

Mukesh Patel School of Technology Management and Engineering, Shirpur

Academic year (2024-25)

ACTIVITY REPORT (Tech-Elevate)

Objective	This coding competition aims to test participants' programming and problem-solving abilities, providing avenues for talent identification and networking. It typically involves a structured format with preliminary and final rounds featuring algorithmic, real-world, and debugging problems.
Organizer	CS and IT Department in association with Computer Society of India Student Chapter MPSTME Shirpur Campus
Participating class	Students of MPSTME Shirpur Campus
Number of participant	130
Day and Date	Friday, September 27, 2024
Time	4.00 PM to 6.00 PM
Venue	Seminar Hall
Co-ordinator/s	Dr. Mayank Sohani and Prof. Piyush Kumar Soni
Name of Teaching staff	Dr. Mayank Sohani and Prof. Piyush Kumar Soni
Brief Report on Activity	<p>CSI organized a session for students of MPSTME on 27th September 2024, which was held in the Seminar Hall from 4:00 p.m. to 6:00 p.m. under the supervision of Dr. Mayank Sohani and Mr. Piyush Kumar Soni. The session was taken by Gargi Jain (BTech CS 4th year) and Ashish Neelkanth (BTech IT 4th year) along with other coordinators present, where 130 students were present who were introduced to the competitive coding environment wherein there were two competitions held. First was a quiz on "Basics of CPP." The students were given half an hour to perform the quiz. For the second event, they were first taught how to use the HackerRank (a competitive coding platform), and then an "AlgoAssemble" took place on HackerRank. In this event, students were given basic jumbled algorithms that they had to solve. Basic coding questions were given to participants. Following topics were covered during the session.</p> <ol style="list-style-type: none">1. Introduction to HackerRank

- Creating ID on HackerRank
- Explains what HackerRank is
- What is Competitive Coding

2. Basic Quiz on CPP(Topics Covered)

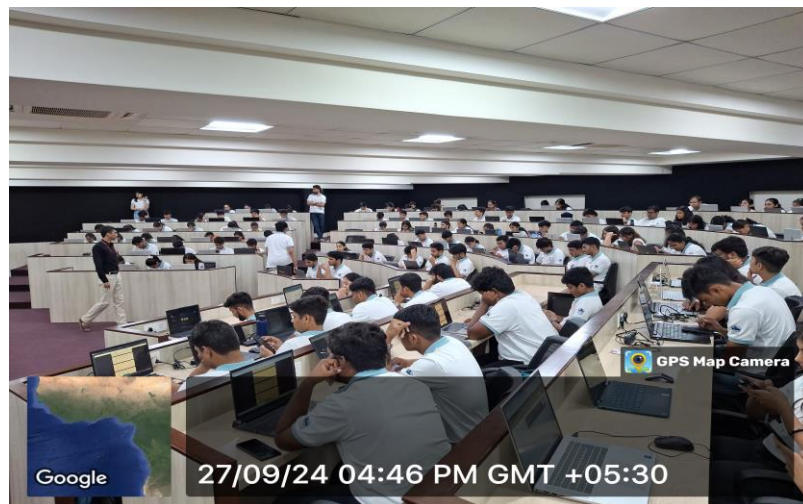
- Variables
- Data Types
- Functions
- Algorithms
- Control Statements

3. AlgoAssemble

- Flowcharts
- Pseudo Codes
- Loops Implementation

The sessions were very helpful for the attendees, and we received positive feedback and some suggestions regarding our analogy, which we will be implementing in our next sessions. We also received requests for more sessions, and attendees are enthusiastic towards our upcoming events and sessions. After the successful completion of this event, CSI at NMIMS Shirpur is looking forward to organizing more events and useful sessions for students.

Event Photographs



	
<p>Outcomes</p>	<p>The Tech-Elevate achieved PO1 by deepening students' understanding of fundamental programming concepts through hands-on coding activities like the C++ quiz and algorithm-solving exercises. PO2 was addressed by enhancing students' ability to break down and solve complex programming problems, which was a key focus during the "AlgoAssemble" event, and their exposure to competitive coding platforms like HackerRank. PO5 was fulfilled by familiarizing students with modern programming tools, specifically HackerRank, a widely used competitive coding platform.</p> <p>In terms of PEO1, the event built essential C++ and algorithmic problem-solving skills, preparing students for technical roles in the industry. Finally, the session also supported PEO3 by equipping students with adaptable coding skills, fostering their ability to continuously learn and grow throughout their careers.</p>

Event In-charge

HOD

Associate Dean/Director

