

NCICP 2024

Sl. No.	Date	Name of the first author	Title of the work
1	08.07.24	Jayant Vatsa	Planck's constant determination using diodes of different energy bandgaps interfaced with Arduino microcontroller
2	08.07.24	Aman Razdan	Symplectic and Neural Network Approaches to Periodic Orbits in the Planar Three-Body Problem
3	08.07.24	Aman Razdan	INVESTIGATING THE MOTION OF A CHAOTIC PENDULUM USING A HYBRID APPROACH OF CONVENTIONAL COMPUTATIONAL AND MACHINE LEARNING ALGORITHMS
4	08.07.24	Amritanshu Thakur	Open-Source GUI Platform for Teaching and Implementing Computational Physics Problems
5	08.07.24	G. Sakthivel (T)	MATLAB Simulation of Diffraction and Optical Pattern Formation using Fourier transform
6	08.07.24	Aniket Tayal	COMPUTATIONAL SIMULATIONS OF SOLUTIONS FOR KORTEWEG - DE VRIES (KDV) EQUATION
7	08.07.24	Bhavinder Singh Viridi	Orbital Dance: Simulating the N-Body Problem in Python
8	10.07.24	Chinmoy Shahi	Chaos in Hénon–Heiles system
9	10.07.24	Jeet Shannigrahi	An Illustrative Computational Model of the Vibrational modes of 1D and 2D Molecules
10	10.07.24	Lalit Marwaha	Geometrical Analysis of Crystal Growth and Design
11	10.07.24	Amit Tanwar. (T)	Investigating the deviation in Newton law of cooling using Arduino microcontroller
12	10.07.24	M Suman	Simulation of X-Ray diffraction of pattern using MATLAB
13	10.07.24	Mehakpreet Kaur	Modeling & Analysis of a Biconical Tapered Fiber-Based Refractive Index sensor using COMSOL Multiphysics
14	10.07.24	Prasant Mishra	Simulating analog, digital and pulse modulation techniques using XCOS, Scilab an open-source software
15	12.07.24	Anil Khachi (T)	Simulating Quantum Mechanical NN Scattering by Using Xcos: A Pedagogical Study for Undergraduates and Postgraduates
16	12.07.24	Seema Dhankar	Simulating the Dynamics of Celestial Central Force Motion
17	12.07.24	Seema Dhankhar	Pedagogical Insights and Numerical Simulations of Chladni Patterns Using Spectral Methods
18	12.07.24	Shubham Khati	A COMPUTATIONAL INVESTIGATION OF MOTION OF A SPINNING TOP
19	12.07.24	Takshit Jewlia	Iterative Optimization based algorithm for high-pass filtering images with Denoising
20	12.07.24	Rajesh Kumar Rajput (T)	Huge use of X-rays in medical Science
21	12.07.24	Vikas Prajapati	c programming code to determine the data of the motion of the earth around the sun using the Newtonian gravitation law
22	12.07.24	vijay panchal	Consequences of Approximations in Physics