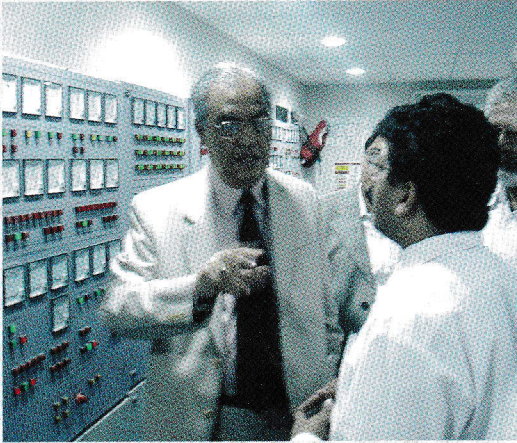




MARITIMES

A Campus News Server....

TMI Commissions Full Mission Ship Handling Simulator



9th of June was a memorable day for TMI as it launched its newly developed Simulator Section. Commissioning ceremony was graced by Mr. Ajoy Chatterjee, Chief-Surveyor - Govt. Of India, who was the Guest of Honour. The event was also attended by Capt. T. Kodama of NYK, Capt. Martin Burley of V-Ships, Capt. K. Khambatta of O.M.C.I., Capt. H. Subramaniam, GM - Eurasia Shipping and Mr. Soli Engineer, Vice-President, GES as well as representatives from various other shipping companies.

The Simulator section is the latest development in TMI comprising of a Ship Maneuvering Simulator and a Full Mission Engine Room Simulator. The setup is based on the Navi-Trainer instructed applications, intended for creating and editing exercise scenarios.

The Ship Maneuvering Simulator is capable of many tasks like route planning, positioning and assessment of its accuracy using modern methods, use of radar and ARP, safe watch-keeping on bridge, remote control systems of the ships propulsion system to name a few. The ship

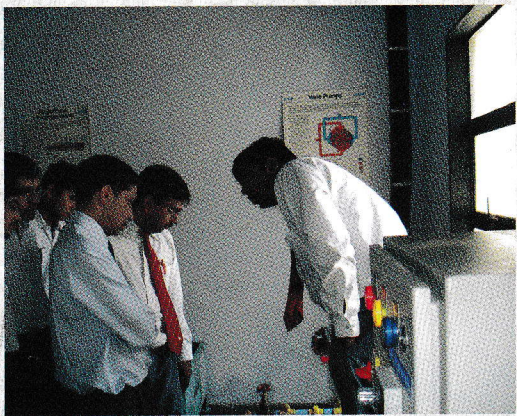
can also provide scenarios for maneuvering in any sea-condition. It also provides 12 geographical locations and 10 types of vessels that can be operated.

The Full Mission Engine Room Simulator is based upon a MAN B&W 6S60 MC engine. Its motive is to train the engine cadets for various engine operations and emergencies like dead ship condition, using fixed fire-fighting installations, remote operations of machinery and various other such operations. It is also designed to present various running condition contingencies at the cadets, which they have to detect, analyze and fix.



The Simulator Section is a boon for the cadets, which will train them better and give them an edge over the others when they finally go out to sea.

TMI Develops Centrifugal Pump Test Rig



Well known personality in the field of refrigeration and air-conditioning and formerly the ASHRAE Western India President, Mr. Ramesh Paranjpey delivered a guest lecture on modern refrigeration and air-conditioning techniques and latest trends in the maritime sector regarding the same. He acquainted the cadets with the concept of 'cold cycle' and introduced them to some new technological breakthroughs in the field of refrigeration and air-conditioning like the Scroll Compressor.

He also inaugurated a working model of a pump characteristics test rig. The Project was undertaken by Cdt. Shubham Somani, Cdt. Siddharth Verma, Cdt. Sree Kumar, Cdt. Srikanth Varma, Cdt. Tarandeep Singh, Cdt. Tarun Mehrotra, Cdt. Niraj Tipnis, Cdt. Sandip Upadhyay, Cdt. Vaibhav Agarwal, Cdt. R Vaidyanathan, Cdt. Varun Kodnani and Cdt. Ninad D Waghmare under the able guidance of Mr. Nitin N Bharaskar (Faculty- Thermal Engineering) and Mr. Ankush L Pawar.

The objective of this setup is to demonstrate the effect of various parameters on different types of pumps. This setup consists of 2 centrifugal pumps; one each for oil and water. There is also a rotary pump installed to determine rotary pump characteristics using a low viscosity medium.

Out of the various specialities of the setup is the use of Variable Frequency Drive (VFD) for running the pumps at different speeds. Controls are also provided to vary parameters like pressure, flow rate, and pump output. Facilities for monitoring various output parameters of both the pump and the motors are also provided. The project, designed and developed in-house at Rs. 60,000 is far more economical than a similar setup which is priced at an excess of Rs. 1.5 lakh in the market. This pump is soon to be introduced to the B.S.M.E. cadets in their 5th semester as a part of practical and hands on training facility. This would enable the cadets to be more competent in handling different pumps and pumping systems, their maintenance and troubleshooting.



Master Mariner Capt. Krishnamurthy Iyer

Captain Iyer started his training as deck cadet on T.S Dufferin in 1969. After passing out in 1971 he joined Shipping Corporation of India as a deck cadet where he served for many years, and rose up to the rank of a master in 1980. In 1989 he joined Seaarland Shipping Management and sailed in their vessels till 1999.

His qualifications include Extra Master (1987). Fellowship from Narottam Morarjee Institute of Shipping (1991) and Diploma in Management from Nautical Institute London(1995).

Captain Iyer is a highly experienced seafarer with over a quarter century of sailing experience.

His shore assignments include Marine Superintendent with SCI, company Training officer with Seaarland Shipping Management and faculty at the National Institute of Port Management at Chennai, where he has taught Second Mates, First Mates and Masters Certificate of Competency.

He has also undertaken consultancy work for various Shipping Companies.

In October 2001 he was nominated as an external examiner for the panel of oral examinations for Mates and Masters. Since then he has been regularly conducting oral examinations as an external examiner.

Captain Iyer has presented papers in the Seminars organized by the Company of Masters Course and was also actively involved in preparation of syllabus for the Pre Sea IGNOU Course.

In December 2002 Captain Iyer joined TMI as Head of the Nautical Department and started the Pre Sea Deck Cadets' course in Jan 2003 and B.S. Nautical Technology programme in August 2003.

At TMI, he started the Company-Specific value added courses for crew and Junior Officers for two Shipping Companies and at present, he is the Program Chair - Nautical Technology Programme.



Marine Control Engineering Lab

In order to enhance the practical skills of the cadets, TMI has developed a new Marine Control Engineering lab in the workshop building which is specially designed to make the cadets acquainted with the various automated systems available on board. Besides this it will also support value added course at the institute and will give an extra edge to the TMI cadets.

Some of the special features include the "PROGRAMMABLE LOGIC CONTROLLER" and the "SCADA" systems which are the most commonly used systems for various sophisticated equipments and various other electro-hydraulic and electro-pneumatic devices.

This lab has been added as part of curriculum in the 6th semester M.E. cadets and is a big step forward in terms of development of training facilities at TMI.

Faculty Visit to a Container Vessel

In a landmark development, Mr. K. A. Mehendale and Mr. L.S. Tikore (faculty, Electrical) were invited by Seaspan Crew Management for an educational trip onboard a sailing container vessel, M.V. Dubai Express.

The trip, the first of its kind, was highly beneficial, particularly as the experience gained would help bridge the gap between theory and practical reality in classes.

Boarding took place on 20th April 06 at Colombo port and over the next three days, both Mr. Mehendale and Mr. Tikore underwent the familiarization program and they were impressed by the QMS formalities on the Seaspan vessel. They also got to see the various generators, MSBs, telegraph, microcomputers for synchronization besides numerous other electrical circuits on active duty.

The faculty members also took part in a troubleshooting exercise and the repair and maintenance of a faulty 24V DC charger situated on the bridge.

What made this trip to the Seaspan vessel a lot more successful than a standard ship visit were the facts that Mr. Mehendale and Mr. Tikore were able to observe the various machines in operation over a sufficiently long period of a few days. The crew too was helpful and all relevant documents were easily accessible.

TMI can hope for the strengthening of this bond of solidarity with Seaspan so that more such trips are made.

Watch-keeping Duties

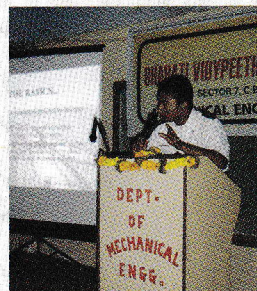
Boiler watch-keeping duties were assigned to the 3rd year engineering cadets, starting in the month of May. These watch-keeping sessions were carried out in shifts of four hours by a group of ten cadets who kept watch on a fully functional boiler plant and its auxiliaries such as steam turbine plant and coal conveyor belt system.

The cadets also took part in cleaning of boiler internals, overhauling and maintenance of various valves and changing gaskets for the steam turbine

Apart from this, the cadets maintained hourly log entries for the entire boiler and turbine system noting down various important running parameters.

The exercise is carried out to prepare the cadets in a better way towards keeping watch on board.

TMI at Bharati Vidyapeeth College of Engineering



Cdt. Gaurav Deb and Cdt. Samarth Singh represented TMI at the Bharati Vidyapeeth College of Engineering's annual National Level Technical and Cultural Fest "Abhiyaan '06". The cadets presented their paper on "Towed Multi Unit Tanker System" and were awarded a grant for further R&D in their area of research.

Basketball Tournament



The inter house basketball tournament was held in the third week of February and was very well contested by the four teams. Morarjee House won both the 'A' and 'B' leagues, to be crowned champions.

Final house standings were as follows:

- 1st Morarjee House
- 2nd Master House
- 3rd Mudaliar House
- 4th Cassim House

Team A best player: Abhinav Pal (Master House)
 Team B best player: Malhar Diwan (Master House)



Inter-house Swimming



Inter-house swimming championship took place in the month of May. The final house positions and individual results were as follows.

- Neil Bhatnagar (Cassim)
- 1st in Free style
- Siddharth Dattar(Cassim)
- 1st in Back stroke
- parag Deshpande(Mudaliar)
- 1st in Butterfly stroke
- Parag Deshpande(Mudaliar)
- 1st in Breast stroke

- 50x6 m Relay-Breast Stroke
- 100x6 Relay -Free style
- 25x4 Relay -Free style
- Carry the ball
- 50x4 Medley

- 1st Morarjee
- 1st Master
- 1st Master
- 1st Mudaliar
- 1st Cassim

Overall house positions were as follows:

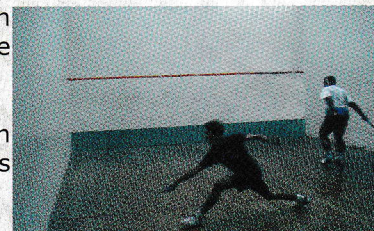
- 1) Morarjee
- 2) Master
- 3) Cassim
- 4) Mudaliar



Avnish Dubey Memorial - Squash Open

The Avnish Dubey Memorial Squash Open Championship was held from 18th to 23rd June in memory of the late TMI squash champ. The tournament was held on a knockout basis with the winner of each round proceeding to the next.

The final match was played between Cdt. Rochit Das and Lt.Col.(Retd.) Lalit Agnihotri. Although the first few games were closely fought, in the end Cdt. Rochit Das completely outclassed his opponent and won the game as well as the tournament.



Inter-house Badminton Tournament

This was a much-awaited event and it lived upto its expectations by producing some exciting and thrilling performances. This event was held in the month of May and Mudaliar edged out the runners up Master House in the finals by a match. The final score was 4-3.

- House Positions
- 1st Mudaliar House
 - 2nd Master House
 - 3rd Cassim House
 - 4th Morarjee House

- Winners - Singles: Cdt. Siddharth Mahadik (Mudaliar House)
- Winners - Doubles: Cdt. Gaurav Kurlekar (Mudaliar House)
Cdt. Babish (Mudaliar House)
- Winners - Mixed Doubles: Cdt. Mandira Nayak(Mudaliar House)
Cdt.Vinoth Kumar(Mudaliar House)

Self Defense Course

In yet another step towards preparing cadets at TMI to face the world tomorrow, more so for the girl cadets, a session of self-defense classes was conducted in the campus by Cdt. Shiva Shankaran (IVth Yr ME) and Cdt. Milind Asher (IInd Yr ME).



The cadets were taught certain techniques of Karate and Taekwando, in other words, they were trained to defend themselves against any kind of physical attack, if the need arises.

Having learnt and practiced the skills the cadets are now ready to face the world with more courage and confidence.

Cross Country Championship

The cross-country championship was held on the 4th of June and the overall house rankings were as follows:

- 1st Mudaliar House
- 2nd Master House
- 3rd Cassim House
- 4th Morarjee House

- 1st: Rohan Singh (Mudaliar House)
- 2nd: Sree Kumar (Morarjee House)
- 1st in girl cadets : Prana Varma (Morarjee House)



Campus Developments



TMI being true to its commitment to provide state of the art facilities and an all round environment for overall development of a cadet's personality has taken up various constructional projects at the campus which are being carried out at break-neck speed.

135 new rooms are being added to the new hostel, the work for which has almost reached its final stages. The hostel has also been equipped with two squash courts which have already been commissioned. The residential facility at the Executive hostel is also being increased by 160 rooms. The project is expected to be complete by the end of this year. 18 new flats are also being constructed as a part of the faculty housing facility and work is nearing completion.

On the academic front 15 new classrooms and a new library are on the anvil as the new building being erected adjacent to the main-block is taking shape. Also worth mentioning are the engine-room simulator and bridge control simulator, which have been put into operation.

New Faculty

TMI welcomes the following faculty members:

- Mr. Vinayak B Hemadri
- Mr. Sundeep Ranjit Sequeira
- Ms. Sanjay B Dabadgaonkar
- Ms. Sheetal R Borkar
- Mr. Rahul Nagpaul
- Ms. Vandana Shinde
- Mr. Manoj Virkar

TMI bids farewell to the following members:

- Mr. Jagbandhu Majumder
- Mr. Nilesh Shankar Supe
- Mr. Prashant Vamanrao Jagtap
- Mr. Sankar K Subramanian
- Mr. Elstan A Fernandez
- Ms. Lorraine Fernandez

Debate Competition



A debate competition was held on the 5th of April for the cadets to hone their oratory skills. The topic of debate was "Should Indian nuclear reactors be opened to foreign regulatory commissions?".

A total of 14 candidates participated in the event. Cdt. Priyesh Sharma bagged the top prize while Cdt. Kartik Mohan came a close second.

The event was judged by Mr. Sonkamble, Mr. G.S. Bains and Cdr. Dasgupta.

Cultural Extravaganza

Rounds of applause and appreciation were what the auditorium witnessed on the eve of 9th June as the end of semester cultural extravaganza unfolded.

Cadets from all years and each program participated in the activity and displayed their talents in the form of dance performances where the dance crew performed various synchronized movements but the show stealer was the stellar performance by the institute band performing various popular rock numbers and driving the audience into a frenzy.



The event was well received and appreciated by the faculty as well as the cadets, who will definitely wait eagerly for the next one.

Sailor Today Awards Night

The evening of 9th June 06 witnessed a grand event in the form of the Sailor Today Awards night for seafarers, organized by the Lloyds Registrar. The venue, Taj President, Mumbai, was spectator to not only gestures of appreciation for seafarers and others associated with the shipping industry, but also to a rollicking and fun-filled entertainment program. Performances by the dance group and rock band from TMI at such a platform is indeed a matter of pride and prestige for every TMIian. Cadets of other renowned maritime institutes also participated. The presence of various eminent personalities from the field of shipping further graced the evening.

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