



## **JSS MAHAVIDYAPEETHA** **JSS ACADEMY OF TECHNICAL EDUCATION, NOIDA**

### **DEPARTMENT OF PHYSICS**

With the divine blessings of His Holiness, Jagadguru Sri Shivarathri Deshikendra Mahaswamiji, President, JSS Mahavidhyapeetha, Mysuru; Department of Physics, JSSATE, Noida organized an **OPEN-HOUSE PROJECT DEMONSTRATION** for B. Tech First Year Students on 21<sup>st</sup> June 2025.

**Time:** 11:30 A.M.

**Venue:** AB-V, Physics Laboratory

#### **OBJECTIVE OF THE EVENT:**

The main objective of the event was to provide the students with a platform to showcase their scientific knowledge, creativity and problem-solving skills. The project aimed to foster a deeper understanding of physics concepts, through hands on learning and applications, and to develop skills like team work, communication and critical thinking in B.Tech. I<sup>st</sup> year students.

**Date:** 21<sup>st</sup> June 2025.

**Time:** 11:30 A.M.

**Venue:** AB-V, Physics Laboratory

#### **BRIEF INTRODUCTION OF EVENT:**

The *Open House Physics Project Demonstration* provided an engaging platform for students to explore the captivating principles of physics through hands-on learning and creative expression. Organized as part of the B.Tech first-year curriculum, the event encouraged students to design, build, and present their own experiments and models.

A total of **60 innovative projects** were developed by the students, out of which **40 were shortlisted** for final demonstration based on creativity, scientific rigor, and execution. These projects were showcased under two distinct categories **Working Models** and **Simulation Models**.

The event was graced by the esteemed presence of **Dr. B. Manoj Kumar**, Principal, JSS Academy of Technical Education, Noida, and Dean, Engineering and Technology, JSS University, Noida. In addition to the Physics faculty, the event was attended by faculty members and students from various other departments, fostering interdisciplinary appreciation and dialogue.

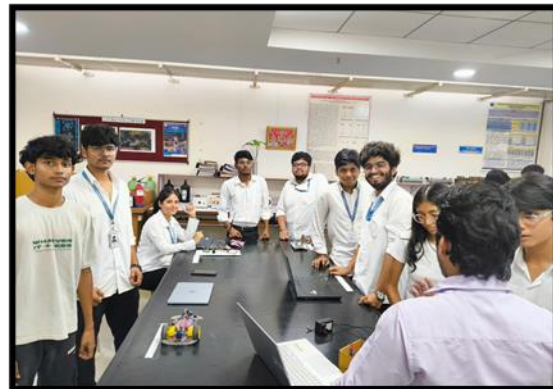
Overall, the event successfully promoted scientific thinking, innovation, and teamwork among students while showcasing their potential to apply theoretical knowledge in practical and imaginative ways.

**No. of participant:**100

**No. of Project demonstrated:** 40

<b>ORGANISING TEAM MEMBERS</b>	
<b>Name</b>	<b>Designation</b>
Dr. Manisha Chaudhary	Head, Physics Dept. JSSATE, Noida
Dr. Richa Verma	Head, Physics Dept. JSS University, Noida
Dr. Nidhi Yaduvanshi	Assist Prof. , JSSATE, Noida
Dr. Divya Ghildyal	Assist Prof. , JSSATE, Noida
Dr. Pratima Rajput	Assist Prof. , JSSATE, Noida
Dr. Pankaj Sharma	Assist Prof. , JSSATE, Noida
Dr. Nupur Gupta	Assist Prof. , JSSATE, Noida
Dr. Alok Singh	Assist Prof. , JSSATE, Noida
Mr. Chethan	Physics Lab, Lab Instructor, JSSATE, Noida
Mr. Prabhu	Physics Lab, Lab Instructor, JSSATE, Noida

## GLIMPSE OF THE EVENTS:









## OUTCOME:

The *Open House Physics Project Demonstration* successfully showcased the talent and enthusiasm of B.Tech first-year students, highlighting their ability to translate theoretical concepts into practical models and experiments. The event sparked greater interest in science and engineering among participants and attendees alike.

The projects presented demonstrated not only **creativity and innovation** but also a **strong conceptual understanding** of core physics principles. Furthermore, the event served as a platform to nurture essential skills such as **teamwork, problem-solving, and effective communication**, fostering stronger collaboration between students and faculty members.

**Dr. Manisha Chaudhary**

**HOD Physics**

**JSS ATE, Noida**