

Report on SAUVC-2025

The Singapore Autonomous Underwater Vehicle Challenge (SAUVC) 2025, held from March 14 to 17, 2025, brought together teams from around the globe to showcase their innovations in autonomous underwater vehicle technology. Among the participants was **Team Varuna** from Sairam Institutions, led by **Keerthi Chowdary G**, with team members **Karthik M S** and **G Chiru Pavan**, under the mentorship of **Harish Babu L**.

The SAUVC 2025 Competition

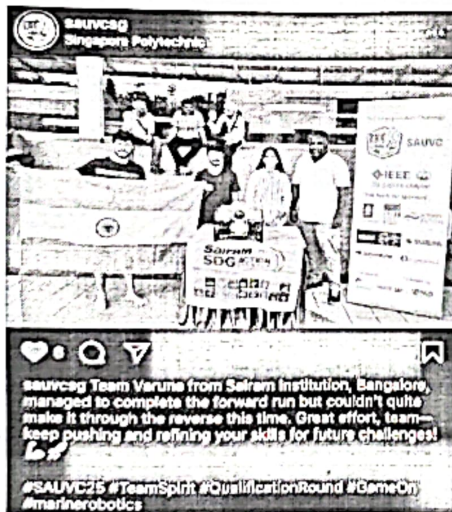
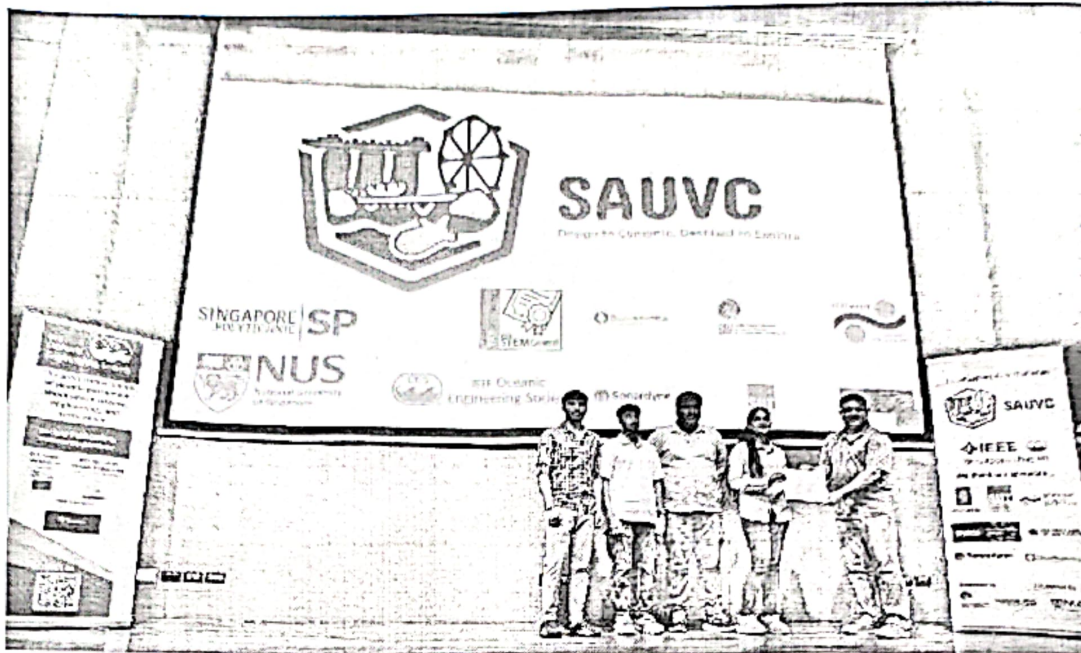
SAUVC is a prestigious international competition that challenges teams to design and build autonomous underwater vehicles (AUVs) capable of performing specific tasks in a controlled environment. The competition aims to foster interest in underwater robotics and provide a platform for students and professionals to demonstrate their technical prowess.

The 10th Season of the Singapore Autonomous Underwater Vehicle Challenge (SAUVC-2025) was a highly competitive and prestigious international event held at Singapore Polytechnic. The competition saw an overwhelming response, with a total of 89 teams registering for the event.

Out of the registered teams, 79 teams successfully submitted their video submissions as part of the initial qualification process. Based on the evaluation of these submissions, 41 teams were selected to attend the event and compete in the subsequent rounds, including Team Varuna. From India, 14 teams were shortlisted for the event, and notably, our institution was the only participant from Karnataka in the competition.

During the Qualification Round, 22 teams out of the 41 were able to successfully clear the challenge and advance to the next stage. Among these, 18 teams further qualified for the final round, showcasing their advanced capabilities in autonomous underwater vehicle (AUV) technology.





Qualifier ranking	Qualified teams	Finalists	Finals timing slot
1	HK04		14:10-14:30
2	AU01		13:50-14:10
3	ID02		13:30-13:50
4	ID08		13:10-13:30
5	HK03		12:50-13:10
6	SG05		12:30-12:50
7	ID11		12:10-12:30
8	IN02	Finalists, completed both forward and backward passes	11:50-12:10
9	IN03		11:30-11:50
10	ID04		11:10-11:30
11	ID10		10:50-11:10
12	SG03		10:30-10:50
13	RU02		10:10-10:30
14	IN07		09:50-10:10
15	ID09		09:30-09:50
16	IN11		09:10-09:30
17	ID05		08:50-09:10
18	LK02	08:30-08:50	
19	IN14	Standby teams, completed both forward and backward passes	
20	LK01		
21	ID03	Completed forward pass	
22	IN08		

Singapore AUV Challenge

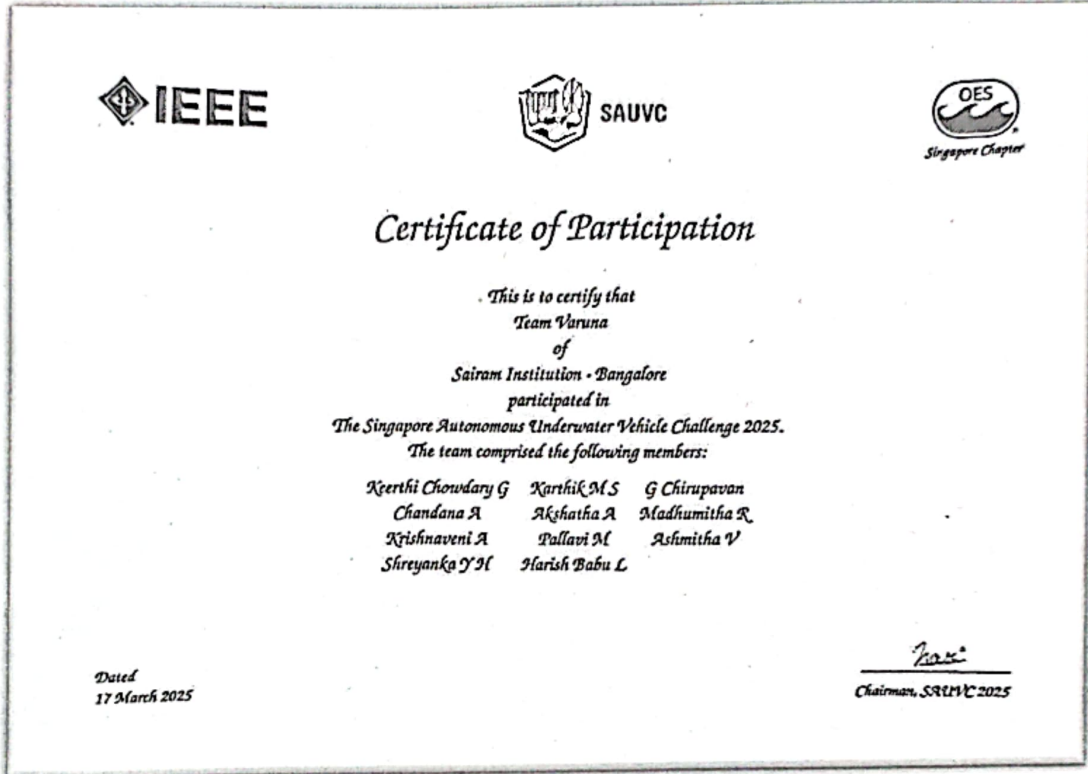
Today was an incredible day at the competition! Despite some afternoon showers (but hey, that's just what you get sitting at the equator!), 41 robots took to the arena, giving it their absolute best. 🏆 Out of these, 22 teams qualified, having successfully completed at least a forward run through the gate. Now, 18 teams are advancing to the finals, while 2 teams are placed on standby.

This is a huge accomplishment, and we can't wait to see what the finals bring tomorrow! For those teams who didn't make it this time, remember—it's all about learning, growing, and innovating. Every challenge faced is an opportunity to build something even better. You gave it your all, and that's what truly matters. 🌟

Looking forward to more inspiring performances tomorrow! Let's keep pushing boundaries and reaching new heights in the world of robotics! 🚀🤖

#SAUVC25 #Robotics #Innovation #Teamwork #EngineeringExcellence #QualificationRound #Finals #Inspiration #KeepPushing

Our team, **Varuna (IN-08)**, demonstrated great effort and technical prowess throughout the competition. We secured the position in **Top 22 in the Qualification Round** and **successfully qualified** for the next stage. However, despite our strong performance, we were unable to advance to the finals.



The competition served as an excellent platform for innovation, learning, and collaboration in the field of underwater robotics. The experience gained through SAUVC-2025 has been invaluable, and the insights gathered will contribute to enhancing future developments and participation in similar global challenges.

We extend our heartfelt gratitude to our management, COO, Principal, HoD's, staff, and students for their unwavering support and encouragement throughout this journey.


Harish Babu L

Co-ordinator SLMIC


20/03/2025


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