

## **Charting Progress: Mid-Internship insights from UDA Summer Interns from IITs- PART 2**

**(Join us on 12th July 2025, from 4:00 PM IST onwards)**

### **About:**

The Maritime Research Center (MRC), in partnership with Nirdhwani Technology Private Limited, is set to host a webinar highlighting the mid-internship progress of participants in the 2025 Underwater Domain Awareness (UDA) Summer Internship Program. ***This event will feature engaging presentations by interns from some of India's premier academic institutions, including the Indian Institute of Technology (IIT) Delhi and IIT Kanpur.*** The webinar aims to showcase the innovative research and technological advancements being pursued by these promising young engineers and researchers in the field of Underwater Domain Awareness.

### **The primary objectives of hosting this workshop are:**

- **Showcase Research Outcomes:** To present the research projects that these summer interns are working on, highlighting significant findings and potential impacts.
- **Encourage Knowledge Sharing:** To foster an environment of knowledge exchange among interns, mentors, and the broader research community.
- **Provide Constructive Feedback:** To offer feedback and suggestions from experienced researchers and industry experts to help interns refine their work.
- **Strengthen Networking:** To build connections between interns, faculty, industry professionals, and researchers, encouraging future collaborations.

The UDA Summer Internship Program is designed to nurture young talent and engage them in real-world applications of cutting-edge maritime research. This mid-internship presentation offers an opportunity to review the significant strides made so far, discuss challenges encountered, and chart the path forward for the second half of the program. ***During this workshop, our internal team will also present, followed by comments and feedback from the experts.***

### **Event Details:**

- **Date:** 12 July 2025
- **Time:** 4:00 pm IST onward
- **Venue:** Online (through Webex and YouTube Broadcast)
- **Format:** Each presenter (UDA Summer intern) will deliver a 10-minute presentation, followed by comments and feedback from the experts.

The Underwater Domain Awareness (UDA) Framework, developed by the MRC, has garnered widespread recognition for promoting safe, secure, and sustainable development in the tropical littoral waters of the Indo-Pacific region. The Digital Ocean construct supported by the UDA

framework will significantly enhance good maritime governance. It encourages the pooling of resources and the synergising of efforts across stakeholders and has devised technology tools to support the livelihoods of coastal communities.

### Programme Details

**Convenor:** Dr. (Cdr) Arnab Das; Founder & Director, Maritime Research Centre (MRC), Pune

***The schedule of the programme is as follows:***

Time	Programme Details
4:00- 4:05 PM	Welcome Remarks by <b><i>Dr. (Cdr) Arnab Das, Founder and Director, MRC, Pune</i></b>
4:05- 4:15 PM	<b><i>MRC's Projects Overview</i></b> by <b><i>Shridhar Prabhuraman, Deputy Director, MRC, Pune</i></b>
<b>Presentations by Group 1</b>	
4:15- 4:25 PM	Presentation by <b><i>Mohd. Nasar Siddiqui (IIT Kanpur)</i></b> on ' <b><i>Habitat Suitability Model for Marine Spatial Planning</i></b> '
4:25- 4:35 PM	Presentation by <b><i>Harshit Jain (IIT Delhi)</i></b> on ' <b><i>Urban Flood Risk Mapping for Brahmaputra River</i></b> '
<b>Presentations by Group 2</b>	
4:35- 4:45 PM	Presentation by <b><i>Atharva Agarwal (IIT Delhi)</i></b> on ' <b><i>Estimating ROC for Passive Sonar Simulator</i></b> '
4:45- 4:55 PM	Presentation by <b><i>Atul Mangal (IIT Delhi)</i></b> on ' <b><i>Modelling &amp; Simulation Framework for Brahmaputra Region</i></b> '
4:55- 5:05 PM	Presentation by <b><i>Ashwani Kumar Singh (IIT Kanpur)</i></b> on ' <b><i>Modelling &amp; Simulation Framework for Konkan Coast</i></b> '
5:05- 5:15 PM	Presentation by <b><i>Adi Amrutha (IIT Kanpur)</i></b> on ' <b><i>Economic Impact Assessment - Climate Risk and Coastal Income: A UDA-Augmented Econometric Analysis</i></b> '
<b>Presentations by Group 3</b>	
5:15- 5:25 PM	Presentation by <b><i>Deepak Chaurasia (IIT Kanpur)</i></b> on ' <b><i>Sediment Transport Modelling for Brahmaputra River</i></b> '
5:25- 5:35 PM	Presentation by <b><i>Harshit Logre (IIT Kanpur)</i></b> on ' <b><i>Silt Management Policy for River-Coastal Systems: A UDA-Based Economic and Environmental</i></b>

	<i>Valuation'</i>
<b>Comments and Feedback Session</b>	
5:35- 5:45 PM	Intervention and Comments by <b>Mr Ashish Shrivastava, Ratan Tata Maharashtra State Skills University (KPMG Consultant)</b>
5:45- 5:55 PM	Intervention and Comments by <b>Mr Krishna, Partner, SIRI Investment Trust (Former MD Goldman Sachs India)</b>
5:55- 6:05 PM	Intervention and Comments by <b>Mr. Pradip Shah, Owner, IndAsia Fund Advisors Private Limited (Chairman BASF &amp; Pfizer)</b>
6:05- 6:15 PM	Intervention and Comments by <b>Mr. Hemant Chavan, Legal Professional</b>
<b>Concluding Remarks by Senior Dignitaries</b>	
6:15- 6:25 PM	Closing remarks by <b>Amb. Anup Kumar Mudgal, Former Indian Diplomat and Member of the Blue Economy Task Force at FICCI</b>
6:25- 6:30 PM	Vote of Thanks by <b>Mr Praful Talera, MRC's Adviser on Blue Economy</b>

### Conclusion:

This webinar will provide a vital platform for UDA Summer Interns from premier institutions to present their progress and engage with subject-matter experts. By fostering dialogue, encouraging innovation, and enabling constructive feedback, the event underscores the Maritime Research Center's commitment to capacity building and technological advancement in Underwater Domain Awareness. The collaborative initiative between MRC and Nirdhwani Technology will not only nurture future leaders in maritime research but also drive innovation and support the broader mission of sustainable and secure development in the Indo-Pacific region.