

## UDA Summer Internship 2024: Final Presentations

### About

The Maritime Research Centre (MRC) announced the final presentations by summer interns from the prestigious institutions of the Indian Institute of Technology (IIT) Bombay, Indian Institute of Technology (IIT) Kharagpur, and Indian Institute of Technology (IIT) Madras. This event marked the culmination of our interns' rigorous and innovative projects, showcasing their research findings and contributions to the maritime domain. This online workshop was hosted in collaboration with the Indo-Swiss Center of Excellence and Nirdhwani Technology Private Limited, on 6 July 2024 and 9 July 2024, from 4 pm IST to 6 pm IST, respectively.

### The major objectives of hosting this two-day workshop were:

- **Showcase Research Outcomes:** To present the research projects completed by the summer interns, 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.

During this two-day workshop, MRC Fellows and the core team members also made presentations on various projects and research topics they have worked on for some time.

### Event Details:

- **Date:** 6 July 2024 and 9 July 2024
- **Time:** 4:00 pm IST to 6:00 pm IST, respectively
- **Venue:** Online (through Webex and YouTube Broadcast)
- **Format:** Each intern, fellow, and core team member delivered a 10-minute presentation, which was followed by comments and feedback from the experts.

### Programme Details

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

*The schedule of the programme was as follows:*

#### Day 1: 6th July 2024

Time	Programme Details
4:05 PM	Welcome Remarks by <b>Dr. (Cdr) Arnab Das</b> , Founder and Director, MRC, Pune.

4:10 PM	Opening Remarks by <b>Shridhar Prabhuraman</b> , Deputy Director, MRC, Pune
<b>Topic- ESG, Climate Change and Blue Economy</b>	
4:15 PM	Presentation by <b>Cathrine J, Head of Publication and Research</b> at MRC, on <b>'Blue Economy in the IOR'</b>
4:25 PM	Presentation by <b>Akash Prasad (IIT Bombay)</b> on <b>'Statistical Inference of Climate Change Impact in the IOR'</b>
4:35 PM	Presentation by <b>Anjali Kumari (IIT Kharagpur)</b> on <b>'Water Resource Management'</b>
4:45 PM	Presentation by <b>Divya Rai, MRC Fellow</b> , on <b>'Safeguarding the Indian Ocean: UDA and Multilateral Partnership'</b>
<b>Topic- Sediment Management</b>	
4:55 PM	Presentation by <b>Romit Kaware, MRC Fellow</b> , on <b>'Holistic view of sediment management in the Indo-Pacific.'</b>
5:05 PM	Presentation by <b>Bhavin Jain (IIT Bombay)</b> on <b>'Sediment Classification ML Model'</b>
5:15 PM	Presentation by <b>Pradnya Kumbhare (IIT Bombay)</b> on <b>'Sediment Management (Transport Study)'</b>
5:25 PM	Presentation by <b>S Arulanandan (IIT Kharagpur)</b> on <b>'Sediment Management ( Focused on Dredging)'</b>
<b>Comments and Feedback Session</b>	
5:35 PM	Keynote Remarks by <b>Mr Ashwin Shroff, Chairman of the Board of Directors at Excel Industries Limited, India</b>
5:45 PM	Keynote Remarks by <b>Amb. Anup K. Mudgal, Former Indian Diplomat and Member of the Blue Economy Task Force at FICCI, India</b>
5:55 PM	Vote of Thanks by <b>MRC Representative</b>

### Day 2: 9th July 2024

Time	Programme Details
4:00 PM	Welcome Remarks by <b>Dr. (Cdr) Arnab Das</b> , Founder and Director, MRC, Pune.
4:05 PM	Opening Remarks by <b>Shridhar Prabhuraman</b> , Deputy Director, MRC, Pune
<b>Topic- Digital Transformation</b>	

4:15 PM	Presentation by <i>Shlok Nemani, MRC Fellow</i> , on <i>'Digital transformation for sustainable economy'</i>
4:25 PM	Presentation by <i>Susank Chigilipalli (IIT Kharagpur)</i> on <i>'Aquaculture Demographic Digital Mapping'</i>
4:35 PM	Presentation by <i>Aaryan Awadh (IIT Kharagpur)</i> on <i>'Collision Avoidance System using AIS data.'</i>
<b>Topic- Underwater Radiated Noise (URN) Management</b>	
4:45 PM	Presentation by <i>Akshita Mangal, MRC Fellow</i> , on <i>'Ambient Noise Mapping'</i>
4:55 PM	Presentation by <i>Shwetha Varshini (IIT Madras)</i> on <i>'Underwater Radiated Noise Management'</i>
<b>Topic- Maritime Security and UDA</b>	
5:05 PM	Presentation by <i>Shradha Gajavelli (Symbiosis School of Liberal Arts)</i> on <i>'Maritime Security in the Underwater Domain: exploring the non-traditional threats and challenges.'</i>
<b>Presentations by MRC Research Engineers</b>	
5:15 PM	Presentation by <i>Ayush Sawadh, Research Engineer at MRC</i> , on <i>'ESG and Marine Spatial Planning'</i>
5:25 PM	Presentation by <i>Shreya Waghmare, Research Engineer at MRC</i> , on <i>'Marine Spatial Planning (MSP) driven assessment of livelihood opportunities for coastal communities in the tropical waters.'</i>
5:35 PM	Presentation by <i>Jay Pinjarkar, Research Engineer at MRC</i> , on <i>'Monitoring of International Maritime Organization (IMO) Conventions'</i>
<b>Comments and Feedback Session</b>	
5:45 PM	Keynote address by <i>Mr Amar Kaul, Chief Data Officer at Barclays India</i>
5:55 PM	Keynote address by <i>Mr Vijay Bhosale, Partner at Zeta Capital</i>
6:05 PM	Closing remarks by <i>Dr Jyoti Rangole, Associate Professor and Head ED Cell, VPKBIET, Baramati</i>

## **Conclusion**

The final presentations by our summer interns and MRC's internal team represent the dedication and intellectual rigour that have been the hallmark of their tenure at MRC. This event is a testament to their hard work and an opportunity to contribute to the maritime research community's growing body of knowledge. We look forward to an engaging and insightful event.

### **Links to individual presentations and keynote addresses (Day-wise)**

#### **Day 1**

1. Amb Anup K. Mudgal, Former Indian Diplomat- [Link here](#)
2. Mr Ashwin Shroff, Excel Industries Limited- [Link here](#)
3. Dr. (Cdr) Arnab Das (Founder and Director, MRC)- [Link here](#)
4. Shridhar Prabhuraman (Deputy Director, MRC)- [Link here](#)
5. Cathrine J (Head of Publication and Research)- [Link here](#)
6. Akash Prasad (IIT Bombay)- [Link here](#)
7. Anjali Kumari (IIT Kharagpur)- [Link here](#)
8. Divya Rai (MRC Fellow)- [Link here](#)
9. Romit Kaware (MRC Fellow)- [Link here](#)
10. Bhavin Jain (IIT Bombay)- [Link here](#)
11. Pradnya Kumbhare (IIT Bombay)- [Link here](#)
12. S Arulanandan (IIT Kharagpur)- [Link here](#)

**Link to the full video of Day 1:** [Link here](#)

#### **Day 2**

1. Dr. (Cdr) Arnab Das (Founder and Director, MRC)- [Link here](#)
2. Shridhar Prabhuraman (Deputy Director, MRC)- [Link here](#)
3. Shlok Nemani (MRC Fellow)- [Link here](#)
4. Susank Chigilipalli (IIT Kharagpur)- [Link here](#)
5. Aaryan Awadh (IIT Kharagpur)- [Link here](#)
6. Akshita Mangal (MRC Fellow)- [Link here](#)
7. Shwetha Varshini (IIT Madras)- [Link here](#)
8. Shradha Gajavelli (Symbiosis School of Liberal Arts)- [Link here](#)
9. Ayush Sawadh (Research Engineer at MRC)- [Link here](#)
10. Shreya Waghmare (Research Engineer at MRC)- [Link here](#)
11. Jay Pinjarkar (Research Engineer at MRC)- [Link here](#)

**Link to the full video of Day 2:** [Link here](#)

### **Maritime Research Center Media Outlets**

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