



## NEW HORIZON COLLEGE OF ENGINEERING - MTS

Event name: **Jalayantra - Navigate the Tempest**

Event Date: 27th April 2019

Time: 1.30-4.30 PM

Event Venue: Near the Volleyball Court, besides the staircase leading to the ground, NHCE Campus

### **Co-coordinators**

1. Dr. Sanjeev Sharma, Professor and Head, ECE, New Horizon College of Engineering
2. Mr. Naveen Gowda , Assistant professor, ECE, MTS Faculty Coordinator, New Horizon College of Engineering
3. Dr. Nisha K C R, Professor, ECE, and Branch Counselor, New Horizon College of Engineering MTS Student Branch

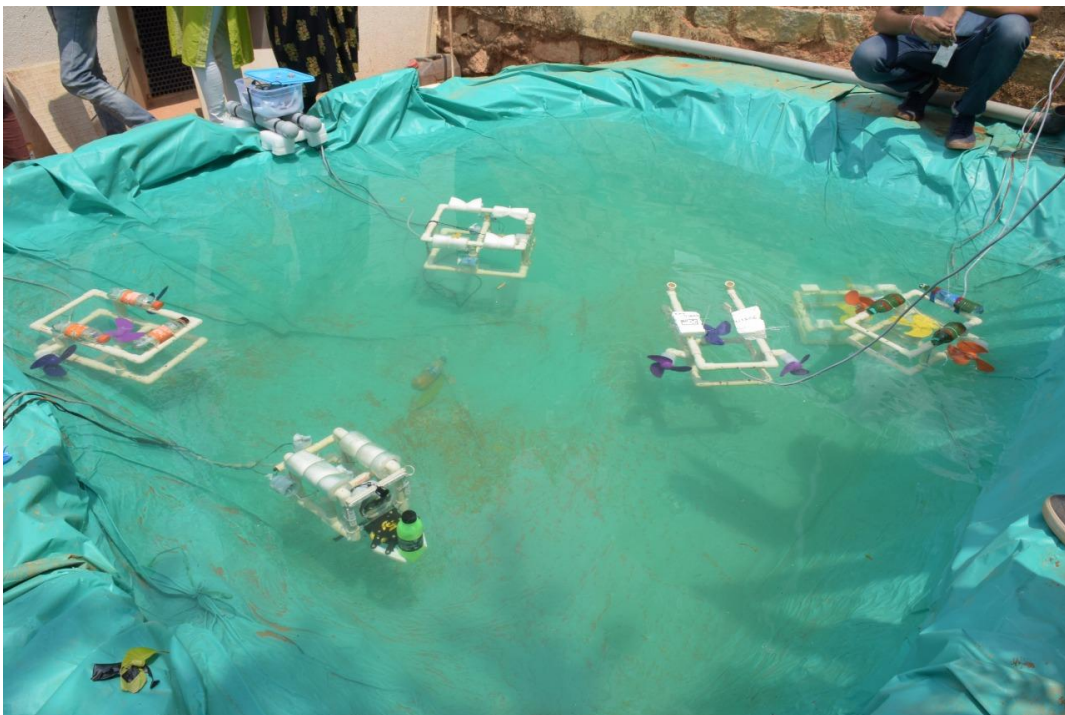
### **Jalayantra - Navigate the Tempest**

The day started with inquisitive minds from the different departments and different semesters, all having the same purpose: To showcase the ROVs built during the Marine Exploration - Build Your Own ROVs workshop. The competition was conducted with the permission and guidance of the Chairman Dr. Mohan Magnani, the Principal Dr. Manjunatha, HoD of the ECE department Dr. Sanjeev Sharma, Dr. Nisha NHCE-MTS branch counselor and NHCE-MTS Faculty Coordinator Mr. Naveen H. The competition brought attention to the hard work put in by the participants to build their ROVs in the workshop. Around 25 students became a part of this competition conducted by NHCE MTS Student Branch. The EVENT commenced at around 1:30 pm. and went up to 4:30 pm.

The competition began with 4 participating groups taking part in the first round, which was a checkpoint race, where there were five bottles placed around the pool in strategic places, and the groups had to decide which route to take achieve the fastest time. This placed a huge focus on the speed and efficiency at which the ROVs moved. The structural integrity also came into the picture, as when the ROVs dove underwater, they had to be able to surface.



First round of Competition



Second round of Competition

The second round was a race from one end of the tank to the other. Out of the 4 groups, 3 groups had ROVs in working condition. These 3 groups raced their ROVs and the fastest two advanced to the final round.





Final round of Competition

The final round was a sumo battle, where the groups attempted to push the opposing team's ROV to any wall of the pool. In the end, the 4th-semester ECE group, Devashrutha's team, won the round and the competition as a whole. The 6th-semester ECE group, Jagadeesh's team, was runner's up.



The friendly and competitive nature of the competition enabled participants to have fun and expand their knowledge on ROVs and have a satisfying payoff for the hard work they put in on the workshop.

The Remotely Operable Vehicles were competed against, enabling students to have practical experience on their own ROVs.

**End of the Report**