



DEPARTMENT OF MARINE ENGINEERING

Report on Demo day on “Global Modern Navigational system for Ships – NISAR”

Event Title	: Demo day on “Global Modern Navigational system for Ships – NISAR”
Type of Event	: Demo Day
Date & Time	: 20.08.2025 – 22.08.2025
Venue / Mode(Platform)	: Mechanical Seminar Hall
Organizer	: Marine Department, MSEC
Coordinators	: 1.Mr.N.Anish Kafoor Assistant Professor/ Marine, MSEC. 2.Mr.D.LOGESH Assistant Professor/Marine ,MSEC
Details of Participants	: 31 –(Marine Students) & 22 –(Aero Students)
Profile of the Speaker	: 1. Mr.G.Thangavelu Professor and Head/Marine Mohamed Sathak Engineering College, Kilakarai. 2. Mr.M.R.Sudhahar, Course In charge/ Marine, MSEC. 3. Mr.D.Logesh Assistant Professor/Marine, MSEC.

Summary of the Event:

Department of Marine Engineering of Mohamed Sathak Engineering College, Kilakarai, has organized an IIC Event 2025 on 20.08.2025 to 22.08.2025 with the Demo Day on the title “GLOBAL MODERN NAVIGATIONAL SYSTEM FOR SHIPS – NISAR”.

In this event Prof. G. THANGAVELU, HOD, Marine, MSEC & Ex-Indian Naval Officer has delivered lectures on the Introduction of Navigational systems & innovative ideas for upgrading NISAR. Mr.M.R.Sudhahar delivered technical talk on innovative ideas for improving the navigational equipment's. Mr.D.Logesh delivered speech on various satellites used for navigating ships and their improvement.



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Event Invitation



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DAY 1: **Prof.G.Thangavelu** , HOD, Marine

Demo Day.....

*Global Modern Navigational
System for Ships - 'NISAR'*

DATE: 20.08.2025 to 22.08.2025



DAY 2: **Mr.D.Logesh** , Asst.Professor, Marine

Venue: Mechanical Seminar Hall

Convenor

Dr.V.Nirmal Kannan

Principal , MSEC

Coordinators

Mr.N.Anish Kafoor

Asst.Prof , Marine



DAY 3: **Prof.M.R.Sudhahar** , Course in charge, Marine



Mr.D.Logesh

Asst.Prof , Marine

Organised by

**DEPARTMENT OF MARINE
ENGINEERING**

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List of Participants

<u>S.NO</u>	REG NO	NAME	<u>S.NO</u>	REG NO	NAME
IV MARINE			28	911524113306	MUTHU P
1	911522113001	ABIL RASULUDEEN .A	29	911524113307	MUTHUMURUGAN B
2	911522113002	ESWARAN .S	30	911524113308	SALIH SHAHAD D
3	911522113003	KISHORE .B	31	911524113309	VINCILAYUS MARIA RICHARDS J
4	911522113004	MOHAMMED ISMAIL .S	III AERO		
5	911522113005	MUHAMMED NUHMAAN.N	32	911523101001	AAYSHA BANU M
6	911522113006	SAMILO ELIJAH .J	33	911523101002	ABDUL SAMADHU K
7	911522113007	SANTHOSH KUMAR .S	34	911523101003	AFRIN V
8	911522113008	SRINIVASAN .A	35	911523101004	AVINASH A
9	911522113009	SURIYA PRAKASH .M	36	911523101005	AYNUL AMEERA H M
10	911522113010	THAMEEN ANSARI .S	37	911523101007	HEMALATHA P
11	911522113302	PONMATHAN KUMAR .K	38	911523101008	IBUNU BASITH S
III MARINE			39	911523101009	KISHORE KUMAR S
12	911523113001	VARUN KISHORE M	40	911523101012	MOHAMED ARSHADH
13	911523113301	AATHITHYAN.T	IV AERO		
14	911523113302	ABDUL KASIM .A	41	911522101001	H.ABDUL MUSAVIR
15	911523113303	BOOJITH RAJA .B	42	911522101002	V.ABINESH
16	911523113304	MOHAMED TAJVEER NOOR .H. N	43	911522101003	P.KALIMUTHU
17	911523113305	PRAVEEN RAJ. K	45	911522101004	R.KATHIRAVAN
18	911523113306	SIVA. M	46	911522101006	N.MUTHU KUMAR
19	911523113307	THANDRAPATI HARINATH	47	911522101007	P.PRITHIKA
20	911523113308	THASIM MOHAMED RIZWAN. S.J	48	911522101008	B.SATHISH KANNAN
21	911523113309	VIGNESHWARAN. S	49	911522101009	A.SUNDARARAJA PERUMAL
22	911523113310	YUVA RAKUL. M	50	911522101010	B.SWATHI
II MARINE			51	911522101011	S.SYED ANWAR
23	911524113301	ANAND KR	52	911522101012	A.YOSUVA
24	911524113302	JEYA HARI KUMAR S	53	911522101301	M.HAMEED IFRAS
25	911524113303	KARUPPASAMY G			
26	911524113304	KRISHNA MOORTHY S			
27	911524113305	MUHAMMED JAMANULLA KHAN AS			



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Photograph during the Program





Institute Innovation Council (IIC) Relevance:

The Institute Innovation Council (IIC) plays a crucial role in fostering innovation and entrepreneurship within educational institutions. This event is organized to foster innovation among cadets in addressing the key skills developed encompass using integrated navigation systems, interpreting electronic charts and publications, and responding effectively to navigation-related risks and emergencies.

By providing insights for cadets to safely manage and maneuver ships using contemporary systems like GPS, radar, NISAR and electronic chart systems (ECDIS), enabling them to plan and execute cost-effective voyages, manage vessel stability, perform collision avoidance, and ensure overall navigational safety to meet international standards contributes directly to the goals of the IIC.

Furthermore, the seminar emphasizes critical thinking, ethical considerations, and effective communication—essential aspects of innovation fostered by the IIC. By empowering cadets to overcome challenges and seize opportunities in higher education, the seminar aligns with the broader mission of the IIC to nurture innovative thinking and leadership qualities among cadets.

Feedback Summary

The Demo day received a great deal of positive feedback from participants. The same was summarized below.

- The event was carried out with excellent organization, and the demonstration was remarkable.
- Skill development is achieved through both hands-on and theoretical experiences, and the cadets have given favorable feedback on this matter.
- The cadets indicated that the duration of the program was sufficient.
- The resource person's communication was clear and easy to understand.
- In summary, the organization and implementation of the program were praiseworthy.



Course Outcome (CO) and Program Outcome (PO) Mapping:

Course Outcome:

CO1. Enhanced Innovation Skills:

Participants will develop a strong ability to generate, evaluate, and implement innovative ideas within their projects. They will learn creative problem-solving techniques and how to apply them in real-world scenarios.

CO2. Project Management Proficiency:

Participants will gain proficiency in fundamental project management skills, including planning, scheduling, risk management, and resource allocation. They will be able to effectively manage project timelines, budgets, and deliverables.

CO3. Integration of Technology and Tools:

Participants will become adept at using modern project management software and tools. They will learn how to integrate technology to streamline project processes and enhance collaboration among team members.

CO4. Strategic Thinking and Decision Making:

Participants will develop strategic thinking abilities, enabling them to make informed decisions that align with organizational goals. They will learn how to balance short-term project needs with long-term strategic objectives.

CO5. Team Collaboration and Leadership:

Participants will improve their leadership and team collaboration skills. They will learn how to lead diverse teams effectively, foster a collaborative work environment, and manage stakeholder expectations.

CO6. Practical Application and Real-World Projects:

Participants will apply their learning through hands-on projects and case studies. They will gain experience in tackling real-world challenges, from project conception to completion, and receive feedback to refine their approach.

CO-PO Mapping:

Program Name	CO	PO	Justification
Demo day	CO1	PO1,PO2,PO3,PO4,PO5,PO9,PO12	PO1:Applying of engineering concept is more predominant, PO2: Applying the formulas and analyze the problems considered
	CO2	PO1,PO2,PO3,PO4,PO5,PO9,PO12	
	CO3	PO1,PO2,PO3,PO4,PO5,PO9,PO12	



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	CO4	PO1,PO2,PO3,PO4,PO5,PO9,PO12	moderately, PO3,PO4 : A small impact is given to the complex problems. PO9:Team Work PO12: Concepts helps in life long learning
	CO5	PO1,PO2,PO3,PO4,PO5,PO9,PO12	
	CO6	PO1,PO2,PO3,PO4,PO5,PO9,PO12	

N. Ambikap

COORINATOR

Gm

HOD

Dr. V. Nirmal Kannan

PRINCIPAL
Dr.V.NIRMAL KANNAN,M.E.,Ph.D.,
PRINCIPAL
MOHAMED SATHAK ENGINEERING COLLEGE
KILAKARAI-623806.

