



Panipat Institute of Engineering and Technology

Approved by A.I.C.T.E. & Affiliated to Kurukshetra University, Kurukshetra
70, MILESTONE, G. T. ROAD, SAMALKHA, PANIPAT-132103, HARYANA
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Department of Civil Engineering

Ref. No.: PIET/CE/ICT/2023/08

Date: 16th March 2023

NOTICE

Session on “Smart Cities - A Case Study for Civil Engineering Students”

This is for the information of all concerned that the Department of Civil Engineering is organizing a session on **“Smart Cities - A Case Study for Civil Engineering Students”** on 12th April 2023. The session will start at 11:00 AM in Room no. G-306, Second Floor. The event will be coordinated by Mr. Devender (Assistant Professor, Civil Engineering Department). Interested students can contact the event coordinator with further queries. He will carry out all necessary arrangements for the event.

HEAD
CIVIL ENGINEERING DEPARTMENT
PANIPAT INSTITUTE OF ENGINEERING, TECHNOLOGY
SAMALKHA (PANIPAT)

Head of Department

CC

Notice Board



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Report on “Smart Cities - A Case Study for Civil Engineering Students”

Event Details	
Title of the Event	Smart Cities - A Case Study for Civil Engineering Students
Date of the Event	12 th April, 2023
Timings	11:00 AM onwards
Venue	Room no. G-306, Second Floor
No. of Participants Enrolled	35
No. of Participants Attended	35
Mode	Offline
Resource Persons	Mr. Balraj Singh Assistant Professor Civil Engineering Department Panipat Institute of Engineering and Technology
Coordinator	Mr. Devender

A session on smart cities was conducted for B.Tech. Civil Engineering students on 12th April 2023, with the objective to educate the students on the concept, components, and implementation of smart cities by explaining a case study. The resource person for this event was Mr. Balraj Singh (Assistant Professor, Civil Engineering Department, PIET). He has a total teaching experience of 8 years and has given several lectures and case studies on smart cities. The head of the department, Mr. Gaurav Kumar, welcomed and introduced the resource person to the students. The session began with an introduction to smart cities, highlighting their importance in addressing urbanization challenges through innovative and sustainable solutions. Key aspects discussed included the integration of advanced technologies such as IoT (Internet of Things), AI (Artificial Intelligence), and big data analytics to enhance urban infrastructure and services. The session emphasized the role of smart grids in optimizing energy consumption, smart transportation systems in reducing traffic congestion and pollution, and smart water management in ensuring efficient use and distribution of water resources. Further, the discussion covered the importance of sustainable building practices, including using green materials and energy-efficient designs. Smart governance was also introduced, where e-governance and digital platforms facilitate citizen engagement and efficient service delivery. Finally, the discussed points of smart cities were adequately explained by giving a case study on smart cities. The students enjoyed the session, and the outcomes of the session are as follows:

- Students comprehensively understood the smart city concept and its importance in modern urban planning and development.
- Students learned about the key technologies used in smart cities, including IoT, AI, and big data analytics.
- Students were introduced to sustainable building practices and their role in creating energy-efficient and environmentally friendly urban spaces.
- Students recognized the need for interdisciplinary collaboration in developing smart cities, preparing them for future professional teamwork.

At the end of the event, the head of the department, Mr. Gaurav Kumar, facilitated the speaker with a warm speech. Finally, the event was concluded with a vote of thanks by Mr. Devender.



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Picture of session



Picture: Mr. Balraj Singh during the session on Smart Cities



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Smart Cities - A Case Study for Civil Engineering Students

List of Attendees

Sr. No.	Roll No.	Name	Department	Year	Sign
1	2819654	NITIN SHARMA	Civil	Fourth	Nitin
2	2819657	MONU BAJPAYEE	Civil	Fourth	Monu
3	2819658	REETIKRAJ YADAV	Civil	Fourth	Reetiblog
4	2819659	KOSHIK SAGOTRA	Civil	Fourth	KoshiK
5	2819661	MOHIT KUMAR	Civil	Fourth	Mohit
6	2819663	PRASHANT KUMAR	Civil	Fourth	Prashant
7	2819664	AYUSH	Civil	Fourth	Ayush
8	2819665	SAIBER RAJ CHROM	Civil	Fourth	Saiber
9	2819666	DHEERAJ	Civil	Fourth	Dheer
10	2819668	VINAY KUMAR	Civil	Fourth	Vijay
11	2819674	ANKIT TRIPATHI	Civil	Fourth	Ank
12	2819677	AMIT	Civil	Fourth	Amit
13	2819678	NISHANT	Civil	Fourth	Nishant
14	2819683	RAKESH KUMAR SAH	Civil	Fourth	Rakesh
15	2819681	DHIRAJ KUMAR SAH	Civil	Fourth	Dhiraj
16	2819685	SHEIKH ASHIQ	Civil	Fourth	Shekh
17	2819690	PRAKASH MISHRA	Civil	Fourth	Prakash
18	2819693	LOKESH	Civil	Fourth	Lokesh
19	2819695	MENON MEHTA	Civil	Fourth	Menon
20	2819697	MAHENDRA SUNAR	Civil	Fourth	Mahen
21	2819711	NEHA KUMARI MAHATO	Civil	Fourth	Neha
22	2819712	BARSHA KUMARI MAHATO	Civil	Fourth	Barsha
23	2820971	DAKSH VERMA	Civil	Fourth	Daksh
24	5120465	ADITYA	Civil	Fourth	Aditya
25	2820701	RAKSHIT SHARMA	Civil	Third	Rakshit
26	2820702	PARSHANT ROHILLA	Civil	Third	Parshant
27	2820703	PARIT JAIN	Civil	Third	Parit
28	2820705	HEMANI	Civil	Third	Hemani
29	2820706	SONALAL SAH TURAHA	Civil	Third	Sona
30	2820709	SAHIL	Civil	Third	Sahil
31	2820710	AMAN KUMAR	Civil	Third	Aman
32	2820711	NIKHIL KUMAR	Civil	Third	Nikhil
33	2820712	VIJAY CHAUDHARY	Civil	Third	Vijay
34	2820714	GAURAV KUMAR	Civil	Third	Gaurav
35	2820715	VISHWAS	Civil	Third	Vishwas

Mr. Devender
co-ordinator