREEN ROOF SYSTEMS

Green roof systems, also known as living roofs, are innovative landscaping solutions that involve growing vegetation on the rooftops of buildings. They offer numerous environmental, economic, and social benefits, making them an increasingly popular choice for urban planning and sustainable architecture. Here's an overview of the main types, components, benefits, and challenges of green roof systems: Types of Green Roof Systems:-

- Extensive Green Roofs
- Intensive Green Roofs
- Semi-Intensive Green Roofs



## Benefits of Green Roof Systems

- Environmental Benefits
- Economic Benefits
- Social Benefits

## Challenges of Green Roof Systems

- **Initial Costs:** The installation of green roofs can be more expensive than traditional roofing due to the need for specialized materials and labor.
- **Maintenance:** While extensive systems require less maintenance, both types still require regular upkeep such as weeding, irrigation, and monitoring plant health.
- **Structural Considerations:** Not all buildings are suitable for green roofs; structural assessments are required to ensure the roof can support the additional weight.
- **Plant Selection:** Choosing the right plants for specific climate conditions and roof orientation is crucial for the success of the roof.
- **Water Management:** Effective design must manage water for plant health while preventing excess that can lead to leaks or structural issues.

## Conclusion

- Green roof systems are a forward-thinking approach to urban planning that contribute to sustainability and ecological health. With careful design, implementation, and maintenance, these systems can provide considerable benefits to urban environments, making them a valuable consideration for architects, developers, and city planners.

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# ALUMNI CONNECT

On 26th Sep 2024, an Alumni connect program was conducted by the Department of Civil Engineering. The speaker for the program was Mr. Amit Thakur, (Batch 2014-18). He is currently working as Manager Billing & Cost in Surbana Jurong India Pvt. Ltd. (SJ Group), Gurugram and responsible for designing, implementing, and enforcing policies and procedures, as well as streamlining effective billing processes across multiple locations. He interacted with his juniors about the responsibility for leading and planning the billing, accounts receivable, and collections operations.



Mr. Amit Thakur, Alumni, 2014-18 batch, interacting with the students

## Department Of Civil Engineering



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