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# IoT Gems 3.0

**Date:** 10-06-2023 & 24-06-2023

**Duration:** College Hours

## Objective:

In an effort to foster knowledge and practical skills in the realm of embedded systems and the Internet of Things (IoT), PSIT IoT Club proudly presents IoT Gems 3.0. This two-day event, scheduled on 10-06-2023 and 24-06-2023 during college hours, combines a captivating quiz session and a hands-on training workshop. Our objective is to enrich students' understanding of current trends in IoT and empower them with practical insights into the embedded world.

## Event Overview:

IoT Gems 3.0 is a dynamic initiative by the PSIT IoT Club, offering a unique blend of education and practical application. The event kicks off with an engaging quiz on 10th June 2023, serving as a prelude to a comprehensive two-day hands-on training workshop. The venue spans from J-34 to J-36 and L-31 to L-34.

A total of 122 registrations were received, and after a rigorous selection process, 50 students emerged as finalists. We extend our heartfelt congratulations to the winners selected for the IoT Gems 3.0 hands-on training.

## Training Program Schedule:

- **Venue:** J 33, ECE department, PSIT Kanpur
- **Day 1:** 10-06-2023 (4 hours)

- **Day 2: 24-06-2023 (4 hours)**

**Session Timing:**

- **10:00 AM - 12:00 PM: Session 1**
- **2:00 PM - 4:00 PM: Session 2**

**Don't miss the opportunity to enhance your skills and delve into the exciting world of IoT**

**Total participants: 50**

# Gallery



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AICTE - SPICES (Scheme for Promoting Interests, Creativity and Ethics among Students)

## OFFLINE MODE TRAINING MODULE

**June 10, 2023**

- Introduction to IoT
- Installation of IoT Necessary Software
- Introduction of hardware like: Arduino Board, ESP series board, Raspberry Pi Board
- Input / Output Device & Sensor Interfacing with Microcontroller

**June 24, 2023**

- Sending the sensor data to the server
- Home automation through IoT server
- Concept of robotics & operation of robot through IoT server
- Live demo and working explanation of IoT based projects

### Resource Persons



**Mr. Ankit Jain**  
Assistant Professor  
ECE Department, PSIT



**Mr. Shailendra Sinha**  
Assistant Professor  
ECE Department, PSIT

Faculty Co-ordinators

Dr. Shailendra Singh | Dr. Puspraj Singh Chauhan | Mr. Ankit Jain | Mr. Shailendra Sinha  
ECE, J-34, PSIT Campus

[www.psit.ac.in](http://www.psit.ac.in)





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## WINNERS

FOR  
IOT GEMS 3.0  
OFFLINE TRAINING

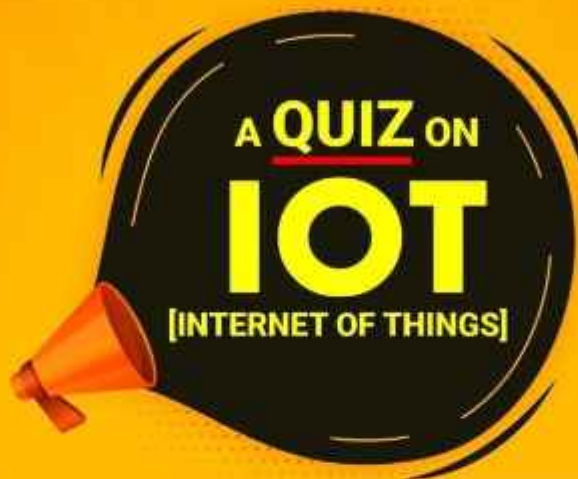
#	NAME	ROLL NO.	#	NAME	ROLL NO.
1	Aditya Chopra	2101641550011	26	Nikunj Agarwal	2101641540058
2	Ritik Gangwar	2101641530124	27	Harshit Sharma	2101641550042
3	Yashika Singh	2101641540107	28	Anshuman Yadav	2101640100052
4	Divyansh Pratap Singh	2101641540035	29	Smriti Gupta	2101641540092
5	Devashish Mishra	2101641550035	30	Satyam Singh	2101641540078
6	Ujjwal Shukla	2101640310079	31	Shivanshu Kumar	2101640310071
7	Shubhansh Sharma	2101640310073	32	Pratik Sachan	2101640310055
8	Prateek Dubey	2101640310052	33	Diksha Singh	2101640310027
9	Ankit Kumar Jha	2101640310012	34	Akash Tripathi	2101640310008
10	Suvidhi Singh	2101641540096	35	Adarsh Nigam	2101641550010
11	Prashasti Tripathi	2101640310051	36	Aditya Gupta	2101640310003
12	Anuj Agnihotri	2101641550021	37	Nikhil Singh	2101640310047
13	Prateek Singh	2101640310053	38	Yash Marolia	2101640310090
14	Nitya Pandey	2101640310050	39	Pragati Singh	2101641550055
15	Himanshu Rajput	2101640310033	40	Vaishali Pandey	2101640310082
16	Insha Qadir	2101641540045	41	Yash Tripathi	2101641540106
17	Abhinav Singh	2101641550005	42	Rishabh Verma	2101641530122
18	Chhama Yadav	2101641550033	43	Abhishek Kumar	2101641540004
19	Ankit Jain	2101641530028	44	Mansi Shukla	2101641540051
20	Prachi Srivastava	2101641540063	45	Anamika Singh	2101641540015
21	Deepali Gupta	2101641540031	46	Sonu Gupta	2101641550077
22	Princy Sharma	2101641540068	47	Muskan Kushwaha	2101640310044
23	Nakul Balaiwar	2101641540055	48	Prateek Singh	2101640310054
24	Shruti Singh	2101641550073	49	Shubhi Gupta	2101641540090
25	Anuradha	2101641530033	50	Aradhya Trivedi	2101641540021

Faculty Co-ordinators

Dr. Shailendra Singh | Dr. Puspraj Singh Chauhan | Mr. Ankit Jain | Mr. Shailendra Sinha  
ECE, J-34, PSIT Campus



## IoT Club organises



FOR SPECIALIZED HANDS-ON TRAINING ON **SMART IoT BASED SYSTEMS**

Sponsored By : AICTE - SPICES (Scheme for Promoting Interests, Creativity and Ethics among Students)

Quiz Date: June 6, 2023 | Time: 1:00 pm - 1:15 pm

[www.psit.ac.in](http://www.psit.ac.in)

Registration Link: <https://forms.gle/NnS3qWEsKfSuzNzi9>

Last Date of Online Registration : June 5, 2023

Test Venues: J-34 to J36, L-31 to L-34



Registration Link

For any query contact with Faculty Co-ordinators

Dr. Shailendra Singh | Dr. Puspraj Singh Chauhan | Mr. Ankit Jain | Mr. Shailendra Sinha  
ECE, J-34, PSIT Campus

















**IOT Gems 3.0**

Organized By  
**PRANVEER SINGH INSTITUTE OF TECHNOLOGY**

Sponsored By  
AICTE - SPICES (Scheme for Promoting Interests,  
Creativity and Ethics among Students)



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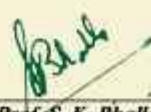
**CERTIFICATE OF APPRECIATION**

This certificate is presented to

**Dr. Shailendra Singh**

For Excellent Planning and Realistic Execution in the Conduction of  
2 Day Hands-On Training Program 'IOT GEMS 3.0' as 'IOT Coordinator & Club Ambassador'  
Organized by IoT Club of Pranveer Singh Institute of Technology, Kanpur in association  
with IIC & IETE, India on June 10, 2023 and June 24, 2023.

  
Prof. Raghvendra Singh  
HOD (ECE)

  
Prof. S. K. Bhalla  
Director, PSIT, Kanpur

[www.psit.ac.in](http://www.psit.ac.in)

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# IoT Gems 4.0

**Date:** 28-10-2024

**Duration:** College Hours

## **Objective:**

1. The main objective of this IoT training program under the umbrella of IoT club is to produce skilled students and to develop ability in students, so that they can understand current embedded world and IoT (Internet of Things).
2. The aim of this training program is to make the students to learn the basics of interfacing so that, students would be able to develop embedded & IoT based projects at their own.
3. Finally, students will come up with a project idea on the basis of which students would be able to prepare a project.

## **Event Overview: Event Overview:**

Prepare for a transformative experience with IoT Gems 4.0, set to unfold on October 28, 2023, within the confines of college hours. Hosted by the IoT Club, this comprehensive training program seeks to cultivate skilled students, empowering them with the knowledge and abilities to navigate the intricacies of the current embedded world and the Internet of Things (IoT).

## **Key Objectives:**



**Skill Development:** The primary goal is to nurture proficiency among students, fostering a deep understanding of the contemporary embedded world and IoT.

**Basics of Interfacing:** Through hands-on engagement, the program is designed to instill the foundational principles of interfacing, enabling students to autonomously craft projects in the realms of embedded systems and IoT.

**Project Ideation:** As a culmination of the program, students will be encouraged to conceive a project idea. This not only reinforces their learning but also provides a platform for students to develop innovative projects independently.

**Total participants: 57**

## Gallery



AICTE - SPICES (Scheme for Promoting Interests, Creativity and Ethics among Students)  
Sponsored



## WINNERS

FOR  
IOT GEMS 4.0  
OFFLINE TRAINING

#	NAME	ROLL NO.	#	NAME	ROLL NO.
1	Ria Kalra	2101640130061	30	Ashi Sengar	2201641630018
2	Siddhi Sharma	2201641720105	31	ayushman awasthi	220640310042
3	Shailesh Kumar	2201640100269	32	Akansa Verma	2201641550014
4	Richa Singh	2201641520134	33	VIDHI OMER	2201640100323
5	Suvansh Arora	2201640130113	34	shriyanshigupta	221064100283
6	Arun shukla	2201641530046	35	Tushar Sonkar	2201641720109
7	KESHAVI VERMA	2201640100181	36	NITESH SACHAN	2101640130051
8	Anshu Gupta	2201641720022	37	Sneha Choudhary	2201640100289
9	anubhav	2201640310023	38	Sneha Prajapati	2201640100293
10	Tushar Kumar	2201640130118	39	Raghav Agrawal	7607322606
11	Anuradha Singh	2201640310025	40	mayank gupta	2201641550069
12	Anjali Yadav	2201640310018	41	Shweta Singh	2201640100287
13	Ashutosh Awasthi	2201640100094	42	Adarsh Shukla	2201641550007
14	tanishk porwal	221640130115	43	Shubh Gupta	2201641520213
15	Anshika Singh	2201640310022	44	Nikhil Yadav	2201641630039
16	Pragati Srivastava	2201641530116	45	Ayushi Gupta	2201641550043
17	Mansi Katiyar	2201641520101	46	Manya Malhotra	2101640130044
18	Akash Kapoor	2201640100037	47	Shivam	2201641530163
19	AKHIL NAYAN MISHRA	2201640100040	48	Khushi Mishra	2101640130042
20	Mauli Shukla	2201640310066	49	Rohan Uttam	2201641530145
21	bhumika singh	2201640310044	50	Alok Singh	2201641530022
22	AFTAB ALAM	2201640100030	51	aryan verma	2201641520204
23	Aditi Gupta	2201640310008	52	Abhay awasthi	2201641520201
24	Snehal Vishwakarma	2201641630057	53	Kanishka Gupta	2201641550056
25	sneha gaur	2201640100290	54	Yogendra singh	2101640130086
26	Arjun singh	2201641630014	55	Pragya Mishra	2201641530117
27	Anam Fatima	2201640100048	56	Vatsalya Singh	2201641630061
28	Aryan Dwivedi	2201640100083	57	Aman Vishwakarma	2201641550022
29	Vatsal Goli	2201641720115			

Faculty Co-ordinators

Dr. Shailendra Singh | Dr. Puspraj Singh Chauhan | Mr. Ankit Jain | Mr. Shailendra Sinha  
ECE, J-34, PSIT Campus





# IOT

## Gems 4.0

Sponsored By

AICTE - SPICES (Scheme for Promoting Interests, Creativity and Ethics among Students)

## OFFLINE MODE TRAINING MODULE

**28<sup>th</sup> October, 2023**

- Introduction to IoT
- Introduction of hardware like: Arduino Board, ESP series board, Raspberry Pi Board
- Sending the sensor data to the server
- Home automation through IoT server
- Live demo and working explanation of IoT based projects

### Resource Persons



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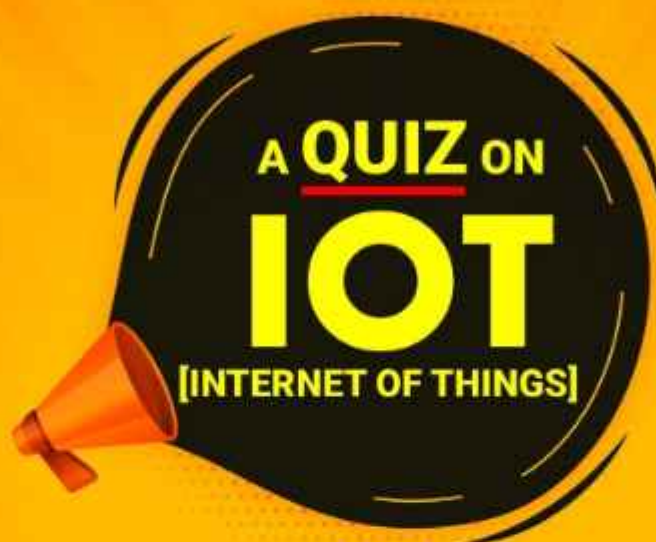
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INSTITUTION'S  
INNOVATION  
COUNCIL  
(Ministry of Education Initiative)



FOR

SPECIALIZED HANDS-ON TRAINING ON **SMART IoT BASED SYSTEMS**

Quiz Date: 6<sup>th</sup> October, 2023 | Time: 1:00 pm - 1:15 pm

Registration Link: <https://forms.gle/1S8KUv2s2LnRqWtE9>

Last Date of Online Registration : 5<sup>th</sup> October, 2023

Test Venues: J-34 to J36, L-31 to L-34

[www.psit.ac.in](http://www.psit.ac.in)



Registration Link

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