



INDIAN MARITIME UNIVERSITY

(A Central University under the Ministry of Shipping)

ANNUAL REPORT

2014-15

VISITOR

SHRI PRANAB MUKHERJEE

President of India

CHANCELLOR

Dr. V. KRISHNAMOORTHY

*{Former CMD, BHEL, former CMD, SAIL, former CMD, Maruti Udyog Ltd.,
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VICE CHANCELLOR

Shri K. Ashok Vardhan Shetty

(from 02.01.2014 onwards)

REGISTRAR

Shri C. Mohan (from 14.03.2014 onwards)

FINANCE OFFICER

Shri V. Palani (in-charge from 01.04.2014 to 28.08.2014)

Dr.G.Venkatesh (in-charge from 29.08.2014 onwards)

CONTROLLER OF EXAMINATIONS

G.Venguidesvarane (in-charge from 01.04.2014 up to 31.07.2014)

Shri.K.Saravanan (in-charge from 01.08.2014 to 30.11.2014)

Shri.K.Palani (in-charge from 01.12.2014 to 04.02.2015)

Shri.S.V.Durga Prasad (from 05.02.2015 onwards)

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INDIAN MARITIME UNIVERSITY

Annual Report 2014-15

1. INTRODUCTION:

1.1 IMU is a Teaching-cum-Affiliating University established by an Act of Parliament on 14th November 2008 to provide quality maritime education, training and research. It was created by merging 7 erstwhile Institutes:

1. Training Ship Chanakya, Mumbai;
2. Marine Engineering and Research Institute (MERI), Mumbai;
3. Marine Engineering and Research Institute (MERI), Kolkata;
4. Lal Bahadur Shastri Centre for Advanced Maritime Studies (LBSCAMSAR), Mumbai;
5. National Maritime Academy (NMA), Chennai;
6. Indian Institute of Port Management (IIPM), Kolkata; and
7. National Ship Design and Research Centre (NSDRC), Visakhapatnam.

Institutes no. 1 to 4 were Central Government Institutes whereas Institutes no. 5 to 7 were 'registered societies'.

1.2 Prior to 14.11.2008, Institutes no.1 to 3 were undergraduate colleges. T.S.Chanakya was affiliated to Mumbai University for the 3-year B.Sc (Nautical Science) course and to IGNOU for the 1-year Diploma in Nautical Science (DNS) course. MERI, Mumbai was affiliated to Mumbai University for the 3-year B.Sc (Maritime Science). It was also offering the 1-year Graduate Mechanical Engineers (GME) course for converting Mechanical Engineers into Marine Engineers. MERI, Kolkata was affiliated to Jadavpur University for the 4-year B.Tech (Marine Engineering) course. Institute no.4 was a training institution offering short-term Post-Sea training programmes to seafarers. Institutes no.5 and 6 were training institutions offering short-term programmes to Port officers. Institute no.7 was a research organisation.

1.3 Headquartered in Chennai, IMU now has 5 Regional Campuses at Chennai, Kolkata, Mumbai, Visakhapatnam and Cochin. The 3 erstwhile institutes in Mumbai became the Mumbai Campus; the 2 erstwhile institutes in Kolkata became the Kolkata Campus; the erstwhile National Maritime Academy became the Chennai Campus of IMU; and the erstwhile National Ship Design and Research Centre became the Visakhapatnam Campus of IMU. Post-November 2008, 3 new Campuses were set up in Cochin in 2009, Kandla Port in 2011 and Karaikal in January 2014. The Karaikal Campus and the Kandla Port Campus were closed in November 2014 and March 2015 respectively as they were not found to be viable.

2. OBJECTIVES OF THE UNIVERSITY

- (i) to facilitate and promote maritime studies, training, research and extension work with focus on emerging areas of studies like oceanography, maritime history, maritime laws, maritime security, search and rescue, transportation of dangerous cargo, environmental studies and other related fields and also to achieve excellence in these and connected fields and other matters connected therewith or incidental thereto.
- (ii) to promote advanced knowledge by providing institutional and research facilities in such branches of learning as it may deem fit and to make provisions for integrated courses in Science and other key and frontier areas of Technology and allied disciplines in the educational programmes of the University.
- (iii) to take appropriate measures for promoting innovations in teaching-learning process, inter-disciplinary studies and research; and to pay special attention to the promotion of educational and economic interests and welfare of the people of India.
- (iv) to promote freedom, secularism, equality and social justice as enshrined in the Constitution of India and to act as catalyst in socio-economic transformation by promoting basic attitudes and values of essence to national development and

- (v) to extend the benefits of knowledge and skills for development of individuals and society by associating the University closely with local, regional and national issues of development.

3. AUTHORITIES OF THE UNIVERSITY

- a) the Court
- b) the Executive Council
- c) the Finance Committee
- d) the Academic Council
- e) the Planning Board
- f) the Board of Affiliation and Recognition and
- g) the Boards of Schools.

4. ACADEMIC PROGRAMMES

4.1 A peculiarity of the Maritime Disciplines is that there were no P.G or Doctoral Programmes before IMU was established. In Marine Engineering, Nautical Science and Ship Building & Repair which cover 95% of IMU's students, there are still no P.G or Doctoral Programmes.

4.2 After the creation of IMU on 14.11.2008, the following courses are being offered by IMU:

U.G Courses:

- a) 4-year B.Tech (Marine Engineering) was started in Mumbai and Chennai Campuses.
- b) 4-year B.Tech (Naval Architecture & Ocean Engineering) was started in Visakhapatnam Campus.
- c) 3-year B.Sc (Nautical Science) was started in Chennai Campus.
- d) 3-year B.Sc (Ship building & Repair) was started in Cochin Campus.
- e) 1-year Diploma in Nautical Science (DNS) was started in Kolkata, Chennai, Cochin, Kandla Port and Karaikal Campuses.

P.G Courses:

- (a) 2-year M.Tech (Naval Architecture & Ocean Engineering) was started in Visakhapatnam Campus.
- (b) 2-year M.Tech (Dredging & Harbour Engineering) was started in Visakhapatnam Campus.
- (c) 2-year MBA (Port & Shipping Management) was started in Chennai and Cochin Campuses.
- (d) 2-year MBA (International Transportation & Logistics Management) was started in Chennai, Cochin and Kolkata Campuses.
- (e) 2-year L.L.M (Maritime Law) was started in Chennai Campus.
- (f) GME renamed as Post-graduate Diploma in Marine Engineering (PGDME) was started in Mumbai and Kochin Campuses.

Ph.D

Ph.D was started in Visakhapatnam Campus.

4.3 Five **School Boards** were created namely:

- a) School of Marine Engineering & Technology
- b) School of Nautical Studies
- c) School of Naval Architecture & Ocean Engineering
- d) School of Maritime Management
- e) School of Maritime Law

The L.L.M (Maritime Law) Programme was discontinued with effect from the Academic Year 2014-15 as it was found to be non-viable and the School of Maritime Law was also abolished.

5. ONLINE COMMON ENTRANCE TEST:

5.1 All admissions to IMU's U.G and P.G programmes are done through an All-India Common Entrance Test (CET) conducted every year. A pass in the CET is mandatory as per the Act for any student to get admitted to IMU, even in an Affiliated Institute. This is true of even the candidates for DNS sponsored by shipping companies.

5.2 Four CETs - one for all the U.G programmes put together another for the 2 MBA programmes a third for the 2 M.Tech programmes and a fourth for the L.L.M programme - are held on the same day, usually in May-June. A separate CET is being held for the February batch of DNS.

5.3 Previously, IMU's CET used to be conducted in pen-and-paper mode. But in 2014, in a major shift, IMU switched over to Computer based (Online) CET [on the pattern of UT-JEE, UM-CAT, JIPMER, AUMS, GRE, GMAT exams etc.] with the entire spectrum of activities right from the registration of applications to the payment of examination fee to the downloading of hall tickets to the conduct of the test and to the declaration of results being done online. During 2014, online registration of applications began on 18.04.2014 and concluded on 20.05.2014. About 10,000 candidates took IMU's CET on 14.06.2014. The results of the CET were published on 17.06.2014. While even the UTs and UMs had hiccups in their first year of online CETs, IMU's maiden venture went off smoothly without any glitch at any stage.

5.4 The Online CET for the sponsored candidates of DNS February 2015 batch was successfully conducted on 7.2.2015 in 15 major cities. 839 candidates had registered online for this CET. The results were published on 10.02.2015.

6. ONLINE COUNSELLING

6.1 While CET is mandatory, surrendering seats to IMU's Counselling by the Affiliated Institutes is voluntary as they are private, unaided colleges. This is as per

the Supreme Court judgment in the *T.M.A.Pai Foundation case* (2002). 17 Affiliated Institutes voluntarily surrendered seats to IMU's Counselling in 2014.

6.2 IMU decided to switch over to Online Counselling from 2014 onwards so that the candidates need not come from all over India to IMU Headquarters at Chennai physically for the Counselling. In the past, this had caused enormous hardship to candidates and had resulted in avoidable dropouts. Even from the angles of transportation and lodging, 6000-plus candidates descending on Chennai within five days was a logistical nightmare. The Affiliated Institutes used to put up stalls and solicit candidates before they entered the Counselling centre and this wasn't a pleasant sight to watch. Online Counselling has obviated all these problems. Candidates exercise their options online entirely on their own without being solicited or pressurised by anybody. They get more time to make up their minds about the Course/Institute that they would like to join and also to change their minds a couple of times before the last date is over. Online Counselling is fair and transparent and no Affiliated Institutes can have scope to complain of any bias in the Counselling process such complaints were very common in the past. Online Counselling reflects the true worth of the various institutes as seen through the eyes of candidates.

6.3 The following *Table* shows that Online Counselling in 2014 drew better response than physical Counselling in the past.

Table-1

Year	Number of Students who Attended IMU's Counselling
2011	1045
2012	956
2013	1076
'2014	1603

6.4 IMU's Online Counselling 2014 started on 10th July 2014 and concluded at 5 PM on 31st July 2014. The candidates who had passed IMU's CET 2014 for U.G programmes were required to choose online the Course(s) and also the IMU

campus(es)/Affiliated Institute(s) they would like to join. The allotment of admissions was made automatically by the software based on the candidate's (i) rank in CET, (ii) Community, (iii) Options for Courses-cum-Institutes and (iv) availability of seats. The candidate was required to first pay a Counselling Fee of Rs.10,000 (non-refundable) to IMU in the manner prescribed before he could choose his Course(s)/Institute(s) online. This ensured that the candidates who came for Online Counselling were serious candidates. The admission letters to candidates were generated online automatically and sent to them by email. Hard copies were also sent by speed post.

7. AFFILIATED INSTITUTES:

7.1 IMU is an affiliating university with 37 Affiliated Institutes as on 31.3.2015. The State-wise break-up is as follows:

Table-2

Tamil Nadu	11	Andhra Pradesh	1
Maharashtra	11	Andaman	1
New Delhi	3	Orissa	1
U.P	3	West Bengal	2
Kerala	2	Puducherry	2

7.2 The details of the various Affiliated Institutes are given below:

Table-3

SI. No.	Name of the College	Year of Affiliation	Name(s) of the Programme(s) offered
1	Anglo Eastern Maritime Academy, Mumbai	2009-10	DNS
2	Applied Research International, Delhi	2009-10	DNS
3	Aquatech Institute of Maritime Studies, Delhi	2009-10	DNS
4	B.P.Marine Academy, Mumbai	2009-10	DNS
5	CV.Raman College of Engineering, Bhubaneswar	2009-10	DNS
		2009-10	B.Tech (ME)

6	Centre for Maritime Education & Training, Lucknow	2011-12	DNS
7	College of Ship Technology, Cochin	2010-11	B.Sc (SBR)
8	Cosmopolitan Technology of Maritime, Chennai .	2010-11	DNS
9	Coimbatore Marine College, Coimbatore	2011-12	B.Tech (ME)
		2012-13	B.Sc (NS)
10	Dr. B.R. Ambedkar Institute of Technology, Port Blair.	2009-10	DNS
11	Euro Tech Maritime Academy, Cochin.	2009-10	DNS
		2013-14	B.Tech (ME)
12	G.K.M Institute of Marine Science & Technology, Chennai	2012-13	B.Sc (NS)
13	Great Eastern Institute of Maritime Studies, Mumbai	2009-10	DNS
14	Haldia Institute of Maritime Studies, Haldia .	2009-10	DNS
15	HIMT College, Chennai	2011-12	B.Tech (ME)
		2012-13	B.Sc (NS)
		2009-10	DNS
16	Hind Institute of Nautical Science & Engg, Noida.	2012-13	B.Sc (SBR)
17	International Maritime Institute, New Delhi .	2009-10	DNS
		2010-11	B.Tech (ME)
18	Mangalore Marine College, Mangalore .	2011-12	B.Tech (ME)
19	Marine Officers Training Academy, Pondicherry.	2011-12	DNS
20	Maritime Foundation, Chennai.	2009-10	DNS
21	MMTI'S Education Trust, Mumbai	2009-10	DNS
22	Park Maritime Academy, Coimbatore.	2010-11	B.Tech (ME)
23	Perunthalaivar Kamarajar Institute of Maritime Science & Engg., Chidambaram.	2010-11	DNS
24	RVS College of Maritime Science & Engg, Karaikal.	2011-12	DNS
25	Sailors Maritime Academy, Vizag	2009-10	DNS
26	Sairam Shipping Science College, Chennai	2011-12	DNS
27	Samundra Institute of Maritime Studies, Lonovola.	2009-10	DNS
		2010-11	B.Tech (ME)

28	Shipping Corporation of India (MTI)-Mumbai.	2009-10	DNS
29	Shipping Corporation of India (MTI)-Tuticorin .	2013-14	DNS
30	Southern Academy of Maritime Studies, Chennai.	2009-10	DNS
31	Sri Nandanam Maritime Academy, Tirupattur .	2009-10	B.Tech (ME)
32	Sriram Institute of Marine Studies, New Delhi.	2009-10	DNS
33	Tolani Maritime Institute, Pune	2009-10	DNS
34	Training Ship Rahaman, Mumbai	2009-10	DNS
35	Trident College of Maritime, Kolkata	2009-10	DNS
36	Vishwakarma Maritime Institute, Pune	2011-12	DNS
37	YAK Education Trust, Mumbai	2009-10	DNS

No new Institutes were granted affiliation during the year 2014-15.

8. TRENDS IN ADMISSIONS:

8.1 The details of admissions to IMU's Campuses and Affiliated Institutes from 2009-10 onwards are given in the Table below:

Table-4

2009-10		2010-11		2011-12		2012-13		2013-14		2014-15	
C	A	C	A	C	A	C	A	C	A	C	A
1361	2289	1222	2355	1353	2364	785	1928	982	1402	740	1198

C- IMU Campuses

A - IMU Affiliated Institutes

There has been almost 50% reduction in student admissions between 2009-10 and 2014-15. This is due to the prolonged recession/slowdown in the global shipping industry since 2009 which is yet to bottom out.

8.2 The Programme-wise details of admissions to IMU Campuses are given in the Table below:

Table-5

Programme-wise details of admissions to IMU Campuses-2014-15			
Sl.No	Programme	Sanctioned Strength	No. of Candidates Admitted
UG Programmes			
1	Diploma in Nautical Science Leading to B.Sc (Applied Nautical Science)	300	77
2	B.Sc (Nautical Science)	265	174
3	B.Sc (Maritime Science)	40	28
4	B.Sc (Ship Building & Repair)	40	17
5	B.Tech (Marine Engineering)	386	302
6	B.Tech (Naval Architecture & Ocean Engineering)	40	27
Total		1071	625
PG Programmes			
1	MBA (Port & Shipping Management)	60	19
2	MBA (International Transportation & Logistics Management)	90	32
3	L.L.M (Maritime Law)	20	0
4	M.Tech (Naval Architecture & Ocean Engineering)	20	4
5	M.Tech (Dredging & Harbour Engineering)	20	6
6	PG Diploma in Marine Engineering	160	57
Total		370	118
Grand Total		1441	743

9. Streamlining of University's Finances:

Till 2014-15, the fees and other charges collected by the various IMU Campuses were retained and spent by the Campuses themselves which was not good financial practice. The financially weaker Campuses used to request Headquarter for assistance. Further, there was no standardization of accounts maintained across the Campuses. IMU's finances were streamlined with effect *from 1.8.2014*:

- (i) by directing that all fees and other charges collected by the Campuses during the preceding week should be transferred to IMU Headquarters every Monday morning
- (ii) by arranging for the automatic release of the grants due to a Campus on the first day of every month without the Campus having to make a claim
- (iii) by prescribing a standardized set of 6 accounts to be maintained both in IMU Headquarters and the Campuses and by closing all other accounts
- (iv) by creating a Campus Development Fund in every Campus and a University Development Fund in the Headquarters.

The new system is working very well and enables better supervision and monitoring of Campus receipts and expenditure by IMU Headquarters.

10. ADMINISTRATIVE REFORMS:

A number of administrative reforms have been implemented including:

- (a) delineation of the powers of Transfer of Faculty and Non-Teaching Staff
- (b) development of guidelines for Deputation of IMU Staff to other organisations
- (c) creation of 66 Non-Teaching posts [over and above the 11 posts originally sanctioned] for IMU Headquarters out of IMU's own funds;
- (d) adoption of the correct system of communal roster for Faculty appointments
- (e) monthly meetings of Campus Directors, etc. for effective and transparent administration.
- (f) Performance Assessment Report (PAR) formats and instructions for the posts of Faculty, Campus Directors, Administrative Officers and subordinate officials of IMU.
- (g) A painstaking exercise of rationalising the legacy posts in the erstwhile 7 institutes that were merged to form IMU was done in February 2015. The 'Vanishing Posts' that should be allowed to lapse once the current incumbents superannuate or otherwise vacate the posts were identified.

11. PLAN FUNDS FOR THE PERIOD 2014-15 TO 2018-19.

11.1 The conversion of the 7 legacy institutes, which were training/research/undergraduate colleges, into a full-fledged University entailed the creation of University-specific teaching and non-teaching posts and of additional physical infrastructure like classrooms, seminar halls, workshops, laboratories, libraries, student hostels, administrative buildings, residential quarters among others and the related furniture and equipment. Part of the shortfall in physical infrastructure (for the existing courses) was made good under the Expenditure Finance Committee (EFC - I) Scheme for the period from 2009-10 to 2013-14 under which a sum of Rs.256.43 crores was released before 31.3.2014. But there are still large gaps in physical infrastructure, especially with regard to workshops and laboratories which need to conform to the *International Convention on Standards of Training, Certification and Watch-keeping for Seafarers* (called STCW norms). Hence, a proposal for sanction of Plan funds for Rs.294.19 Crores for the period from 2014-15 to 2018-19 was sent to Ministry of Shipping and the same was sanctioned on 19.02.2015.

11.2 The Campus-wise break-up is as follows:

Table-6

Particulars	Total
	(Rs. in crore)
IMU Headquarters	29
Chennai Campus	37.65
Mumbai Campus	81.05
Kolkata Campus	61.34
Visakhapatnam Campus	64.3
Kochin Campus	20.85
Total	294.19

11.3 The Year-wise break-up is as follows: .1

Table-7

Year	2014-15	2015-16	2016-17	2017-18	2018-19	Total
Plan Fund	22.39	107.13	99.68	58.10	6.90	294.19

11.4 The Item-wise break-up is as follows:

Table-8

Sl. No	Particulars	Amount (Rupees in Crore)
1	Works	
	a) Hostels	60.39
	b) Classrooms	55.88
	c) Workshops & Labs	21.73
	d) Others	26.60
	Total (Works)	164.60
2	Equipment for Labs & Workshops	100.55
3	IT Hardware & Software	16.50
4	Library	12.54
	Total (1+2+3+4)	294.19

12. NON-PLAN FUNDS FOR THE PERIOD 2014-15 TO 2018-19.

12.1 Under the Expenditure Finance Committee-I (EFC - I) [covering the period 2009-10 to 2013-14], IMU had been sanctioned only Rs.6.92 crores as Non-Plan Funds. It was expected that IMU would be self-reliant and that the fees would be revised @ 20% every two years. Unfortunately, IMU was created at a time when the shipping industry was entering into a prolonged global recession/slowdown leading to contraction of the job market and declining student intake and the proposed fee revision didn't materialise. In the absence of Non-Plan funding, IMU

had fixed very high fees causing hardship to students, especially those who were from socially and economically disadvantaged backgrounds. Further, without adequate Non-Plan funding, IMU had not been able to engage the full complement of quality teaching and non-teaching staff which adversely affected IMU's image and student intake. Further, when all other Central Universities, IITs and NITs were being sanctioned Non-Plan Funds liberally, denying the same to a fledgling university like IMU was unfair. Therefore, a strong bid for sanction of Non-Plan funds for IMU at least for the period from 2014-15 to 2018-19 was made by the Vice Chancellor as well as the Finance Committee and the Executive Council.

12.2 IMU submitted a Non-Plan funding proposal for Rs.197.17 crores for the period from 2014-15 to 2018-19. During 2014-15, the Ministry of Shipping had released Non-Plan support of Rs.33.50 crores to IMU to overcome the pressing financial problem. Sanction for Non-Plan funds at Rs.40 crores per year for the 4 years from 2015-16 to 2018-19 was obtained from Department of Expenditure, Government of India in May 2015. This has solved one of IMU's most pressing problems since inadequate sanction of Non-Plan funds was the main reason why IMU was perceived as a non-starter in its first 5 years.

13. RATIONALIZATION OF AFFILIATION FEE

13.1 The first Vice Chancellor and Registrar of IMU had committed 2 mistakes in the grant of affiliation:

- (i) they proposed affiliation fees that were almost 20 times higher (in cumulative effect) than what are levied by other comparable universities and what is prescribed by U.G.C.
- (ii) they issued letters of affiliation to 42 affiliated institutes (6 of whom left IMU later) without collecting the affiliation fees upfront.

13.2 The Affiliated Institutes had refused to pay stating that the fees were too high and should be reduced. Till 31.3.2014, not one rupee had been collected and the arrears had accumulated to nearly Rs.23 crores. But the Affiliated Institutes also

could not get affiliation for any new programmes nor get increased sanctioned strength for existing programmes. Cancelling the affiliations would have resulted in messy court cases involving all 37 Affiliated Institutes and affected students. It might also have led to an exodus of the Affiliated Institutes to other universities seeking affiliation because IMU doesn't have a monopoly and the affiliation fees of other universities were nearly 20 times less. In short, there was a gridlock.

13.3 IMU's Affiliation Fees were rationalized in 2014 with the approval of the Academic Council, the Finance Committee and the Executive Council and after obtaining legal opinion from former CJI of Supreme Court Shri V.N. Khare. A sum of Rs. 1.60 crores has been collected as affiliation fees from 34 affiliated institutes. A sum of Rs.24 lakhs is due from 8 institutes out of which 6 are no longer with IMU. This problem which had seemed intractable at one point of time has been resolved satisfactorily.

14. 7TH FOUNDATION DAY

Till 2013, the date of creation of IMU - 14th November :...: was being celebrated in the individual Campuses under the name of 'University Day'. The event was renamed as 'Foundation Day' and a function common to all Campuses was held at the University Headquarters at Chennai on 14-11-2014. This was preceded by an Inter-Campus Cultural Competition in which students of all Campuses participated. Eminent Doctor and Educationist, Dr. B.M.Hegde, recipient of Padma Bhushan and Dr B.C. Roy Awards was the Chief Guest for the 7th Foundation Day Celebrations.

15. OTHER DEVELOPMENTS:

15.1 Since most of the Ordinances framed earlier, especially with regard to Recruitment Rules for the various categories of the posts, were found to be defective they were amended/framed afresh. 11 Administrative Ordinances and 7 Academic Ordinances were framed afresh.

15.2 The long-drawn High Court battle over the wholesale termination of the 31 Faculty members appointed during Dr.G.Raghuram's (IMU's second VC) time was expedited and the judgment delivered on 5.1.2015. 8 Faculty members were re-admitted to IMU and IMU has gone on appeal to the Division Bench in 7 cases.

15.3 Dr. P. Vijayan, former Director of IMU Chennai Campus, was placed under suspension on 31.10.2014 in view of the charge sheet filed against him for corruption and possession of disproportionate assets before a CBI Court in Chennai. The trial is going on. Several other grave irregularities committed by him (including a false claim in his application for VC that he was a Professor when he had never held any post higher than an Associate Professor) have surfaced, and RDA for major penalty have been initiated.

15.4 In order to provide opportunities for 111aritime education and employment, seats have been reserved in UG Courses in IMU Campuses for candidates native to or domiciled for at least 5 years in Andaman & Nicobar Islands (20 seats), Lakshadweep & Minicoy Islands (10 seats), the 8 North Eastern States (40 seats) and Jammu & Kashmir (10 seats).

15.5 A monthly *Maritime Lecture Series* has been introduced since January 2015 in which eminent personalities from the maritime industry are invited to deliver lectures on relevant topics to IMU's students.

15.6 A policy on *Endowments* has been framed to attract donations for Orations, Awards and Scholarships from IMU's alumni or the industry.



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Honourable Union Minister for Road Transport, Highways and Shipping Shri Nitin Gadkari and Honourable Union Minister for State for Shipping Shri Pon. Radha Krishnan, reviewed IMU on 04-11-2014.



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Dr. B.M.Hegde, recipient of Padma Bhushan and Dr B.C. Roy Awards was the Chief Guest for the 7th Foundation Day Celebrations held on 14-11-2014



Dr. Vishwapati Trivedi, IAS (Retd), Chairman, National Shipping Board, delivering lecture in Monthly Maritime Lecture Series on 27-02-2015.

IMU HEADQUARTERS - NEW BUILDINGS



Administrative Block, Library and Auditorium Block



Men's Hostel



Administrative Block



Academic Block



Women's Hostel



Power Plant Station

IMU CAMPUSES



Mumbai



Chennai



Kolkata



Visakhapatnam



Cochin

Activities of IMU Campuses

16. IMU, MUMBAI CAMPUS

16.1 Indian Maritime University, Mumbai Campus with Head Office at Nerul, Navi Mumbai, consisting three Institutes, namely, Training Ship Chanakya, LBS College of Advanced Maritime Studies & Research, Mumbai & Marine Engineering & Research Institute, Mumbai, situated at two locations with Head Office at Karave, Nerul, Navi Mumbai. The location at South Mumbai houses the LBS College of Advanced Maritime Studies & Research, Mumbai & Marine Engineering & Research Institute, Mumbai, while location at Nerul, along the picturesque Palm Beach Road, Navi Mumbai houses Training Ship Chanakya & Headquarters of Mumbai Campus. LBS College is the post-sea training Institute whereas T.S. Chanakya and MERI Mumbai are pre-sea training institutes.

16.2 Academic Program & Student Strength

(a) (Erstwhile) T.S. Chanakya

T.S Chanakya conducts two streams of fully resident courses:-

Table-9

SI.No.	Name of the Courses	Intake Capacity	Strength
i)	Three year B.Sc. (Nautical Science) Degree Course	185	1st Year - 133 2nd Year - 133 3rd Year - 21
ii)	One year Diploma Course in Nautical Science, leading to B.Sc (Nautical Science)	August - 80	34

The following modular courses are also conducted in the campus complying with the requirements of DG Shipping:

Table-10

S. No.	Courses	Duration	Strength (2014-15)
i)	Advanced Fire Fighting	1 Week	524
ii)	GMDSS	2 Weeks	92
iii)	FPPF & FPPF Refresher	3 Days	205 & 52
iv)	AFF Refresher	1 Day	753
	AFF & FPPF Refresher	1 Day	67

(b) Erstwhile Marine Engineering & Research Institute (MERI) Mumbai

The Institute offers three well balanced fully residential courses, which have been designed by experts in the field of Maritime training. These Courses are

Table-11

S.No.	Name of the Courses	Intake Capacity	Strength
i)	One year Pre-sea Graduate Diploma in Mechanical Engineers (PGDME)	120	54
ii)	Three Years B.Sc.(M arit im e Science)	40	1st Year - 14 2nd Year - 31 3rd Year - 21
iii)	Four Year B.Tech (Marine Engineering)	40	1st Year - 58 2nd Year - 28 3rd Year - 35

Besides the above, three long term courses, the Institute conducts four basic STCW Modular Courses, namely PST, PSSR, FPFF & EFA for in house students.

The Institute also conducts awareness course on recruitment & placement rules 2006 for in-house students as well as for outside candidates.

New Course offered/Proposed - M.Tech (Marine Engineering)

(c) Erstwhile LBS College of Advanced Maritime Studies & Research, Mumbai

The Institute offers 47 post-sea courses for Nautical & Marine Engineering discipline which includes:

- Certificate of Competency Courses
- Simulator Courses
- Non-simulator Modular Courses

16.3 Courses offered at (Erstwhile) LBS CAMSAR from 1st April, 2014 to 31st March 2015:

Table-12

S.No.	Name of the Course	Strength (2014-15)
1	Radar Obs. Course (ROC)	15
2	ARPA	15
3	RADAR, ARPA & NAV Simulator (RANSCO)	16
4	Liquid Cargo Handling Simulator (LCHS) (Operational level)	03
5	Liquid Cargo Handling Simulator (LCHS) (Management level)	06
6	GMDSS	12
7	Engine Room Simulator Class IV (ERS-IV)	15
8	Engine Room Simulator Class-IV (ERS-11)	15
9	Diesel Engine Combustion Gas Monitor Simulator Course (DEGM-1)	08
10	Refresher Training for Proficiency in Survival Craft & Rescue Boat	24
11	P.S.C.R.B	24
12	TASCO	24
13	CHEMCO	24
14	GASCO	24
15	Medical Care	24
16	Ship Security Officer (SSO)	24
17	Company Security Officer (CSO)	24
18	Port Facility Security Officer (PFSO)	24
19	Security Training for Seafarers with Designated Security Duties (STSDSD)	20
20	Refresher & Updating Training (Upgradation) for Deck Officers	40
21	Refresher & updating training (upgradation) for deck officers (operational level, management level Phase-I & Phase-II)	40
22	Refresher & updating training (upgradation) for deck officers (operational level, management level Phase-I & Phase II)	
23	Refresher & updating training (upgradation) for Engineer Officers (OPERATIONAL LEVEL)	40
24	Refresher & Updating Training (N&E)	40
25	Refresher & Updating Training (upgradation) for Engineer Officers (MANAGEMENT LEVEL)	40
26	Indian Maritime Legislation	40
27	ASM (Foreign Going)	40
28	Chief Mate Phase-II (Foreign Going)	40
29	Chief Mate Phase - I (Foreign Going)	40
30	Chief Mate Phase-I (Near Coastal Voyage)	40

31	Chief Mate Phase-II (Near Coastal Voyage)	40
32	Master ASM (Near Coastal Voyage)	40
33	Second Mate (FG)	40
34	NWKO (Near Coastal Voyage)	40
35	Second Mate Foundation	40
36	Marine Engineer Officer Class I	40
37	Marine Engineer Officer Class II	40
38	Marine Engineer Officer Class -IV (NCV)	40

16.4 New courses offered:

Table-13

S.No	New Courses offered	DGS approval No.	Duration	Frequency in a year	Strength
1	Refresher Training for proficiency in survival craft & rescue boat	TA/A/45/2013	4.5hrs	52	24
		TR/A/8/2014	4.Shrs	120	24
2	Security Training for seafarers with designated Security duties	TA/A/98/2013	2 Days	72	20
3	Global Maritime Distress Safety System (GMDSS)	TR/A/34/2012	12 days	12	12
4	Refreshing & updating Training (upgradation) for Engineer Officers (Operational level)	TA/A/52/2012	06 days	12	40
5	Refreshing & updating training (upgradation) for Engineer Officers (Management level)	TA/A/53/2012	11 days	12	40

Faculty per Department (Permanent, Contract & Visiting)

(a) Erstwhile T.S. Chanakya

Table-14

Sl. No	Discipline	Permanent	Special Visiting Faculty	Visiting	Outsourcing
1	Nautical	01	04	12	-
2	Marine Engineering	01	02	01	-
3	Radio Communication	-	02	-	-
4	Academic	03	01	15	-
5	Instructor/Warden	02	-	-	10

IMU Contract Faculty

1. Nautical Faculty 01
2. Engineering Faculty Nil

(b) (Erstwhile) Marine Engineering & Research Institute (MERI), Mumbai

Table-15

Sl. No	Discipline	Permanent	Special Visiting Faculty	Visiting	Outsourcing
1	Nautical	-	01	02	-
2	Marine Engineering	-	02	06	-
3	Radio Communication	-	-	-	-
4	Academic	-	01	02	-
5	Instructor/Warden	01	-	02	02

IMU - Contract Faculty

1. Marine Engineer 01
2. Electrical Engineer 01

c) (Erstwhile) LBS College of Advanced Maritime Studies & Research

Table-16

S.No	Discipline	Permanent	Special Visiting Faculty	Visiting	Outsourcing
1	Nautical	02	10	09	-
2	Marine Engineering	-	08	11	-
3	Radio Communication	-	02	-	-
4	Academic	01	02	-	-
	Instructor/Warden	02	01	-	-

16.S Works taken up by the campus for upgradation and strengthening the campus infrastructure, equipment and simulators:

a) Erstwhile T.S. Chanakya, Navi Mumbai

- i) Construction of ECDIS Simulator room and purchase of ECDIS simulator
 - ii) Reovelopment of Administrative Building
 - iii) Plans afoot for procure a 10000 KW old marine diesel engine with accessories for providing hands on experience/training for cadets.
- b) (Erstwhile) Marine Engineering & Research Institute (MERI), Mumbai
- i) CCTV cameras installed
 - ii) Additional Internet connections are provided in hostels for benefit of cadets after college hours
 - iii) Good number of new books added in the library reference section
 - iv) New classroom furniture.
- c) Erstwhile LBS College of Advanced Maritime Studies & Research
- i) CCTV cameras installed
 - ii) Repair of ground floor of college building under progress
 - iii) ECDIS Simulator to be functional soon.

16.6 Training done by Officers and cadets/students, research paper writing, seminars symposium etc.

- a) Erstwhile T.S. Chanakya, Navi Mumbai
- i) Training of faculty for ECDIS simulator
 - ii) Capt. S.B. Sinha, Nautical Officer, participated as delegate of Nautical faculty from 11th - 13th Dec 2014 at INMARCO-INAvation 2014.
- b) Erstwhile Marine Engineering & Research Institute (MERI) Mumbai
- i) MERI cadets have won several prizes in Technical Paper Competitions and participated in Technical Exhibitions conducted by Shipping Industry.
 - ii) 3rd Yr B.Tech cadets attended one month external marine workshop training at IND.

- c) Erstwhile LBS College of Advanced Maritime Studies & Research
 - i) Participation as delegate of Engineer faculty Shri Iqbal Khatib, 11th_13th Dec 2014 at INMARCO-INAvation 2014.
 - ii) Training of faculty for ECDIS simulator.

16.7 Extracurricular Activities, events, prize winning at seminars, sports

- a) T.S. Chanakya, Navi Mumbai
 - i) Annual Sports Day, 2nd May 2014, Chief Guest - President, DRACEA Capt. S.S. Jairam
 - ii) Guard of Honour presented by cadets to Chief Guest Mr. Geoffrey Van Leeuwen, Consul General of Netherlands on World Maritime Day, 25th September 2014
 - iii) Guard of Honour presented by cadets to Chief Guest Chief of Naval Staff Admiral R.K. Dhawan at IN MARCO, 11th December 2014.

- b) Marine Engineering & Research Institute (MERI) Mumbai
 - i) Technical Paper Presentation by Castrol
 - ii) Motivation Programme organised for MERI cadets
 - iii) Cadets participated in Techfest of Tolani Maritime Academy, Pune
 - iv) Cadets participated in IMU Day function at Chennai Sports Day
 - v) National Maritime Day celebrations
 - vi) Swachh Bharat campaign participation across all campus on 2nd October, 2014.

- c) LBS College of Advanced Maritime Studies & Research
 - i) Participation of candidates in celebrating IMU Day Function in LBSCAMSAR on 14th Nov 2014
 - ii) Participation of faculty as judges for Technical Paper Presentation (Sept 2014)
 - iii) Management Review Meeting 5th August, 2014 chaired by Director

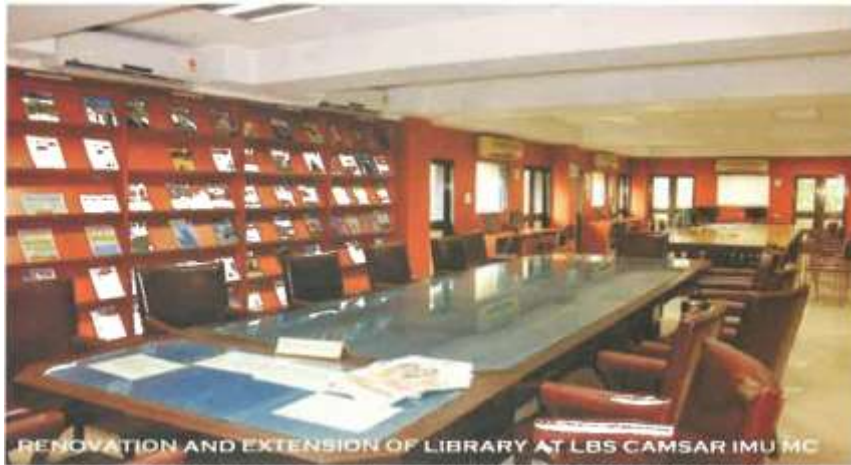
16.8 Visits of the campus by the Important Dignitaries

- a) Erstwhile T.S. Chanakya, Navi Mumbai
 - i) Ms. Mira Kumar, Special Advisor to Finance Ministry visited
 - ii) Technical committee of INMARCO - INNAvation 2014 met on 16th June, 2014

- b) Erstwhile Marine Engineering & Research Institute (MERI) Mumbai
 - i) Mr. Debashish Majumdar, Head of UK Maritime Authority visited.

- c) Erstwhile LBS College of Advanced Maritime Studies & Research

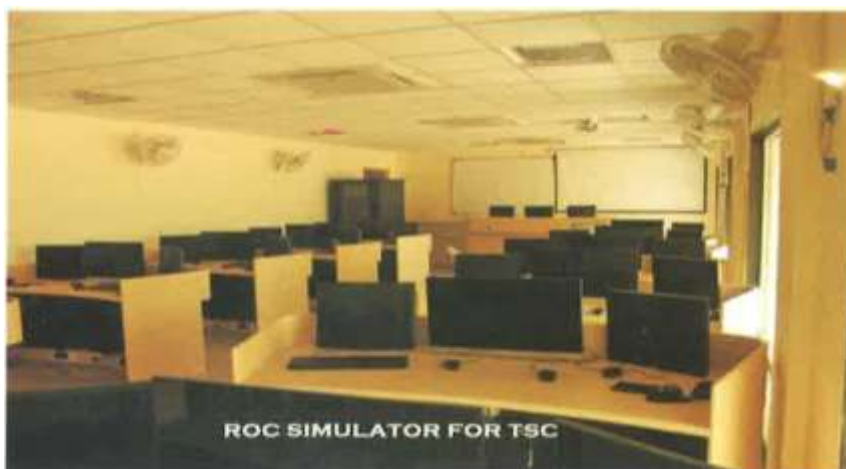
Interactive Session with Director General of Shipping Shri Gautam Chatterjee, Vice Chancellor Shri Ashok K. Vardhan Shetty and other dignitaries of the Shipping Industry at LBSCAMSAR on 7th July 2014.



LIBRARY



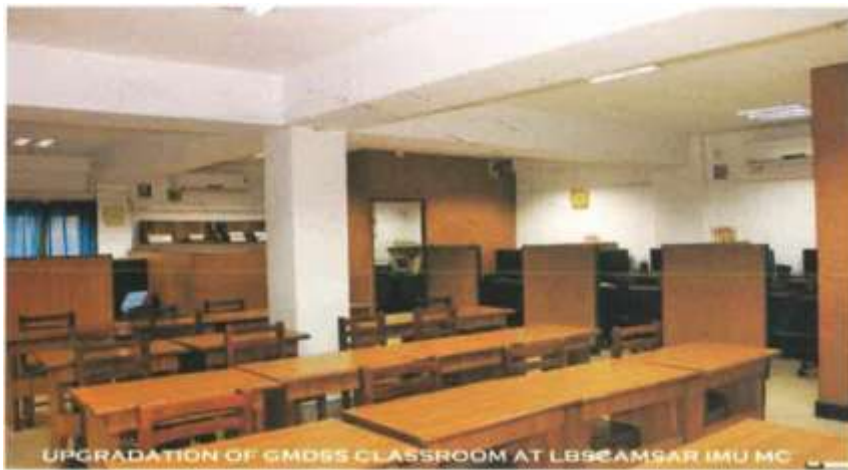
ECDIS simulator room



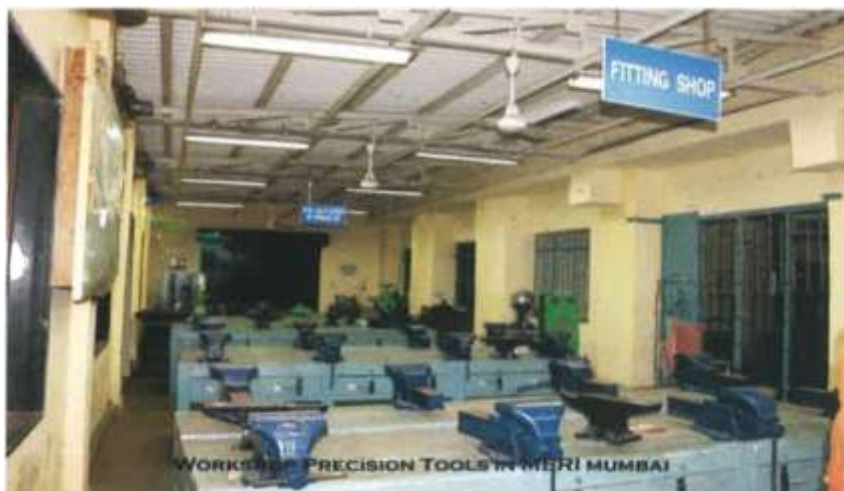
ROC Simulator



Renovated Old Hostel



GMDSS Class Room



Workshop

17. IMU.CHENNAICAMPUS

17.1 The National Maritime Academy (NMA), formerly known as National Institute of Port Management (NIPM), became the Chennai Campus of Indian Maritime University. The IMU Chennai Campus (IMU CC) offers the following courses:

- a) One- year Diploma in Nautical science course leading to B.Sc (Applied Nautical Science)
- b) Three - Year B.Sc (Nautical Science)
- c) Four - year B. Tech (Marine Engineering)
- d) Two-year MBA (Port and Shipping Management)
- e) Two-year MBA (International Transportation & Logistics Management)

Apart from the above, the Chennai Campus offers short term training programmes for merchant navy personnel, both for the Nautical and Engineering Departments and for officials of major ports, Maritime Boards, non-major ports and organizations connected with transport trade.

17.2 Academic Progress & Students Admission

Table-17

Sl. No.	Name of the Course	I Year	II Year	III Year	IV Year	Total
01.	B.Sc	40	69	56	-	165
02	B. Tech	57	73	45	79	254
03.	DNS	22	-	-	-	22
04	MBA	31	45	-	-	76
	Total					517

- a) More than 70% of the MBA students were placed through Campus placement.

- b) 13 Students of B.Tech (ME), 2011-15 batch; were placed in shipping companies through Campus Interviews and sent on ships for their 6 months onboard training during their 5th semester.
- c) As part of the academic programme, industrial visits were organized for MBA students to Chennai Port Trust in October-2014 and New Mangalore Port Trust in January-2015.
- d) Dr A. Mourougane, Head and students of School of Maritime Management participated in a Seminar, organized by National Maritime Foundation & Confederation of Indian Industry (CII) at Hilton Hotel in October-2014.
- e) Ms. Lekha K C Ravi, Assistant professor, SMM, submitted and presented a paper titled "PPP in Indian port sector-Prospects and challenges" at an International conference conducted by AMET in February-2015. Paper was published in their conference proceedings titled ENCORE 2015-(JSBN 978-81-926045-2-7)
- f) Ms. Lekha KC Ravi Assistant Professor was invited as a panelist by Christ School of Business, Christ University, Bangalore to judge Case studies presented by Faculty at COGNOSCO 2014, a National level Case workshop in August-2014. She delivered a talk on 'Case writing'.
- g) Dr Emil Mathew, Assistant Professor, presented a paper titled "Containerisation in Ports in India" in Encore 2015, an International Research Conference on Global Maritime Developments held in February-2015 organised by AMET Business School, Chennai.
- h) Dr Emil Mathew, Assistant Professor, Published a paper titled "Containerisation in Ports in India", in the Conference proceedings of Encore 2015 (ISBN No. 978-81-926045-2-7), an International Research Conference on Global Maritime Developments organised by AMET Business School.

17.3 Works taken and completed

- a) Setting up of a separate dedicated Navigation Lab.
- b) Completion of civil works for setting up of Applied Mechanics Lab and Fluid & Mechanics Lab. Equipment for these labs were installed and labs commissioned.
- c) Construction of Open Air Theatre for IMU Chennai Campus.
- d) Providing steel gate and pillars for old and new play fields and open air theatre area.
- e) Raising of compound wall and replacement of broken compound wall.
- f) Filling of red earth in the old play field.

17.4 Training & Research activities

- a) A course titled infrastructure & Regulations was organized for the officers of the IES at Cochin in Oct 2014 and at Chennai in November-2014. Guest lectures representing different social sectors were invited to address the participants.
- b) A consultancy assignment titled "Updating of Rules and Regulations and Recruitment Rules of KPT and compilation of GAD" was taken up for Kandla Port Trust. Report submitted during the period under review.
- c) Visit to Ships at Chennai Port Trust was conducted in February-2015 for the cadets.
- d) MOU was signed with Cochin University of Science And Technology (CUSAT) - KMSME, Cochin for Ship-in-Campus Training of 1st Semester B.Tech (ME) students. Ship-in-Campus training for 1st semester B.Tech Marine Engineering (2011 - 2015 batch) students commenced in February 2015 at CUSAT-KMSME, Cochin.

17.5 Sports & Extra-curricular activities and prizes won by the students

- a) A two-day National Level Seminar & Management Fest titled "Estuary 14" was conducted in April 2014. Guest Lecturers were invited to address the students on contemporary issues. The students had an opportunity to interact with industry representatives.
- b) A student of School of Maritime Management participated in singing competition in the Cultural Festival organized at IIT Guwahati in Jan 2015
- c) Basic Parade Training was imparted to all cadets. Independence Day and Republic Days were celebrated with Flag Hoisting ceremony along with March Past by the cadets.
- d) Hindi Fortnight was celebrated in September 2014.
- e) Cadets took part in various competitions held at VIT Vellore, IIT Kanpur, IIT Kharagpur, AMET University and HIMT.
- f) Cadets organized various events for the faculty on 05th September 2014 as part of Teachers Day celebrations.
- g) University Foundation Day was celebrated on 14 November 2014 with cultural programs and Lecture by Dr. B M Hegde, Former Vice Chancellor of Manipal University. IMU Chennai Campus was awarded the runners up Trophy.
- h) All officers, staff members and students actively participated in activities held towards Swachh Bharath Campaign commenced on 2nd October 2014 onwards.
- i) All Officers, Staff members and Students participated in International Coastal Cleanup. The stretch between Uthandi and Kanathur was cleaned up.
- j) B.Sc Nautical Student was awarded 2nd prize by Hon'ble Governor of Tamil Nadu for paper presentation on the occasion of thousand years

commemoration of King Rajendra Chola of Chola's Dynasty in October **2014.**

- k) Two B.Tech Students of Chennai Campus participated in TRANSTECH-15 conducted by TOLANI Maritime Institute in February 2015 and won consolation prize.
- l) Six B.Tech & B.Sc Students of Chennai Campus participated in SAMUNDRAMANTHAN -15 organised by IIT Karagpur in March 2015 and won 2nd prize in the event "counter torque".
- m) B.Tech & B.Sc Students of Chennai Campus participated in MAERSK Challenge organized by MAERSK Lines.
- n) B.Tech & B.Sc Students of Chennai Campus participated in National Maritime Day Celebration in March 2015, conducted by IMEi and won 1st prize.
- o) B.Tech & B.Sc Students of Chennai Campus participated in National Maritime Day Celebration in March 2015 conducted by AMET and won 1st & 2nd prizes in Essay writing & Drawing competitions respectively.
- p) Swimming competition conducted by AMET (AMETUNISPO) in the month of March 2015, 20 students of IMU Chennai Campus participated and won various prizes.
- q) Inter Collegiate Training Programme for NCC Cadets was organized.

17.6 Visit of the Dignitaries

- a) Shri KS Padmanabhan, General Manager, Elegant Marine Services, visited the facility and placement of our students.
- b) Capt Sanjay Prashar, Managing Director, V R Maritime Services Pvt Ltd., visited the facility and placement of our students.

- c) Dr L R Chary, former Executive Director, Shipping Corporation of India delivered lecture in Monthly Maritime Lecture series in January 2015
- d) Dr Vishwapati Trivedi, IAS (Retd), Chairman National Shipping Board, delivered lecture in Monthly Maritime Lecture series in February 2015.



Engineering Lab



New Marine Hostel



Electrical Lab



Marine Workshop



Canteen Block



Sewage Treatment Plant

18. KOLKATA CAMPUS

18.1 ACADEMIC PROGRESS AND STUDENT ADMISSION

I) Courses offered (MERI Unit):

- a. B.Tech Marine Engineering
- b. DNS (Diploma in Nautical Science leading to B.Sc Nautical Science)
- c. MEO Class-I preparatory course.
- d. 550 (Ship Security Officer Course.
- e. 550 Refresher Course
- f. Security training for Seafarers with Designated Security Duty. (STSDSD)
- g. STCW Courses for our cadets.

II) Student Intake

Table-18

B. Tech Marine Engineering (Actual strength)

Sl. No.	Year of entry	Student Details						
		General	OBC	SC	ST	Girl Cadet	PH	Total
1	2014	114	60	26	11	02	Nil	211
2	2013	152	62	20	06	03	Nil	240
3	2012	59	42	18	07	Nil	Nil	126
4	2011	111	65	35	16	03	Nil	227

Table-19

Diploma in Nautical Science (Actual strength)

Sl.No.	Year of entry	Student Details						
		General	OBC	SC	ST	Girl Cadet	PH	Total
1	August 2014	10	02	01	01	01	Nil	14
2	August 2013	10	11	01	Nil	Nil	Nil	22

III) Courses offered (11PM Unit):

- a) MBA in International Transportation & Logistics (2 Years)
- b) Management Development Programme in Port Management, Logistic, Finance, Information Technology, Project Management & Environment, ISO etc.
- c) STCW Modular Courses in collaboration with FOSMA, Mumbai

IV) Programme conducted by 11PM

Table-20

Financial Year	MBA in International Transportation & Logistics	Management Development Programme		Post sea courses in collaboration with FMIRO	
	Students (Intake)	No. of Prog.	No. of Participants	No. of Prog.	No. of Participants
2014-15	06	39	395	630	8016

V) Academic Progress

- i) 2009 entry B.Tech Marine Engineering batch passed out in academic year 2013-14:

No of students appeared	201
No of students passed out in first attempt	152
Percentage of passing in first attempt	

- ii) 2010 entry B.Tech Marine Engineering batch passed out in academic year 2014-15:

No of students appeared	192
No of students passed out in first attempt	144
Percentage of passing in first attempt	75%

iii) Percentage of passing out in other year i.e 1st, 2nd and 3rd year B.Tech Marine Engineering during 2014-2015:

)^{'''} 1st year - 73.08 %

)^{'''} 2nd year - 69%^o

)^{'''} 3rd Year - 70%^o

iv) Percentage of passing of DNS cadets in academic year 2014-15

)^{'''} No of students appeared 14

)^{'''} No of students passed out in first attempt 12

)^{'''} Percentage of passing in first attempt 85%^o

18.2. Training and Research Consultations:

a) Ten number of Assistants of Andaman Lakshadweep Harbour Works, Port Blair were imparted two Weeks training program on " Administration, Establishment and Accounts" which they need to be undergo to be promoted to the Post of Assistant Administrative Officer

b) Seven numbers of Asst. Shed masters of Port management Board, Andaman & Nicobar Administration were provided with 21 days training program on "Port Planning and Development" which as per their Recruitment Rule, is an essential criteria to be promoted to the post of Superintendent (Wharf)

c) Selection Test for the post of Assistant Executive Engineer (Civil), Assistant Estate Manager, Junior Engineer (Civil) Time Keeper and Traffic Outdoor Clerk have been conducted on behalf of Kandla Port Trust.

18.3 Sports and Extracurricular activities and prizes won by the students.

Indian Maritime University - Kolkata Campus has numerous sports activities during the past year. The Cadets have been very active in their participation during Inter College Competitions and have also actively conducted and participated in such within the Campus.

The progress for the Sports Competition within the Campus largely "Inter - Sadan" and "Inter-year" are as follows :

- a) Inter year Volleyball Tournament - during August-2014 won by the batch 2nd year (2013 Entry).
- b) Chakravayuh (Tempest) - various sports activities including Athletics conducted on MERI - grounds.
- c) Inter Sadan Marathon race was conducted successfully on 15th March 2015. The winner was : Roll No. 7485 & 7689
- d) Inter year Cricket Tournament - During April 2014, Winner 2nd year (2013 Entry)
- e) Sports Week - various Athletics Competitions during April 2014
- f) Inter year Football Contest : winners were the 1st year (2014 Entry)
- g) Inter year Basket Ball Competitions - winning year 4th year (2011 Entry)
- h) Indoor games were also actively pursued. Chess Masters League was conducted in September - 2015.

18.4 Inter College Sports Events

Following Sports Meets were held with various local Colleges and other state University/ Engineering Colleges.

- a) Football tournament at the Budge Budge Institute of Technology (BBIT). IMU-KC were the runner-up in the tournament.
- b) 'Spardha'- a Sports Meet at IIT - BHU was held in October 2014, with active participation by our Cadets. IMU-KC cadets were the winners in the Hockey Competition with a Gold Medal
- c) Sports Festival at Indian School of Mines, Dhanbad, in February, 2015. IMU-KC were the overall runner up with many medals in athletic championship
- d) IMU-KC participated in basketball tournament organized by ITME, Kolkata and were the runners-up in the final match.

18.5. Extracurricular Activities: 2014-15

- a) Participation and volunteered Social Services by 20 cadets of 2nd year and 3rd year for Institute of Cerebral Palsy, Kolkata on their Founder's Day on 14th Nov.
- b) Tempest-14, cultural program conducted from 14th November after 1700 Hrs on 15th - 18th November.
- c) FPO Parade and Prize Distribution program on 6th December 2015.
- d) Seminar by ESAB India Ltd. - "Welding Technology for Marine Engineers" held on 22nd of Feb 2015.
- e) Soft Skill Development Program (SSDP) conducted for 2012 Entry during February, March and April 2015 by DMET/MERI Ex-Cadets association.
- f) "Swachh Bharat" Program was hosted on 2nd October 2014 on **Gandhi Jayanti** and campus cleaning on regular basis were initiated. Swachh Bharat debates were conducted on 23rd March 2015. Prizes awarded to best speakers among cadets.
- g) National Maritime Day was celebrated in our campus along with Technical Model Making competition organized by the campus and participated by our cadets on 5th April, 2014.
- h) Divisions and Hostel inspections for the cadets was conducted at regular interval.
- i) Fresh Face Contest by Times of India conducted for 1st year cadets on 22nd August 2015.

18.6 Works taken and completed

- a) Academic & Administrative Building: First phase of G+1 floor totaling 1331 sq.m completed and CPWD handed over the building to campus. Regular classes are being conducted there. Construction of G+1 floor on the remaining area of 870 sq.m in each floor is in progress (60% completed). After completion of this construction further space will be

available for class rooms, new laboratories, simulator room, faculty rooms etc.

- b) New Hostel Accommodation: 2nd & 3rd floor construction of new hostel completed (1235 sq.m in each floor) and CPWD handed over the building. Furniture placed in all the rooms. This new construction added up students accommodations of another $104 \times 2 = 208$ accommodations.
- c) Emergency Diesel Generator Set: 2nd DG Set of 125 KVA has been installed by CPWD and commissioning is under process.
- d) Raising of boundary wall: Boundary walls of the entire campus area is raised by one meter brick wall (780 meter approx.) and it is further raised by another one meter height concertina coil fencing to augment the security measure of the campus. The job is in near completion state.
- e) State Bank of India IMU Kolkata Campus branch: SBI has opened a full flagged IMU Kolkata Campus branch in the bank and post office building which was completed in the year 2009 and was lying idle.



Renovated Assembly Hall



New Academic Block



Dining Hall



Hostel Block



Navigation Simulator



New Generator Building

19. VISAKHAPATNAM CAMPUS

19.1 The IMU Visakhapatnam Campus emerges from the confluence of the centrally established Indian Maritime University at Chennai, and India's premier ship design and maritime research institution, the National Ship Design and Research Centre (NSDRC). Pioneered in the early '90s by the Government of India to pilot and consolidate national domain knowledge with global vision, NSDRC has undertaken several milestone projects in the areas of Ship Design, Construction and Applied Research. Therefore, IMU Visakhapatnam Campus heralds the integration of visionary academic insight with the accumulated professional expertise and knowledge base on Ship Design and Maritime Technology. The School of Naval Architecture & Ocean Engineering (NA&OE) imparts Undergraduate Program, B Tech (NA&OE) and Post-Graduate Programs, M Tech., (NA&OE) M Tech (Dredging & Harbour Engineering) and Ph.D.

19.2 Academic progress & student's admission: Students' strength as on 31.03.2015

a) Under Graduate Programme

Table-21: B.Tech in Naval Architecture & Ocean Engineering

Year	GEN	SC	ST	OBC	Girls	Boys	Total sanctioned	Total Admitted
4th Year	21	06	03	10	----	40	40	40
3rd Year	24	04	01	07	01	35	40	36
2nd Year	16	06	02	14	02	36	40	38
1st Year	08	05	01	12	04	22	40	26

b) Post Graduate Programme

Tab/e-22: M.Tech in Naval Architecture & Ocean Engineering

Year	GEN	SC	ST	OBC	Girls	Boys	Total sanctioned	Total Admitted
1st Year	04	---	---	---	---	04	20	04
2nd Year	10	01	-	06	---	17	20	17

Table-23: M.Tech in Dredging & harbour Engineering

Year	GEN	SC	ST	OBC	Girls	Boys	Total sanctioned	<i>Total Admitted</i>
1st Year	04	---	---	02	---	06	20	06
2nd Year	02	01	---	02	-	05	20	05

c) Doctoral Programme

Table-24

Course	GEN	SC	ST	OBC	Girls	Boys	Total
Ph.D	03	01	01	02	01	06	07

19.3 Placement Record

Table-25

Sl.No.	Name of the Course	Batch which passed out in 2014		Batch passing out in 2015		Remarks
		Total No. of students	No. of students who have got Job placement	Total No. of students	No. of students who have got Job placement	
1	B.Tech (NA& OE)	33	22	40	11	5 IRS, 2 Mazgaon Docks, 1 GS, 3 Vedam
2	M.Tech (NA& OE)	16	1	17	2	1 Intergraph , 1 MDL
3	M.Tech (D & HE)	5	5	5	0	

19.4 Works taken and completed

Subsequent to National Ship Design and Research Centre (NSDRC) being subsumed into Indian Maritime University Visakhapatnam Campus, through an Act of parliament, the Government of Andhra Pradesh has allotted Acres 109.58 cents of land at Vangali village, Sabbavaram Mandal, Visakhapatnam District to establish the new campus. The allotted land was handed over through G.O.Ms.No.444 dt.27.7.2013 of the Revenue (Assignment-I) on 26.11.2013. Subsequently, IMU entered an MOU with M/s. National Building Construction Corporation Ltd. (NBCC) for the development of the new campus for IMU at Visakhapatnam. A Master Layout plan of the proposed new campus for IMU at Visakhapatnam was prepared and earmarked for the construction activity of Phase I Buildings. Meanwhile the necessary statutory approvals from the AP state Directorate of Town and Country Planning (DTCP) were obtained on 27.02.2015, by the IMU officials for the Site Layout and Phase -1 Buildings to carry out the construction activity.

19.5 Training and Research Consultations

School of Maritime Design and Research, popularly known as SMDR is a non-academic school of IMU Visakhapatnam Campus. Continuing the tradition of erstwhile NSDRC, the division is involved in various research and consultancy projects for maritime industry, shipping, shipyards, ports etc. SMDR believes in the process of syndicated research and does a lot of work in collaboration with various academic institutions, Shipyards, Design consultants and research labs such as Naval Science and Technological Laboratory (NSTL), IIT Kharagpur, IIT Madras, NIOT, to name a few. Below you can find a selective list of research works that are being carried out:

- a) Feasibility study of setting up of mariners in the west coast of India.
- b) Study & modernization of design & construction of country crafts operating in coastal & river waters.
- c) Study of emissions from vessels operating in Indian coast, inland waterways & harbour craft.
- d) Conducting safety assessment studies on passenger vessels in Andaman Nicobar Islands, Lakshadweep Islands & Inland waters
- e) Conducting market study & capacity building for Indigenization of dredger manufacture.
- f) Development of standard designs for coastal & short sea cargo ships.
- g) Conducting studies on "Flow around Ships in a Hydrodynamic Test Facility".
- h) Feasibility of Acoustic Remote Sensing of Suspended Sediment Concentration in the Near shore areas(Acoustic Sediment Flux)
- i) Ship Manoeuvring and Propulsion performance using Data from Voyage Recorder (VDR)/ Automatic identification system (AIS)
- j) Study of antifouling paint behavior due to loading and flow around ship hull.
- k) Energy Consumption in Shipbuilding and Ship Dismantling
- l) Energy Efficiency of Marine Power Plant.
- m) Study of Productivity in Indian Shipbuilding Industry.

- n) Standard Designs of tugs for 40, 50, 60T B.P with alternative propulsion systems.
- o) Application of Flow Calculations on vessels in shallow and restricted waters

19.6 Design & Consultancy Projects

The below are the Ship Design Projects carried out this academic Year 2014-2015:

Table-26

Project	Client	Description Of Work
Conceptual Design Of New Advanced Coastal Research Vessel	NIOT, Chennai	Feasibility of various concepts was studied and the design was made successfully according to the various requirements projected by NIOT.
Tender Design of Passenger Crafts	TEBMA Shipyard, Chennai	i) 150, 250 passenger harbour Crafts ii) 200 Passenger Day Cruise vessel ii) 250 Passenger cum Vehicle Ferry Vessel iii) 300 Passenger harbour Craft Vessel
FRP PONTOON	Secon Boat Manufacturers	The Pontoon was designed to cater to the need of parking small FRP launches alongside of Godavari River.
Valuation Of the Repairs Works of a Boat of APTDC	APTDC	Valuation of the renewal and repair works of a boat Sir Arthur Cotton .The wooden boat has been converted to Steel Hull owing to passenger Safety.

19.7 Short Term Courses:

Indian Maritime University, Visakhapatnam has ardent wish to expand maritime knowledge by Conducting Short Term Courses .The below are the Short Term Courses conducted in this Academic Year:

Table-27

Course	Venue	Duration	Description Of Course
Ship Structural Design Concepts And Inspection	Indian Maritime University, Visakhapatnam	19th-21st January 2015	The course was conducted in collaboration with Classification Society DNV.GL. Participants from Shipyards, Design Offices, Academicians turned up to the event
Dredger Familiarization	Indian Maritime University, Visakhapatnam	08th-19th December 2014	The course was conducted in collaboration with DCI,(Dredging Corporation Of India) Students, Industry personnel of Dredging have attended the course
Dredger Specialization	Indian Maritime University, Visakhapatnam	17th-31st March,2015	The course was conducted in collaboration with DCI,(Dredging Corporation Of India) Students, Industry personnel of Dredging have attended the course

19.8 Papers published by IMU Faculty, staff and Project Staff

Table-28

Sl. No.	Name	Description	Details of Publication
1	T.Kalyani	Scope of Coastal and River Transportation in Odisha - Issues Regarding Passenger Transportation (PPT)	CV Raman College of Engineering on April -11 2014, Bhubaneswar
2	Dr.N.Ravichandran	Status of Inequality of Health facility at PHC level: A comparative study between Andhra Pradesh and India	International Journal of Multidisciplinary Education Research Vol.3, No.5 May 2014, Visakhapatnam
3	Dr. B.V.Ramalingeswar Rao	Study of Principal Operational Performance Indicators of Various Indian Ports for Imported Steam Coal	Conference Proceedings of IFSPA 2014 (International Forum on Shipping Ports and Airports) Sustainable Development in Shipping

			and Transport Logistics, 19th - 21st May 2014. The Hongkong Polytechnic University, Hongkong
4	Garima Sharma	Application of Revised Universal Soil Loss Equation in Coringa Region of Kakinada Bay	National Seminar on Impact of Climate Change Success and Challenges in Ocean and Atmospheric Research SCOAR 2014, 9th -11th October 2014.
5	S.Padmashree	Implementation of RFID Technology in Indian Maritime University Library: A Study	International Conference on Scholarly Communication and Knowledge Management In Higher Educational Institutions (ICSKH 2014) 28th - 29th November 2014
6	T.Kalyani and Premchand Mallampalli	Safety Aspects related to Passenger Transportation in NW-1 (PPT)	Workshop on "Replacement of Country Boats for Optimal Efficiency" National Inland Navigation Institute on 20th February 2015, Gaighat, Patna
7	Y.Sudheer and N.Ananth Kumar	Study on conversion of Traditional Wooden boat to Steel boat (PPT)	Workshop on "Replacement of Country Boats for Optimal Efficiency" National Inland Navigation Institute on 20th February 2015, Gaighat, Patna
8	Dr.N.Ravichandran	Gandhi and Peace Journalism	National Seminar on Gandhi, Ethics and Journalism on 21st & 22nd March 2015, Gandhi Studies Centre, Andhra University, Visakhapatnam

19.9 Sports, Extracurricular activities and prizes won by the students

- a) Seheri was conducted on 28th April 2014, which was an inter house cultural and sports competition where our students participated and won various prizes
- b) Krishna Janmashtami was celebrated on 17th Aug 2014
- c) Teacher's Day was conducted on 05th Sep 2014, Students conducted games for faculty
- d) Onam was celebrated on 08th Sep 2014, students held games involving staff and students.
- e) Swachh Bharat campaign was conducted on 2nd Oct 2014. The entire campus was cleaned by staff and students
- f) University Day was celebrated on 14th Nov 2014, Tree saplings were planted in the campus surroundings by staff and students.
- g) GOS- It was conducted on 21st Dec 2014, which is conducted every year since 2011 after the death of our students "Giridhar Om Shivam" who died in a freak accident by drowning. During GOS program, we focus on safety issues with our students and try to create safety awareness in our city.
- h) Women's Day was celebrated on 08th March 2015, a renowned Professor C. Sasikala from Andhra University was the Chief Guest for this occasion
- i) Religious Harmony Tour on 15.04.2014
- j) Competitions to children and women in Sum areas held on 24.04.2014
- k) Awareness Programme on AIDs 04.12.2014
- l) Blood donation camp held on 05.12.2014
- m) Awareness on Human Rights 16.12.2014



Electrical & Electronics Lab



Dining Hall



Class Room



Library



Computer Lab



New Class Rooms

20. COCHIN CAMPUS

20.1 IMU Cochin Campus currently offers following academic programmes

- a) MBA in Port and Shipping Management
- b) MBA in International Transportation and Logistics Management
- c) P.G Diploma in Marine Engineering
- d) B.Sc. in Ship Building & Repair
- e) Diploma in Nautical Science leading to B.Sc. Applied Science

20.2 Academic Progress and Students admission

Table-29

Sl No	Courses offered	First Year/ First Semester (No.of students)	Pass)(%	Second Year/ Third Semester (No.of students)	Pass)(%	Third Year	Pass)(%	Total Strength	Placement
1	B.Sc., Shipbuilding and Repair (3years)	17	88.24	32	48.39	9	77.8	58	Those students whose successfully completed their course has got placement in Cochin Shipyard Ltd as trainee
2	Diploma in Nautical Science leading to B.Sc.,(Nautical Science(I Year Course)	6 (Aug. 14/9 batch)	83.33	Nil		NA	nil	06	
3	Post Graduate Diploma in Marine Engineering (1 Year Course)	02 (Jan.15 Batch)	50			NA		02	
4	MBA (Port and Shipping Management (2 Year Course)	7	71.43			NA		07	
5	MBA (International Transportation & Logistics (2 year Course)	11	100	18	76.47			29	10 students placed in different Companies out of this 4 as trainee and 6 as job placement

20.3 Admission for the Academic Year 2014-15

Table-30

Sl. No	Course Name	No of Students	Batch No
1	Diploma in Nautical Science	6	Batch 9
2	B.Sc., (SBR)	17	Batch 6
3	MBA (ITL)	11	Batch 2
4	MBA (PSM)	07	Batch 3

20.4 Achievements by departments, faculty, students (Conferences attended, papers presented, prizes won etc.)

- a) Faculty and students participated in 'Horizon' an educational exhibition conducted by leading newspaper "Malayala Manorama"

20.5 Works taken and completed

Table-31

S.No	Name of the work	Completion Date
1	Academic cum Administrative building	Work in progress
2	Providing & laying CC Paver Blocks	13-01-2015

20.6 Training & Research Consultation

- a) MBA (ITL) Students attended a "training programme on Dangerous Cargoes and Perishable goods" by Shri Sasi Kallada.
- b) B.Sc.(SBR) students attended one month internship with Hindustan Shipyard Ltd., at Vishakhapatnam.

20.7 Sports & Extracurricular Activities and Prizes won by the Students:

Sl. No	Name of the Student	Name of the Event	Prizes won	Remarks
1	Harsh Vardhan Singh	Mimicry	1st Prize	7th Foundation Day Celebration at Chennai
2	Darshan & Devadoothika	Collage	1st Prize	As above
3	Sarthak Das & Team	Dumb Charades	1st Prize	As above
4	Sarthak Das	Sketching	1st Prize	Cochin Campus Cultural Programme
5	Chandralekha Pingua	Painting	1st Prize	As above
6	Sarthak Das	Dance (solo)	1st Prize	As above
7	Stephy	Dance (solo)	2nd Prize	As above
8	Elvis George	JAM	1st Prize	As above
9	Sarthak Das	JAM	2nd Prize	As above
10	Sourabh Singh	Quiz	1st Prize	As above
11	Vikash Kumar	Quiz	2nd Prize	As above
12	Ankithab Anshu	Debate	2nd Prize	As above
13	Vishal Kumar	Solo Song	2nd Prize	As above
14	Harsh	Mimicry	1st Prize	As above
15	Vikash Kumar	Stand Up Comedy	1st Prize	As above



Main Building



Interior of Building



Class Room



Library



Seamanship Lab



Chemistry Lab