

ROBOFURY 2.0 event

Robofury 2.0, an on-campus event organized by the Robotics club, IMU-MPC was a boat race event observed on 25th October, 2024 (Friday) to celebrate the Marine engineering legacy of the college, coordinating it with the creativity of the cadets. The objective was to build your own boat from scratch in a team while coming up with innovative designs and to present them to the guest and faculty judges.

EVENT OVERVIEW

Robofury 2.0 is the Robotics Club's signature boat race event, where Cadets of IMU MPC gather to showcase their creativity, technical prowess, and engineering talent. This competition challenges teams to design and build robotic boats that can race on water, testing their speed, efficiency, and agility. More than just a race, Robofurry 2.0 is a celebration of innovation and teamwork, where Cadet apply their knowledge in robotics and marine engineering in a competitive, yet collaborative environment.

PRIZES

- First position: Rs. 5000/- cash prize and certificate
- Second position: Rs. 3000/- cash



prize and certificate

- Third position: Rs. 2000/- cash prize and certificate
- Fourth position: Rs. 2000/- cash prize and certificate



JUDGES

The judges under whose supervision the event commenced were:

- Mr. Sanjeev Mehra (Secretary IMEI MUMBAI BRANCH and Managing Director, Kenmark Tech Solutions)
- Shree Mohammed Shaji E. (HoD Marine Engineering, IMU-MPC)
- Captain Vartul Dixit (Associate Professor, IMU-MPC)
- Professor Mehernosh Sassani Shroff (Assistant Professor, IMU-MPC)



EVENT FORMAT

Teams will participate in multiple heats, where their boats will be tested on various parameters:

1. Speed: How quickly the boat can navigate the racecourse.
2. Efficiency: Energy consumption and performance optimization.
3. Design: Creativity and engineering excellence in the boat's structure.
4. Agility: Ability to navigate turns, obstacles, and waves.

EVENT FLOW

VIVA ROUND

- Once the judges are seated and the teams are ready, they are called one at a time to present and explain their ships to the judges, who in return ask them about its construction and working and hence score them.
- The scores are noted on the scoreboard



SECOND ROUND

- The first race round - the straight-line time trial.
- In this round, the ships are to traverse a straight-line path and the time taken by each is recorded.
- The respective time is noted on the scoreboard.



THIRD ROUND

- The second race round - the C-course

- In this round, the ships are to traverse a curved C-shaped path, their time recorded.
- The time for each team is noted on the scoreboard.

PARTICIPATION AND AWARDS

- A total of 32 cadets from 11 teams participated in the event
- The first position was bagged by team Sea Witches, represented by cadets Krishna S M and Mihir Kumar Munda.
- The second spot was bagged by *Team Rocket*, represented by cadets Arun Kumar, Souradeep Modak and Mugdha Nagarkar.
- The third position was bagged by *Team RoboTitans*, represented by cadets Anirya Tiwari, Sumukh Kaundinya and Atul Yadav.
- The fourth position was grabbed by *Team Nautical Nexus*, represented by cadets Aaryan Verma, Shubham Saxena and Rohit Mathur.





