



## **SUPPORTING DOCUMENTS**

### **3.2.2**

**NUMBER OF WORKSHOPS/SEMINARS CONDUCTED ON RESEARCH  
METHODOLOGY, INTELLECTUAL PROPERTY RIGHTS (IPR) AND  
ENTREPRENEURSHIP DURING THE YEAR**



## **Workshop on Xcos**

On October 3, 2024, the department of physics hosted a workshop on **Xcos: A Simulating Tool**. Professor OSKS Sastri from the School of Physical & Material Science at Central University Dharamshala was the esteemed resource person.

### **Objectives:**

- To provide participants with a comprehensive introduction to Xcos, its features, and its applications in simulating physical systems.
- To facilitate practical, hands-on sessions where attendees can directly engage with the tool, allowing them to create and analyze simulations.
- To demonstrate how Xcos can be utilized in various research areas within physics and material science, enhancing the participants' ability to apply these concepts in their own work.

### **Description of the Workshop**

The workshop on "**Xcos: A Simulating Tool**" was led by Professor OSKS Sastri from the School of Physical & Material Science at Central University Dharamshala. The session covered fundamental concepts in physics, such as solving differential equations for periodic motion and utilizing models, culminating in practical simulations using the Xcos tool of Scilab. Participants were engaged in hands-on sessions exploring the powerful capabilities of Xcos for simulating complex physical systems.. The workshop adopted an interactive environment, encouraging students to pose questions and engage in discussions. It was a fantastic opportunity for students and faculty alike to deepen their understanding and application of this innovative tool.

### **Outcomes of the Workshop**

Students gained a solid understanding and hands-on skills on Xcos, including its functionalities and how it fits into the broader context of simulation tools in physics. Overall, the workshop was a resounding success, contributing to the ongoing development of skills and knowledge in the realm of physics and simulation technology!





## One Day Workshop on **XCos: A Simulating Tool**



**Speaker**  
**Prof. OSKS Sastri**  
School of Physical & Material  
Science  
Central University of  
Himachal Pradesh

📅 03 October, 2024  
🕒 10: 45 AM

**Organized by**  
Spectrum Club  
Department of Physics  
**St. Bede's College**

### *Brochure*



*Workshop on Xcos (October 3, 2024)*



*Workshop on Xcos (October 3, 2024)*

Attendance sheet  
One day workshop on  
XCos: A Simulating Tool  
Date: October 03, 2024

S. No.	Name	Class	Signature
1	Nishanta Kashyap	BSC (NM) III	Nishanta
2	Romya	BSC (NM) III	Romya
3	Nancy	BSC (NM) III	Nancy
4	Anushka Thakur	"	Anushka
5	Rangasathi Gupta	"	Rangasathi
6	Ashwini Kulkarni	"	Ashwini
7	Vishal Kumar	"	Vishal
8	Sujal Sharma	"	Sujal
9	Shruti Sharma	BSC (NM) III	Shruti
10	Rishi Sharma	BSC (NM) III	Rishi
11	Rishabh Kumar	BSC (NM) III	Rishabh
12	Tanisha Sharma	BSC (NM) III	Tanisha
13	Anshu	BSC (NM) III	Anshu
14	Kushika Chaudhary	BSC (NM) III	Kushika
15	Kiranjit Sharma	BSC (NM) III	Kiranjit
16	Ananya Jaiswal	BSC (NM) III	Ananya
17	Shreya	BSC (NM) III	Shreya
18	Dhruv	BSC (NM) III	Dhruv
19	Shreya	BSC (NM) III	Shreya
20	Himani	"	Himani
21	Pooja Thakur	BSC (NM) III	Pooja
22	Mahesh Kumar	BSC (NM) III	Mahesh
23	Ananya Khandelwal	BSC (NM) III	Ananya
24	Aditi Sharma	BSC (NM) III	Aditi
25	Surabhi Sharma	BSC (NM) III	Surabhi
26	Shreya Sharma	BSC (NM) III	Shreya
27	Pooja	BSC (NM) III	Pooja
28	Rishika Singh	BSC (NM) III	Rishika
29	Simran Thakur	BSC (NM) III	Simran
30	Ashika	BSC (NM) III	Ashika

molly  
03/10/24  
Principal

**Attendance Sheet**