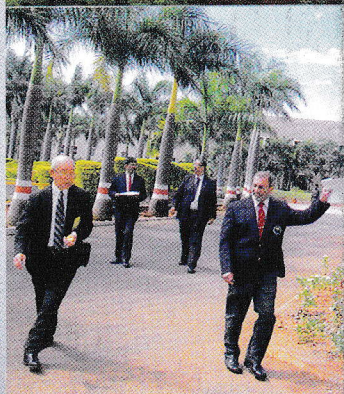
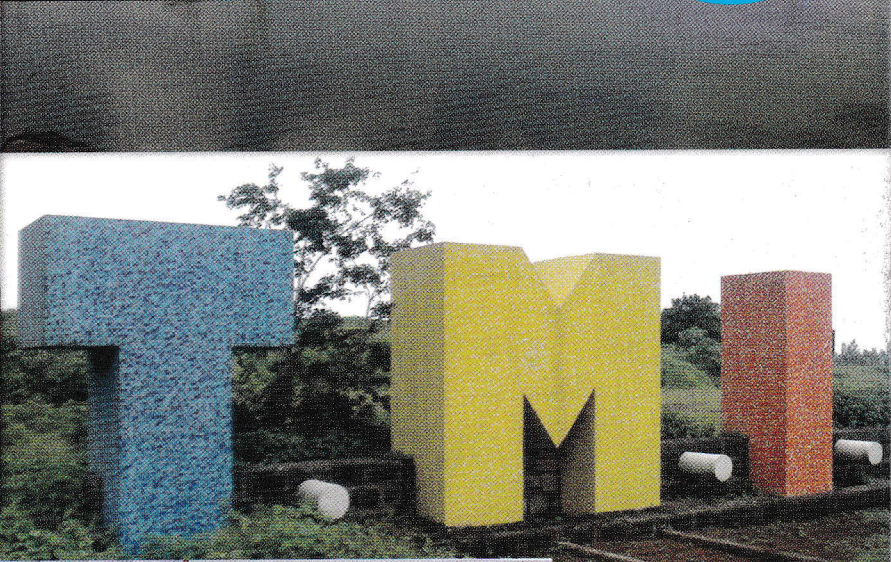
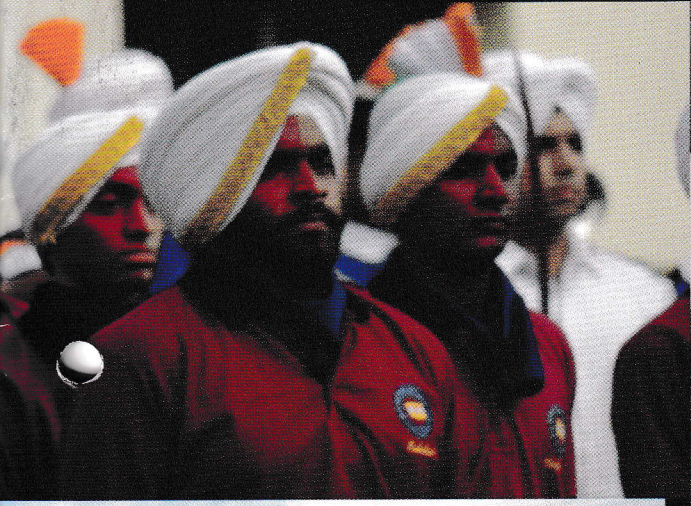
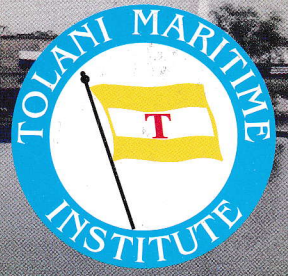


december 2013

maritimes



Celebrating 15 Glorious Years

WHAT'S INSIDE cover



EDITOR TALK

The year 1998 was historic. A lot of the events that took place in the span of 1998-1999, were for the betterment of Shipping Industry as a whole. One such event was the establishment of the Tolani Maritime Institute. Since then it has been devoted to the mere task of producing competent cadets. In the year 2013, it completed 15 years of excellence in the field of Maritime education for which it also received the 2013 Gateway Awards.

With this, I would like to introduce you to the December issue of Maritimes. Inside you will find an interview with Dr. Rajendra Prasad & Mr. Varun Patwardhan. Further on, you'll find an enlightening article on the new design of the bulbous bow that surprisingly increases the fuel efficiency by 20%.

Finally, I would like to thank all the faculty advisors for their support and guidance without which this edition wouldn't have been possible. I would also like to thank my dynamic team, who has diligently worked throughout the semester to bring to you this much awaited edition. In the end, wishing you all a Merry Christmas and a Happy New Year.

Himanshu
Himanshu Sharma

FRESHER'S NIGHT

Welcoming the first-years with a cultural extravaganza

03

RENDEZVOUS

Dr. Rajendra Prasad shares his experiences

04

ALUMNI SPEAK

In a tete-a-tete with Varun Patwardhan

10

VISITS

11

BATTLE OF THE HOUSES

TMIans fighting it out for supremacy

12

GLOBAL MARITIME NEWS

What's buzzing in the Maritime Industry

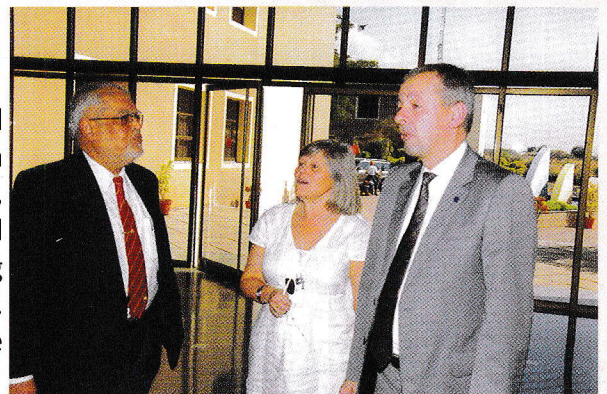
15

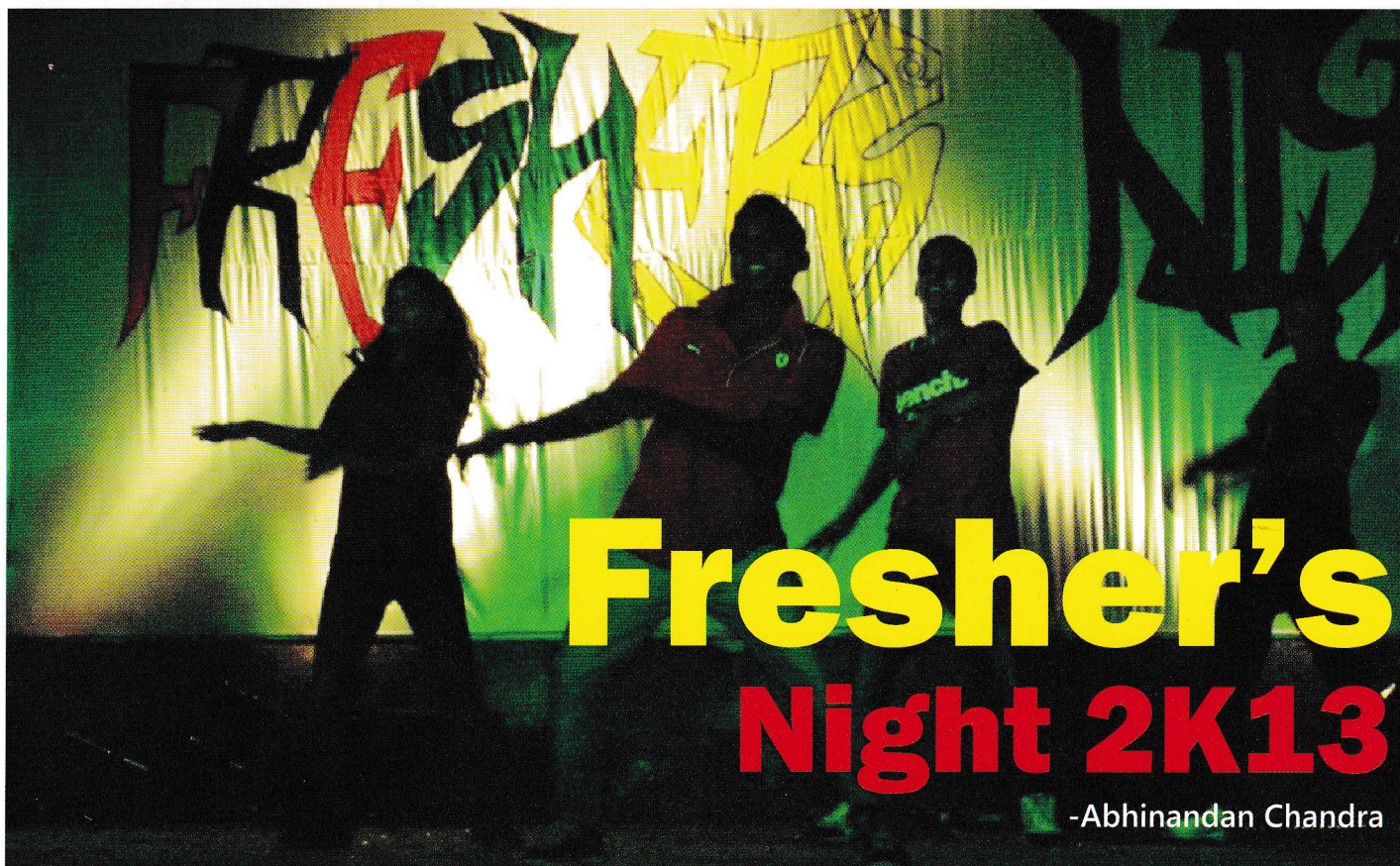
What's New?

Lloyd's Register Visit

-Amarsinh Chavan

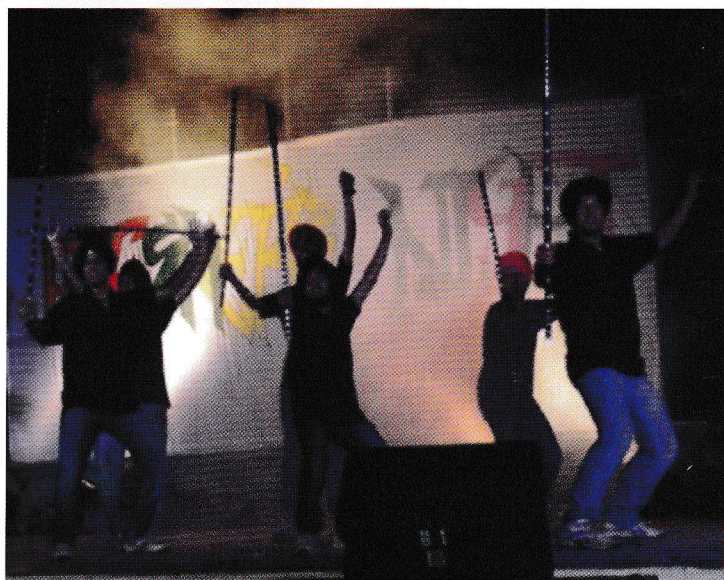
Mr. Richard Sadler, CEO, Lloyd's Register, Mrs. Sadler and Mr. Chitta R. Dash, Country Head of Lloyd's Register (India Division), visited the Tolani Maritime Campus on 24 November, 2013. They also conducted a seminar in which they addressed cadets about the Lloyd's Register. "It was an enriching experience and the infrastructure is world class" said Mr. Sadler. Mr. Chitta R. Dash felt that all the facilities being provided by the college are excellent.





All the talented and creative cadets of TMI presented the most eagerly awaited cultural event of this semester, the "Fresher's Night 2k13" on 17th Oct 2013. A plethora of musical and dance performances were planned and culminated on this night. The chief guest for the night was Mrs. Sujata Naik-Tolani who reminded us all that many years down the line, it is only such events that we cherish and remember.

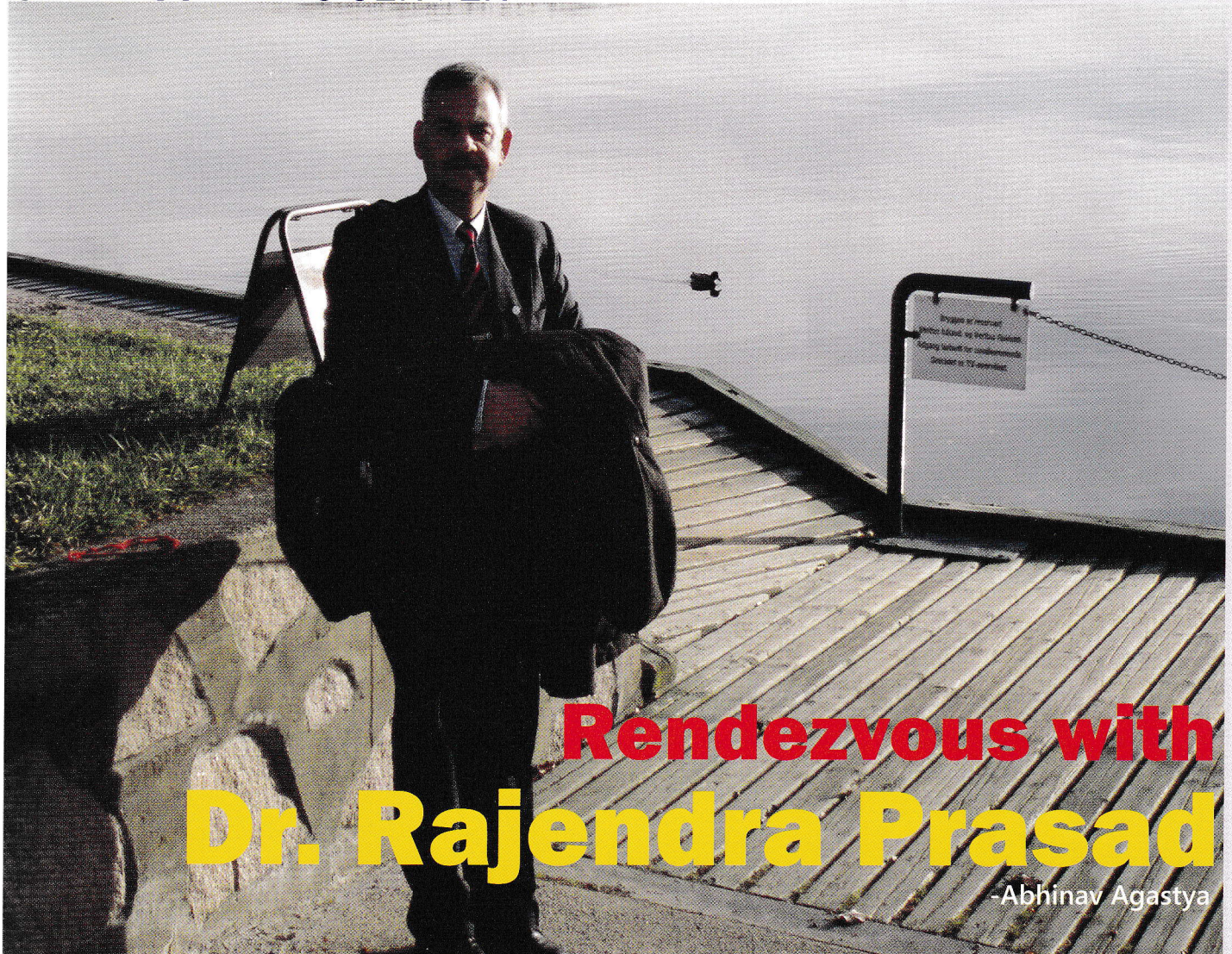
The night kicked off with bands jamming to rock and alternative tunes. Musicians from all years took to the stage and it was interesting to see the audience enraptured by the performances. Next up was a play with side splitting humour. The play managed to tickle the funny bones of the audience thanks to its portrayal of life in TMI, to which everyone present in the audience could relate to! The exploits of the actors whipped up a storm on stage. After the laughing riot it was time for the states of U.P. Punjab, Bihar, Maharashtra and the South to present the unique dance styles of which U.P was declared the winner at the end of the night. The musical show continued with bands playing popular compositions both Hindi and English. Though it was the melodious and splendid yet simple jugalbandi on the tabla and drums that stole the show. The performance concluded the musical concert.



The Bhangra performance was one of the most anticipated events of the night. Clad in their customized tee shirts and wielding sticks, their dancing had the crowd grooving even before the DJ had come on! Such is the charm of Bhangra performances. The fun and frolic of the evening carried on with the DJ night. The music had the gathering swaying to the latest bollywood songs and hit remixes.

In all this excitement and hysteria everyone lost a track of time and it was 11PM by the time the "Fresher's Night" concluded and the events of the evening came to a close.

All in all, it was a heady mix of efforts by everyone with even the freshers coming up to perform on their own freshers night and making the night a memorable one.



Rendezvous with Dr. Rajendra Prasad

-Abhinav Agastya

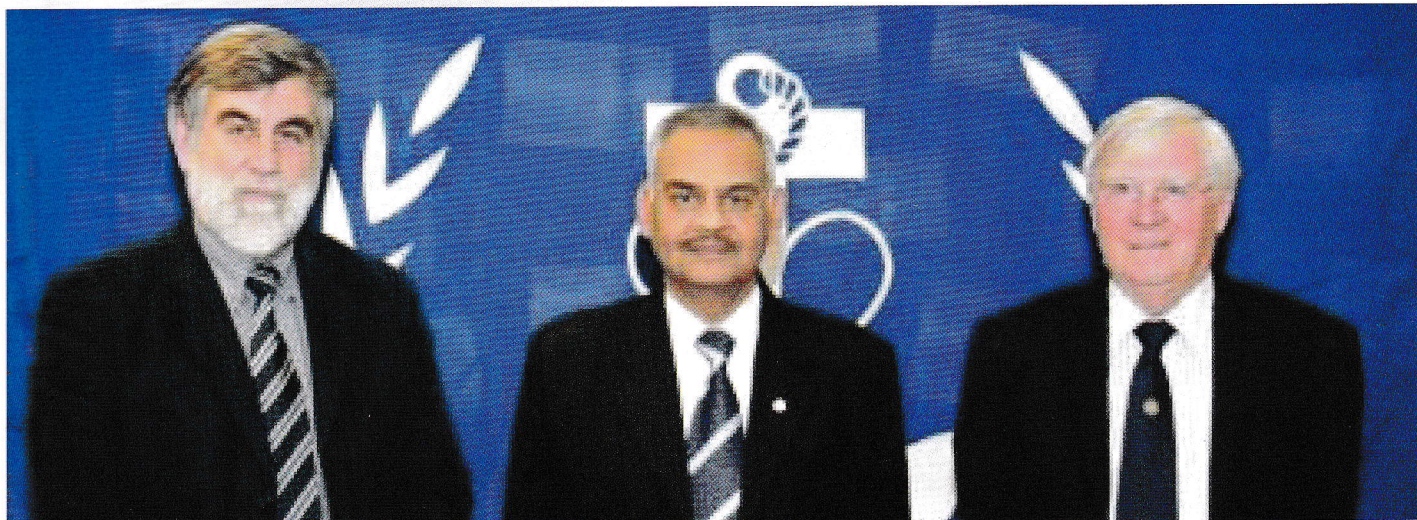
Dr. Rajendra Prasad, who is one of the latest additions to Faculty Members at Tolani Maritime Institute, Pune is a methodical and mature person. Having spent a total of thirteen years of his life at sea as an engineer, he is well trained and an experienced seafarer. He is currently teaching the courses Ship Operations and IMO for the Fourth Year cadets and Maritime Environment Protection for the Third Year cadets. Recently, Maritimes got in touch with him and here is what we found out:

Q: Where did your journey begin?

A: I was born on 30th September, 1944 in Rajasthan. However, I lived and spent my childhood in Delhi. I did my schooling from Government Model School, Delhi Cantonment following which I joined the Marine Engineering Course at the erstwhile Directorate of Marine Engineering Training at Mumbai and Calcutta (now renamed as the Marine Engineering and Research Institute MERI, under the Indian Maritime University) from 1963-1967. My four year course was divided into three years at Mumbai and final year at Calcutta. I did my apprenticeship at Mazagaon Dock, Mumbai.

Q: Sir, what did you do before joining TMI?

A: After passing from DMET I joined Shipping Corporation of India in 1967. I got my Certificate of Competency as First Class Engineer (Motor), Government of India in 1972. Subsequently, I was promoted as Chief Engineer in 1973. I continued sailing till 1980 when SCI transferred me to its head office in Mumbai as Manager Training. In 1987-88 I did my M.Sc. in Maritime Affairs with specialization in Maritime Education and Training from the World Maritime University, Malmo, Sweden. After returning to Mumbai in 1989 I was assigned responsibility of Dean of Engineering and Management studies at the Maritime Training Institute (MTI) of SCI. This was followed by an assignment as a Superintendent and later as the General Manager Incharge of technical management of the fleet



of Bulk Carriers of the SCI. In 1996 I returned to MTI as Principal. Then in 1998 I went to the World Maritime University, Sweden as a Research Fellow/ Lecturer, and retired as Assistant Professor in 2011. During this period I also completed my Ph.D.

Q: Sir, please share some of your interesting on board experiences.

A: I have been very fortunate to have had smooth sailing during most of my seafaring days. However, once we had fire on board a passenger vessel, it was a 1949 built steam propulsion ship acquired from British India Shipping Company. The fire occurred during my watch, the diesel auxiliary engine had caught fire. However, due to our timely response we averted a major catastrophe. Another incident was when our engine's cooler malfunctioned, forcing us to stop the engine. We drifted at sea for a day till we could improvise through unique carpentry work, and repair the cooler.

In 1972 while sailing in Newfoundland, our general cargo vessel got stuck in ice. The crew waited for six hours for an icebreaker to come release the ship. After this we had to go to New York to assess the problem. It was found that the tips of the propeller blades were bent. Since the vessel was loaded, the company decided to make the voyage to Mumbai at reduced speed which took us forty-five days of continuous sailing.

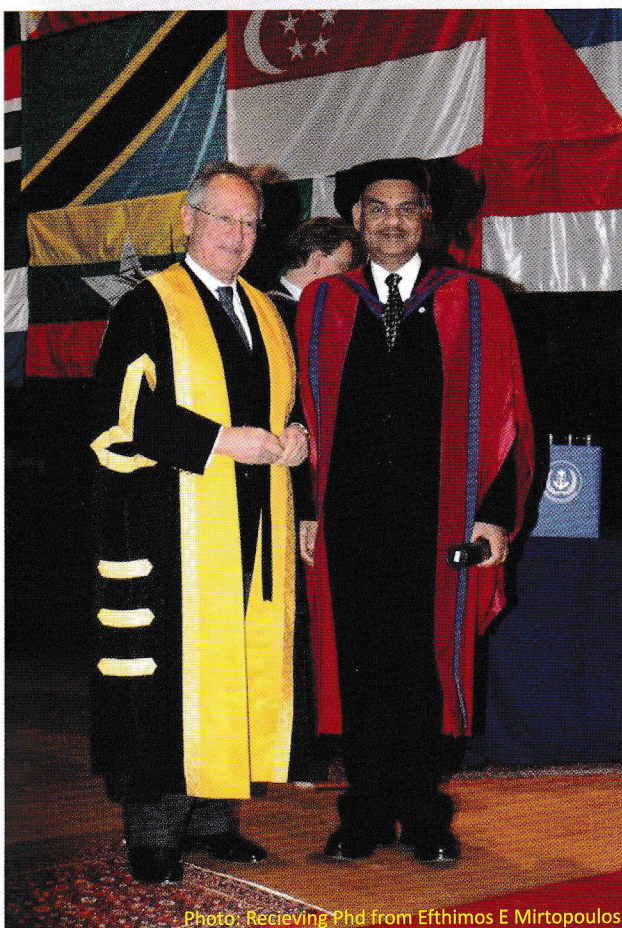


Photo: Receiving Phd from Efthimos E Mirtopoulos

Q: Sir, what would you describe as the most joyful moment of your life?

A: During my sailing days, I was fortunate to sail with my family, for nearly five years. Once in Yugoslavia (now Montenegro), we had to dry dock our vessel for guarantee, the rudder had to be removed, taken to Split (now in Croatia), for repairs and brought back to refit. This other structural work took two months. This gave us an opportunity to travel a lot in Yugoslavia and along the Adriatic coastline.

Q: What would you describe as your greatest professional achievement?

A: As far as shipping is concerned, I would say I got my certificates pretty quickly, and the prevailing shortage of seafarers helped me become a Chief Engineer within five years. Further, while working for SCI in Mumbai I was engaged in setting up a training facility exclusively for SCI. Earlier, SCI used to train its employees in collaboration with different institutions. It was that time when the STCW convention was being implemented. Thus, we required a dedicated Training Institute for SCI employees. This resulted in the formation of SCI Maritime Training Institute at Powai. Creating an entirely new syllabus and curriculum for Post-Sea Courses and Management Program gave me a great sense of

CAMPUS NEWS SERVER

achievement and satisfaction. On the academic front it was when I received my Ph.D degree at the hands of the Secretary General of IMO, Adm. Efthimios E. Mitropoulos, the then Chancellor of the World Maritime University.

Q: Which person influenced your life greatly?

A: The formative years of childhood are influenced by a number of people. But the person who influenced my life greatly was my father. He was a teacher himself. He instilled in me a sense of sincerity. He believed that whatever the work, one must do it sincerely.

Q: What message would you like to give the students?

A: A student should be sincere towards his studies and remain focused on his objective. Apart from that, I believe students should learn and increase their knowledge through discussions with others. Studying simply to pass examinations does not help in the long run; they should have their basic concepts clear in order to have a proper understanding of the subject matter. This would help them respond to whatever situation they encounter in their practical life.

Jal Tarang

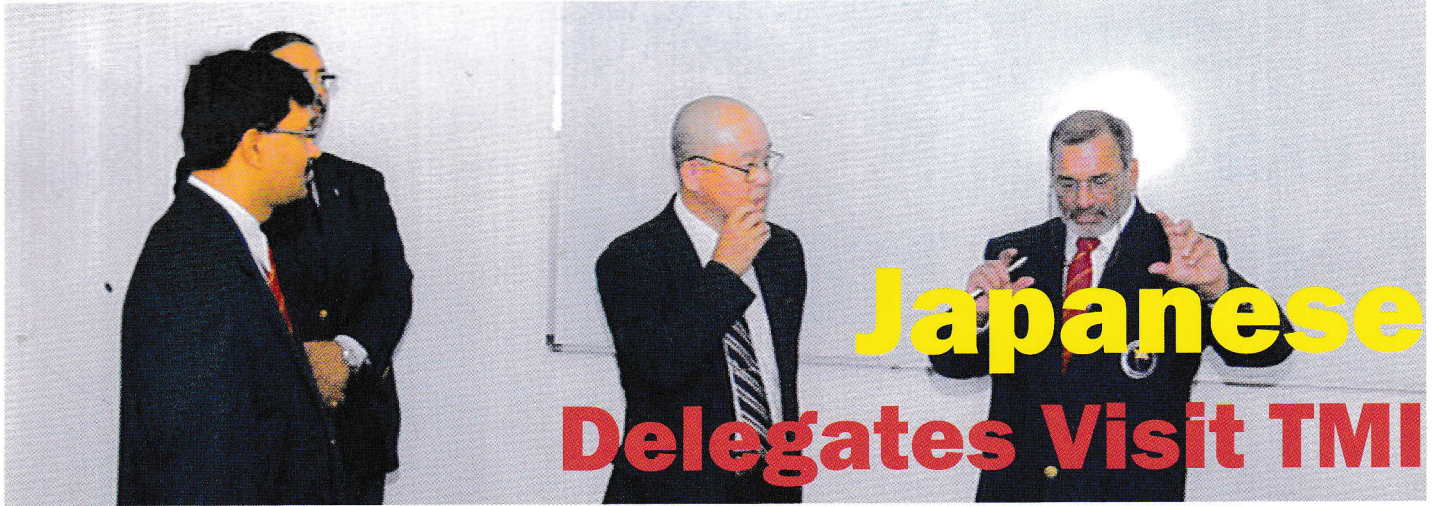
-Jaideep Chaudhary



“ Music is the moral law which gives soul to the universe, wings to the mind, flight to the imagination and charm and gaiety to life”

As rightly said by Plato, this was experienced by the cadets on 4th Oct, 2013 in the musical evening of 'Jal Tarang'. Jal Tarang is an Indian melodic percussion instrument. It consists of ceramic or metal bowls tuned with water. The gentle tinkle of its unique sound is quiet pleasing.

The program initiated in the auditorium with the felicitation of India's ace Jal Tarang player Sh. Milind Tulankar. He was accompanied by Mr. Charudatta Phadke, who is a remarkable tabla player. Sh. Tulankar began by playing the melodies of bollywood hits. Later, the two artists enraptured the audience on the tune of raga 'Yaman'. Those were really mesmerizing moments to listen to the harmonic coordination and 'Jugalbandi' of the tinkling of Jal Tarang and the beats of Tabla. It lasted for two hours and instilled renewed vitality and vigour in the audience. Principal Dr. B.K. Saxena appreciated and thanked the renowned artists for taking out the time from their busy schedules to perform at TMI. The program concluded with a huge round of applause.



Japanese Delegates Visit TMI

-Aishwarya Chaurasia

A team of six Japanese Government delegates visited Tolani Maritime Institute on 18th November, 2013. The purpose of the visit was to audit the facilities being provided by the institute. They were accompanied by the Indian representatives of the Japanese companies. The faculty members took the delegates on a tour of the campus. By the end of the day, the delegates were impressed and felt that the infrastructure and facilities being provided were excellent.



Epaulette Ceremony

-Guna Abhinav

The Epaulette Ceremony was conducted on the 11th of September this year. A fresh batch of students was formally inducted into the TMI family for cadet training. The Chief Guest for this auspicious occasion was Air Marshal B.N.Gokhale(Retd.). Once the Epaulettes were unveiled, the cadets took the Oath wherein they promised to abide the rules of the Institute. With this they also agreed to take up the challenging responsibilities of a cadet. Finally, the speech given by the Chief Guest proved highly motivational for all the First years. Let us wish the newly inducted cadets GOOD LUCK and hope that they have a bright and prosperous future ahead.

Study Hours

-Aditya Mohan

The faculty members of TMI have come up with the idea of 'Study Hours' to inculcate the habit of self study in the cadets. The faculty members go the extra mile by visiting hostels from 8:30 to 10:30 pm. They help students overcome their difficulties in all the subjects.



Latest Fire-Fighting Systems

-Pranav Gupta

TMI always tends to keep up with the latest STCW norms and procedures and thus installed the latest Dry Chemical Powder (DCP) and High Expansion Foam (HEF) fire-fighting system. This will help upgrading the fire-fighting skills of cadets pursuing undergraduate courses in TMI. These advanced systems are usually found installed in oil tankers and LNG carriers, as the risk of fire is maximum in these types of ships.

HEF and DCP systems consist of Nitrogen gas cylinders (for storage purposes), special foam generators, hose stations and monitors to fight fires. Ultimately, diminishing the fear in one's mind about fighting fire and making one feel confident is what will surely be achieved by this educational investment made by TMI within its campus.



ECDIS Lab

-Archie Gracias

An Electronics Chart Display and Information System (ECDIS) is a computer based navigation system that complies with IMO regulations and can function as an alternative for paper navigation charts. As a result of STCW 2010 convention, it has become mandatory for every navigating officer to complete course model 1.23 proposed by IMO.

Meeting the SOLAS requirements and considering the rising importance of ECDIS, TMI has started its own ECDIS LAB. The TMI ECDIS LAB has a Transas Navisailor 4000 model. There are 6 work stations and each work station has a RADAR and various other bridge equipment such as GPS, AIS, Loran, eco-sounder, autopilot and a course recorder. As a result of various facilities available, we are able to simulate ship's own condition, target ship's condition and state of the sea.

After receiving clearance from DG Shipping in May 2013, the first course commenced on 3rd June, 2013. With Capt. Banerji as the Co-Coordinator of ECDIS LAB, TMI has successfully conducted 6 such courses and has trained 26 people till date. TMI is sure that the lab would be beneficial to all deck officers and is looking forward for a healthy response ahead.

Ganesh Chaturthi

-Sushant Rana



Just like the past years, even this year the much awaited "Ganesh Chaturthi" was celebrated with full enthusiasm, not only by the faculty members of T.M.I but also by the cadet's. There was an active participation from the cadet's side. Almost every member of the TMI- faculty and cadets – would get together for the Aarti at 1900hrs. It felt like as if the whole TMI family had come together and was praying for a better future ahead. The pooja was held for ten days starting from 9th September, 2013 to 19th September, 2013.

On the tenth and final day, "VISARJAN" (the day on which the idol of Lord Ganesha is immersed in the sea or any huge water body) was held. As a tribute to the lord for the last time this year almost all the cadets danced on the lanes of TMI out of joy. After this rejuvenating moment, it was time to say good-bye to the benevolent God wishing that he returns to TMI next year again. With tears in the eyes of all of us, it was really hard to bid farewell to Lord Ganesha. It is said that Lord Ganesha takes away all the troubles and misery faced in one's life with him at the time of "Visarjan".

Study Room

-Atishay Sachdeva



A Study Room is a room which is used for paperwork, computer work or reading and it can be termed as a social learning platform. There is one in our very own institute which was earlier inaugurated by Mrs. Papu Tolani and Dr. N.P. Tolani accompanied by Dr. Sujata Naik -Tolani on 31st August, 2013, for the kids who reside in the vicinity. The room can accommodate upto 15 children and it also comprises of different maps of India and the world for students to refer to.

The room has individual chairs and tables which will help students incorporate the habit of self study. The room also has a board that encourages students to come forward and teach topics that they are familiar with. This methodology of studying is advantageous for all as it helps students come out of their cocoon and overcome shyness. The students are psyched and are looking forward to make the best use of it.



Alumni Speak

-Ameya Mutatkar

“Alumni Speak” is back with a new senior, a new company and a new message. Mr. Varun Patwardhan of Master house, was the ICC of the 2005 batch. He was also the winner of Chairman's Silver medal for an all round performance. He is presently sailing on Chevron owned vessel, CSC Castor Voyager.

Q. Sir, please share your internship experience with us.

A. The first time I went onboard a vessel, I was in sheer awe of her majesty. Once I stepped onboard, the work started immediately. A marine engineer's work revolves around watches and maintenance schedules. As an apprentice, I had to learn from scratch. At first, all this seemed a bit unusual and since one feels a bit homesick the first time, the first few months felt difficult to adjust to. As I sailed on more and more ships, the sea life and work felt easier to adjust to. Every ship is a new experience and one learns new things every time.

Q. Sir, in which all ways did the teaching methodology at TMI prove useful onboard?

A. The things I learnt at TMI have helped me a great deal in my work. The emphasis on learning and understanding the basics at TMI helps a lot in troubleshooting problems which one faces onboard. The theoretical knowledge is one aspect; the exposure to practical skills has also helped me immensely in my work.

Q. Any memorable incident you would like to share with all of us at TMI?

A. One of the reasons one joins the Merchant Navy is to see a part of the world, of course not the whole of it. I had a wonderful experience transiting the Istanbul straits, particularly because of its historical relevance. I was off watch at that time, so I got to see the whole transit and it was truly breathtaking.

Q. Sir, what is your take on the importance of extra-curricular activities for a seafarer?

A. Extracurricular activities are meant to divert our attention from mentally and physically challenging aspects of a marine engineer's job. Gathering together with shipmates gives us a chance to unwind and enjoy each other's company and talk of things other than the ship, which we do almost all the time when we are onboard. Playing a game of basketball in the gantry area, or having a darts challenge in the lounge, just takes one's mind off work for a couple of hours. This is very important because this gives a chance to start fresh every single day.

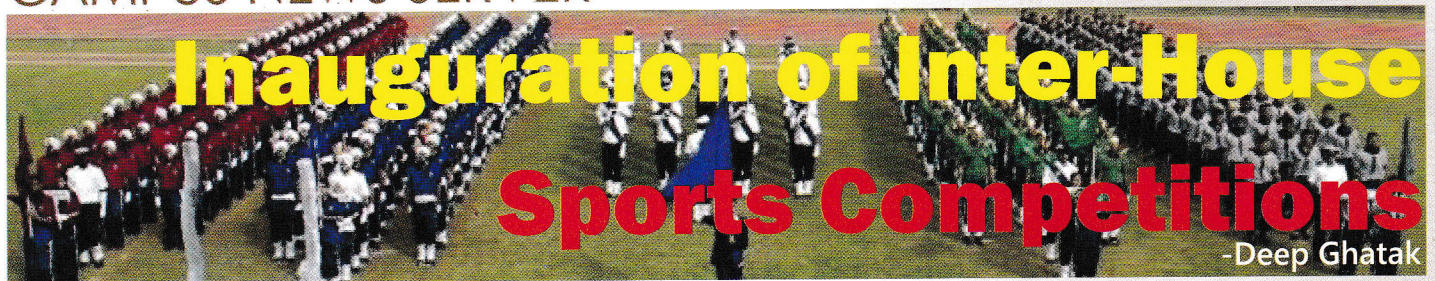
Q. Sir, what message would you like to give to all cadets of TMI?

A. I would like to tell the cadets to stay strong and keep pushing hard to achieve their targets. Do enjoy the college because you will surely miss it once you pass out from there.

Visits

-Amarsinh Chavan

Date	Name of Visitor	Company
6-Sep-13	Capt. Tarun Kumar	Director, Scorpio Marine Services
11-Sep-13	Air Marshal B.N. Gokhale(Retd.)	
17-Sep-13	Dr. Kathryn Jean Boor	Dean, College of Agriculture and Life Sciences, Cornell University
	Mr. Martin Boor	
	Dr. Sujata Naik-Tolani	
18-Oct-13	Capt. Bill Lunn	Deputy Director (Training), Bernhard Sahulte Ship Management, Hong Kong
	Mr. Brij Srivastava	BSM Mumbai
09-Nov-13	Hege Larsen	Competence and Training Manager, Wilhe'msen Ship Management
	Abel S. Reuben	Training Co-ordinator
14-Nov-13	Mr. Dubey	Sandigan Shipping
18-Nov-13	Mr. Hiroshi Imai	Minister of Labour, Infrastructure & Tourism
	Mr. Tai Uenishi	Japan (MLIT)
	Mr. Sigeru Nomura	MLIT
	Mr. Hisao Misei	JSA
	Mr. Kenji Kodama	MOL
	Mr. K.Katsui	MOLMI
	Capt.B.K.Jha	MOLMI
	Mr. C.P. Paul	NYK
21-Nov-13	Capt. N.P.Singh	NYK Ship Mgmt.
	Capt. Tetsuro Hamaguchi	NYK Ship Mgmt.
24-Nov-13	Mr. Richard Sadler	CEO of Lloyds Register Group, London
	Mrs. Sadler	
	Mr. Chitta Dash	Country Head-India, Lloyds Register



March Past is an epitome of discipline and coordination, which instills in us a feeling of pride and responsibility. The annual Interhouse March Past competition and mass demonstration was held on 6th September, 2013. The Chief Guest of the occasion was Capt. Tarun Kumar, Director, Scorpio Marine Services. The event commenced with the felicitation of the Chief Guest followed by the perfect show of synchronization when the four houses marched in unison. The Chief Guest declared the Inter-house sports competitions for 2013-2014 at TMI to be open. This event was followed by the mass demonstration performed by all the houses which consisted of small skits depicting latest moral issues of the society.

The show concluded by the declaration of the results which are as follows:

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



Cross Country

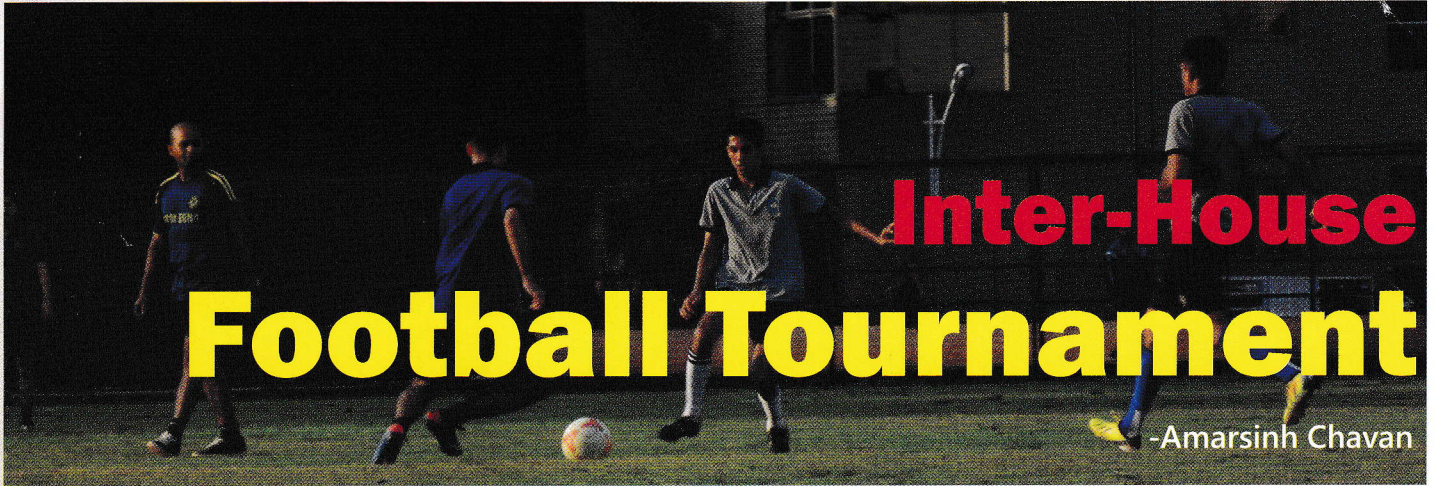
-Guna Abhinav

On 8th December, 2013, 600 students ran their guts out braving the cold weather for the Inter-house Cross Country Competition. The participants had to run a distance of 5 km within the stipulated time (30 min for boys and 35 min for girls). The race was flagged off by Capt. Razdan at 0630 hrs. Everyone ran with sheer determination to see to it that their respective houses take the top position. A lot of encouragement was given to the runners by the cadets who weren't participating. Cross Country has always been a major event of the TMI's sport calendar. Even the faculty members and their kids showed great interest.

The overall house positions were: 1. Morarjee 2. Mudaliar 3. Master 4. Cassim

The winners were:

Boys:	1. Vikas Ahlawat	2. Anjesh Joshi	3. Vishesh Parashar
Girls:	1. Sonali	2. Saumya Singh	3. Arushi Tyagi



The Institute's Football Tournament was organized from 6th September, 2013 to 17th September, 2013. Once again the players demonstrated that they have the capacity to take the event to a whole new level. Here in TMI, we saw champions in a class of their own- the Houses and their players, who grabbed the opportunity and scored goals for themselves as well as for their House Teams.

In pool 'A', Morarjee defeated Masters, beating the previous year's runner ups, 2-0, to win the most honored and awaited Football Tournament. From the first bounce the Morarjee's attacked with grim determination which left Master House flat-footed.



Skipper Cdt. Samanshu Minhas himself led the team from centre mid field. While in the group 'B' matches, Cassim house had an intense faceoff against the Mudaliar House, which resulted in penalty shoot-outs. Cassim house held their nerve till the end and clinched the title. Cdt. Samanshu Minhas, Captain of "Morarjee A" was announced as the player of the tournament with a gold medal. The overall standings of the tournament were as follows

1. Morarjee
2. Cassim
3. Mudaliar
4. Master

Table Tennis

-Aishwarya Chaurasia

It is said that a war can be waged on many fronts. One such battle was witnessed in TMI from 7th October, 2013 to 14th October, 2013. The Inter-house Table Tennis Championship competitors battled it out with fierce determination, vigour and a hunger for the ultimate prize.



Decisive shots and lightning aces were the highlights of the tournament. Individual prizes were awarded to the following-

Best Singles (Male)- Raunak Apte (Master)

Best Singles (Female)- Aishwarya Chaurasia (Mudaliar)

Best Doubles (Male)- Utkarsh Panwar ; Rishabh Bharadwaj (Cassim)

Overall rankings were as follows:

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



Inter-House Tug Of War Tournament

-Vinit Nair

One of the most exhilarating tournaments so far- the inter-house tug of war competition-was one where all the push-ups paid off. The two day event, held on the 26th and 27th of November saw the four houses compete with quite a lot at stake. Each house was allowed to put forth two teams – Team A and Team B. The highlight of the first day was the match between Morarjee (Team B) and Cassim (Team B) which was won by the latter. The second day saw matches between Morarjee and Master who fought for 3rd spot, while Cassim played against Mudaliar for the champions spot in the Team A category. The Team B category saw matches between Morarjee and Mudaliar for 3rd spot while Cassim played against Master for the champions spot. Hats-off to the supporters of the houses, whose cheers could be heard echoing throughout the campus. The chief guest for the event was Dr. S. Kanungo (PCME, Tolani Maritime Institute) who was impressed by the enthusiasm shown towards the event.

Overall House Standings : **First:** Cassim **Second:** Mudaliar
 Third: Master **Fourth:** Morarjee

Inter House Tennis Tournament

-Vinit Nair

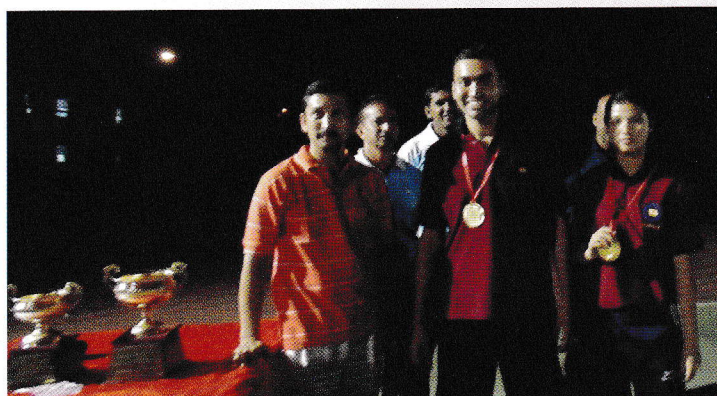


Photo:Mr. Kailas Mehendale bestowing the winners

The game of tennis is known for its unpredictability and ability to surprise. The scenario was no different here at TMI when the Inter-House Tennis tournament was held from 21st October, 2013 to 28th October, 2013. The Six day event witnessed a neck-to-neck competition between the four houses The tournament consisted of the following events: 2 Singles, 2 Doubles and 1 Mixed Doubles. The evening kicked off with matches between Cassim and Mudaliar, which was won by the latter and Morarjee who lost to Master. Morarjee then went on to play against Mudaliar in what proved to be a disappointing defeat for them. Against all odds, Cassim triumphed over Master who were the favourites to win the fixture.

The players demonstrated real panache and their effort didn't go unnoticed. Cdt. Aishwarya Chaurasia and Cdt. Sagar Dabral (Mudaliar) were named best players in the Mixed Doubles event. Cdt. Akshay Sathe and Cdt. Mudit Mohan Singh (Mudaliar) were named best players in the Doubles category. Cdt. Sarab Singh Randhawa (Master) was named best player in the Singles category.

Mr. Kailas Mehendale from the Electrical Department of the college was the Chief Guest for the event. The final was played between Cassim and Mudaliar while Master and Morarjee battled for 3rd place. The final standings were: **1.Mudaliar 2.Cassim 3.Master 4.Morarjee**



Global Maritime News Bulletin

Source: Internet

-Yashvardhan Singh

The marine world is ever expanding. Daily several events change its path, some lead it towards success while some help it to become better. The outcome however is a pleasant one. A seafarer must be aware of all the happenings of the global marine era to cope up with the advancing technology and incidents taking place in the sea. Maritimes brings you the latest and most recent news of the evolving marine era enabling you to understand the sea and waves in a better way.

1-NYK Receives 2013 Nikkei Global Environmental Technology Awards

Nippon Yusen Kaisha (NYK) has received the highest award at the 2013 Nikkei Global Environmental Technology Awards, which are organized by Nikkei Inc, for NYK Group's use of an energy-saving air-lubrication system for vessels. The system was developed with Oshima Shipbuilding Co. Ltd. and the Monohakobi Technology Institute, a NYK Group company. The award was established in 1991 and is mainly given for outstanding contributions to environmental preservation by researching actual environmental conditions and conducting environmental assessments. The awarded air-lubrication system effectively reduces CO2 emissions.



A system using the vessel's scavenging air was additionally developed and installed on a new coal carrier at Oshima Shipbuilding in 2012, thus demonstrating the viability of a system for large vessels having deep drafts.

The NYK Group will continue to develop an environmental approach that contributes to the betterment of the global environment and the achievement of a sustainable society.

2-Piracy at sea falls to lowest level in seven years, reports IMB

The International Chamber of Commerce's International Maritime Bureau (IMB) has revealed that piracy on the world's seas is at its lowest third-quarter level since 2006, but warned of the attacks off the East and West coasts of Africa. In the first nine months of 2013, IMB's global figures show pirates hijacked 10 vessels, fired at 17, and boarded 140. A further 21 attacks were thwarted. In total 266 crew were taken hostage and 34 kidnapped. One seafarer was killed, twenty were injured, and one is reported missing.



International Maritime Bureau

IMB Director Pottengal Mukundan urged caution: "Although the number of attacks is down overall, the threat of attacks remains, particularly in the waters off Somalia and in the Gulf of Guinea."

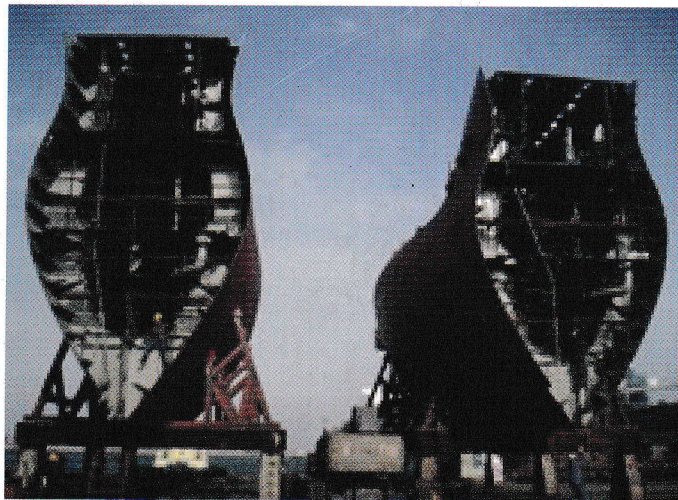
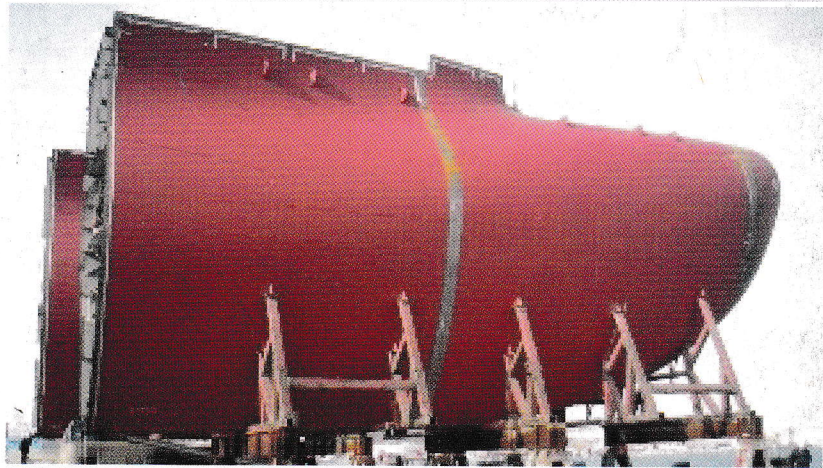
Attacks in seas around Somalia continued to fall dramatically, with just 10 incidents attributed to Somali pirates this year, down from 70 in the same nine months of 2012. IMB attributes this improvement to the actions of naval forces engaged in anti-piracy operations and the security systems in Somalia.

With fewer attacks off Somalia, attention has moved to the Gulf of Guinea and Indonesia (nearly all at anchor), a hotspot for violent piracy and ship hijacking for many years. Pirates, often heavily armed, are targeting vessels and their crews along the coast, rivers, anchorages, ports etc. IMB thus call for increased patrols, and warns ships to stay alert in these waters.

CAMPUS NEWS SERVER

3- The New Bulbous Bow

What sounds like plastic surgery will be carried out over the next year on 2 vessel classes, which will have their bulbous bows replaced in order to make them more fuel efficient. Five out of the seven ships in the Boston class are about to be chartered out and will operate at a lower speed than the one they were designed for. At such low speed, the current design of the bulbous bow is not optimal, and therefore it was decided to investigate if something could be done to improve the fuel economy of the ships.



MMT Naval Architecture to replace the entire bulbous bow (200 tons of steel) with one that is adjusted to the ships' actual speed profile. Thorough investigations followed and after Computational Fluid Dynamics (CFD) analysis, model tests and financial calculations, it was concluded that such an initiative was both feasible and attractive.

Hence Maersk Line decided to engage in this project both for 5 ships in the Boston class and for 5 ships in the Stepnica class. Here, the potential is somewhat lower (approx. 2% fuel savings) and while the Boston class has started "undergoing surgery" in November 2012, the Stepnica class will be converted in one go with other retrofit initiatives.

Editorial Team

Himanshu Sharma
Abhinandan Chandra
Abhinav Agastya
Ameya Mutatkar
Archie Gracias
Deep Ghatak
Pranav Gupta
Yashvardhan Singh
Amarsinh Chavan
Aishwarya Chaurasia
Atishay Sachdeva
Guna Abhinav
Jaideep Chaudhary
Sushant Rana
Vinit Nair

Graphics Team

Naman Kumar
Himanshu Iyer

Photo Credits

Aditya Chawla
Pankaj Kishlay
Monal Kumar
Pranav Arora

Special Thanks

Dr. Rajendra Prasad
Mr. Varun Patwardhan

Faculty Advisors

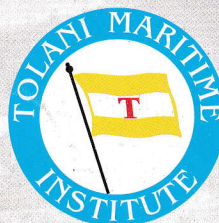
Mrs. Vandana Shinde
Mrs. Swati Bhise
Mrs. Puja Awachat
Mr. Wallace Jacob
Mr. Ganesh Ingle
Mr. Vinod Mangwani

Feedback

Do send your valuable feedback, comments and suggestions at :
Tolani Maritime Institute,
Induri, Talegaon-Dabhade,
Pune - 410-507
Phone: +91 2114 242016
Portal : www.tolani.edu
Email:
maritimes.tmi@gmail.com

Tolani Maritime Institute

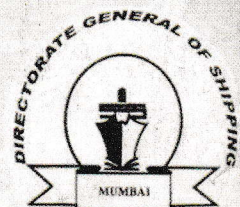
ISO 9001:2008 | CRISIL GRADE I (OUTSTANDING)



Attitude. Skill.
Knowledge.



Off Campus Centre of
BITS, Pilani



Approved by
DG Shipping,
Govt. of India