Online Faculty Development Programme

Organized by

School of Marine Engineering and Technology

INDIAN MARITIME UNIVERSITY

in collaboration with

AICTE TRAINING AND LEARNING (ATAL)

ACADEMY

Emerging Trends in Shipping Industry

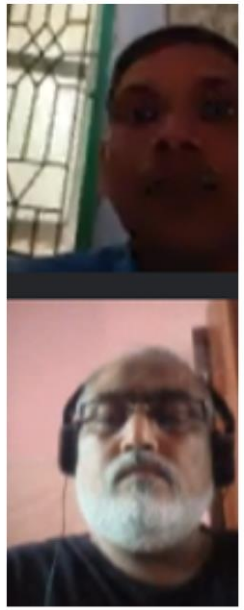
September 20-24, 2021

The School of Marine Engineering & Technology, Indian Maritime University, Chennai Campus organized and conducted a 5-Day Online Faculty Development Programme on “Emerging Trends in Shipping Industry” from 20.09.2021 to 24.09.2021. This programme was funded by AICTE Training and Learning (ATAL) Academy, New Delhi.

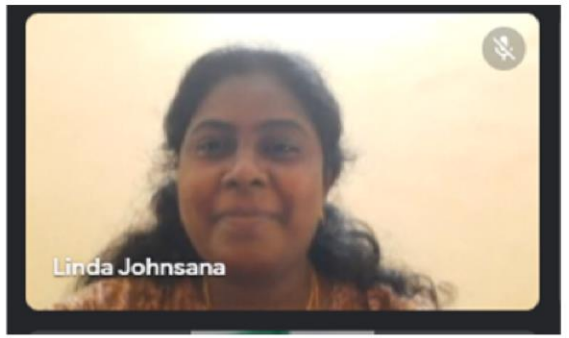
The programme was formally inaugurated on September 20, 2021, with a ceremonial invocation and the virtual lighting of a lamp. Dr. K. Sivasami, Coordinator and Head of SMET, IMU CC, made the opening speech. Honourable Director, Dr. Rajoo Balaji, IMU CC, presented the welcome address.

Vande Maataram..
Vande Maataram..

Buddhipradam Sharadam



Director Chennai Campus IMU


Linda Johnsana

Dr. S. Thangalakshmi Facul...

Dr. K. Sivasami HEAD -SM...

The Sessions were led by eminent personalities from prestigious universities and the shipping industry, the details of which are listed below:

Session	Topic	Resource Person	
1	Design Thinking and Cognitive Skills	Dr. Amit Choudhury, Ph.D. Dean, School of Business Sciences University of Science & Technology, Meghalaya & Chief Coordinator, NewGen, IEDC, USTM	
2	Oil and Chemical Operations in Modern Ships	Capt. Vijay Sharma Master – Chemical Tankers	
3	Marine Power systems	Dr. N. Vedachalam Scientist - F (Deep Sea Technologies) National Institute of Ocean Technology (NIOT), Chennai, India.	

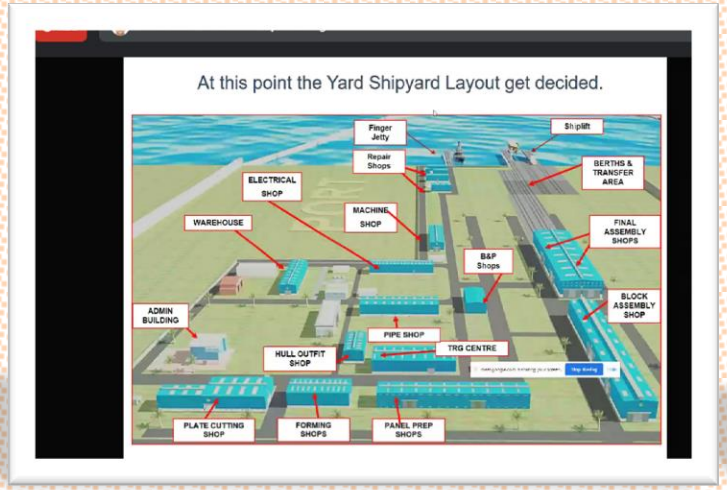
Session	Topic	Resource Person	
4	Technology integration in Shipping - Human Machine Interface	Dr. (Capt.) Suresh Bhardwaj Resident Director & Principal, MASSA Maritime Academy, Chennai	
5	Running Effective Shipyards in India	Shri. Hrishikesh Narasimhan General Manager Production & Refits L&T Shipbuilding Ltd. Kattupalli, Chennai	
6	Alternate Fuels	S Paranthaman Associate Professor/Marine Chief Engineer Department of Marine Engineering Hindustan Institute of Maritime Training, Chennai	

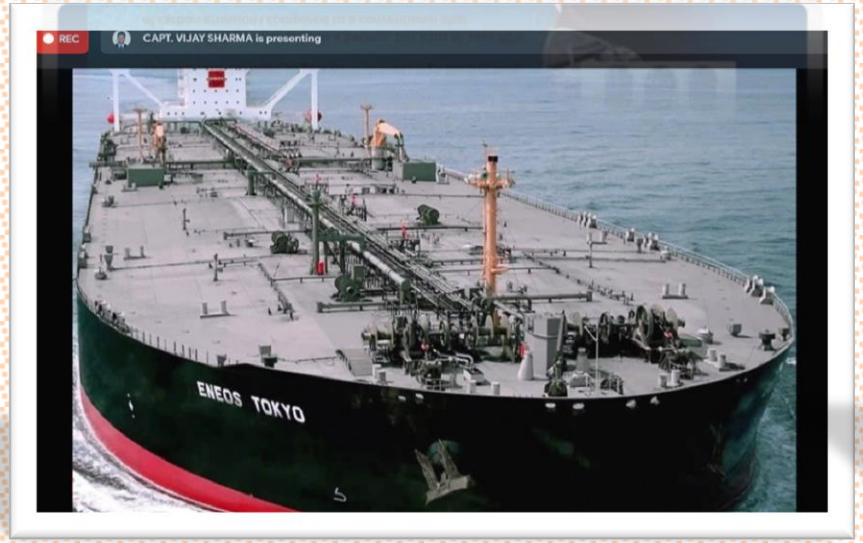
Session	Topic	Resource Person	
7	Modern Sensors	Dr. Karunesh K. Gupta, Ph.D. FIE(I), SMIEEE Associate Professor, Department of Electrical & Electronics Engineering Birla Institute of Technology & Science, Pilani Campus Pilani-333031, Rajasthan, India	
8	Challenges in Marine Batteries	Hemavathi S SCIENTIST CSIR-Central Electrochemical Research Institute - Chennai Centre. CSIR Madras Complex	
9	Microstructure-Corrosion Property Correlation in Metallic Coatings	Dr. Chandan Srivastava, PhD Associate Professor Department of Materials Engineering Indian Institute of Science Bangalore-560012 India	

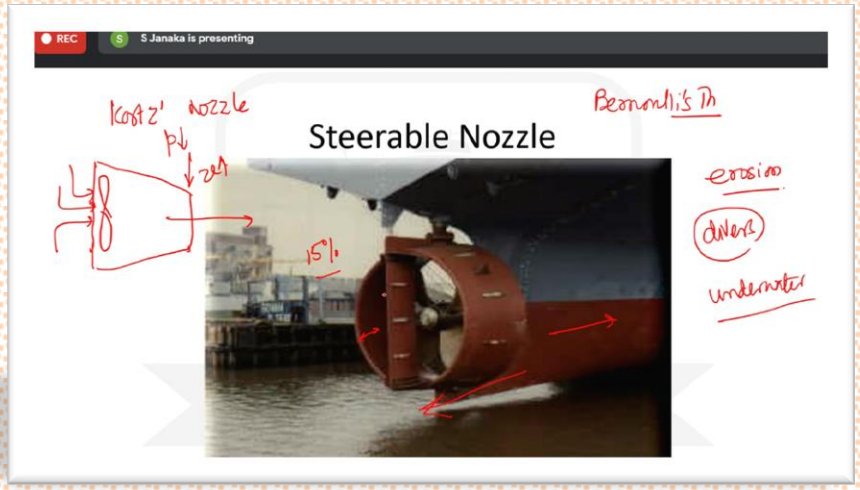
Session	Topic	Resource Person	
10	Energy Management	Shri. S. Ramalingam Former Chairman & Managing Director Chennai Petroleum Corporation Ltd. (CPCL) & National President Energy & Fuel Users' Association of India (ENFUSE)	
11 (a)	Digitalization in Ships	Capt. Ramadass V Director, QHSE Synergy Maritime Private Ltd., Chennai	
11 (b)	Marine Communication	Dr. R. Bhuvaneswari Deputy Registrar (Admin) – IMU CC	

Session	Topic	Resource Person	
12	Modern Ship Propulsion	S. Janaka Faculty/ Marine Chief Engineer Hindustan Institute of Maritime Training, Chennai	
13	Marine Tribology	Dr. S. Mohamed Ali Professor Department of Mechanical Engineering Pondicherry Engineering College	
14	Autonomous Shipping & AI/ML Application to Shipping	Dr. L. R. Chary Former Executive Director Shipping Corporation of India	

REC
Mohamed Ali is presenting
The Oceanbird :
Swedish firm develops largest wind-driven cargo shop (2020)
The ship will have an engine as a backup, but aims to save 90% of carbon emissions compared to a conventional ship.


At this point the Yard Shipyard Layout get decided.
Finger Jetty
Repair Shops
Shiplift
BERTHS & TRANSFER AREA
ELECTRICAL SHOP
MACHINE SHOP
WAREHOUSE
FINAL ASSEMBLY SHOPS
B&P Shops
BLOCK ASSEMBLY SHOP
ADMIN BUILDING
PIPE SHOP
TRG CENTRE
HULL OUTFIT SHOP
PLATE CUTTING SHOP
FORMING SHOPS
PANEL PREP SHOPS


REC
CAPT. VIJAY SHARMA is presenting
ENEOS TOKYO


REC
S Janaka is presenting
Steerable Nozzle
Bernoulli's Th
erosion
divers
underwater
15%

REC
Lr Chary is presenting
and that will also factor in things like the weather

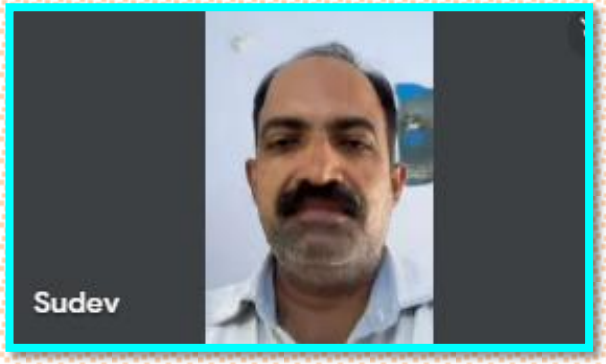
sankaran ramalingam

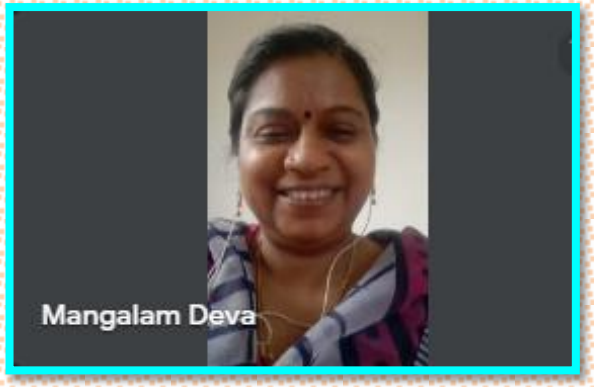
Dr. K. Sivasami HEAD -SMET IMU Chen...

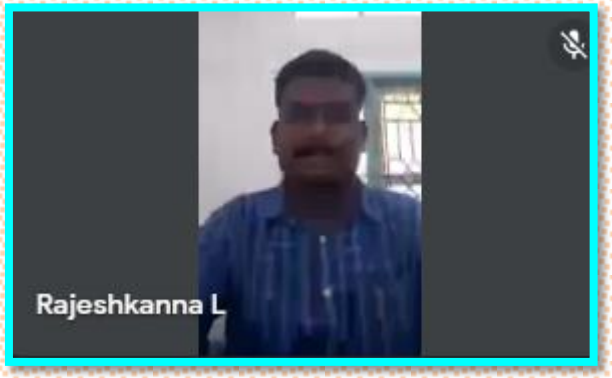
Dr. S. Thangalakshmi Faculty IMU Chen...

Ganesh V

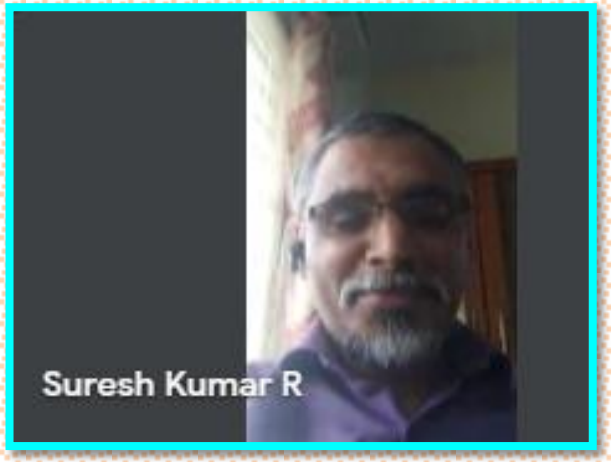
Hare Ram Hare IMU MPC


Sudev


Mangalam Deva


Rajeshkanna L

Kirtan

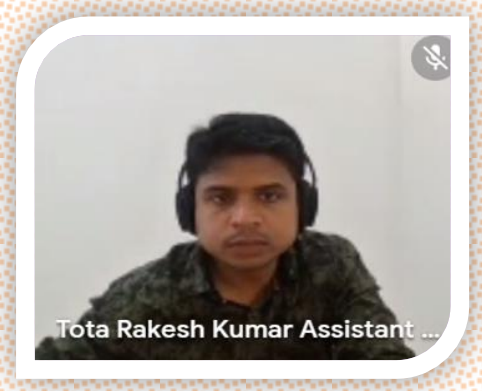

Suresh Kumar R

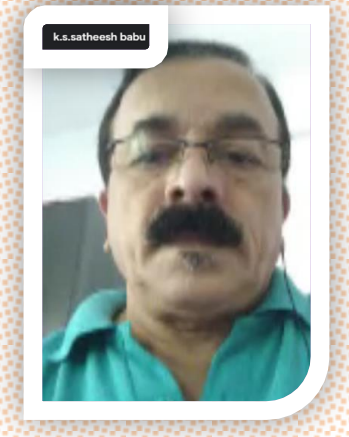
GARISH JEROME

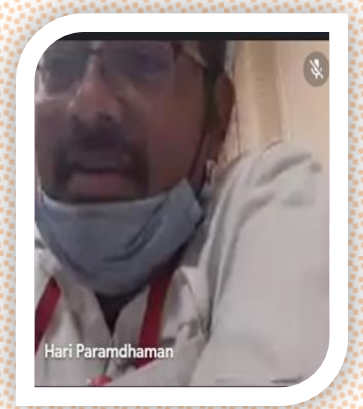
Surveyor Incharge

Krishnendu Das IMU

Gopalakrishna P.K. Faculty IMU MPC


Tota Rakesh Kumar Assistant ...


k.s.satheesh babu


Hari Paramdhaman

Siva subramanian

kaushalendra yadav