



INDIAN MARITIME UNIVERSITY

(A Central University under the Ministry of Shipping)

ANNUAL REPORT

2013-14

VISITOR

SHRI PRANAB MUKHERJEE

President of India

CHANCELLOR

Dr. V. KRISHNAMOORTHY

*(Former CMD, BHEL, former CMD, SAIL, former CMD, Maruti Udyog Ltd.,
former Chairman, National Manufacturing Competitiveness Council)*

VICECHANCELLOR

Shri K. Ashok Vardhan Shetty

(from 02.01.2014 onwards)

Captain M. Baveja

(in-charge from 01.04.2013 to 01.01.2014)

REGISTRAR

Shri C. Mohan (from 14.03.2014)

Dr. S.K. Balasundaram (in-charge from 29.02.2014 to 13.03.2014)

Shri Sanjay Mittal (in-charge from 16.07.2013 to 28.02.2014)

Shri S. Vasudevan (in-charge from 28.06.2013 to 15.07.2013)

Cdr. M .Anand (from 01.04.2013 to 27.06.2013)

FINANCE OFFICER

Shri V. Palani (in-charge from 08.08.2013 to 31.03.2014)

Shri S. Vasudevan (from 01.04.2013 to 07.08.2013)

CONTROLLER OF EXAMINATIONS

G. Venguidesvarane (in-charge from 07.08.2013 up to 31.03.2014)

Dr. B. Chithra (from 01.04.2013 to 07.08.2013)

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1. EXECUTIVE SUMMARY

1.1 Introduction

India has had a long maritime tradition and the single principal factor contributing to this celebrated tradition is the presence of a strong, dedicated, efficient and reliable reservoir of officers and ratings of the Merchant Navy in India. The rising demand for Indian seafarers worldwide is a testimony to the quality of education and training imparted in India. However, of late, India has been facing a stiff challenge to her position in this regard from countries like Philippines, China and Bangladesh. Hence there is a need to further upgrade our training capacity and capabilities so that India stays ahead of the other nations in this sector and is able to meet the projected global shortage of over 27,000 officers by the year 2015.

The birth of Indian Maritime University (IMU) was a long cherished dream of the maritime community of India. The University, established through an Act of Parliament (Act No 22) in November 2008 as a Central University, is poised to play a key role in the development of trained human resource for the maritime sector. Indian Maritime University (IMU) came into existence on 14th November 2008 by subsuming even legacy institutions from four major port cities. The University now has six Campuses at major port cities of Chennai, Mumbai, Kolkata, Visakhapatnam, Kochin and Kandla (Gujarat) and a centre at Karaikal. IMU has stepped into its 7th year with renewed energy.

The University aims to achieve academic and research excellence in the three broad domains of maritime sector namely trade, Resources and security. This includes merchant navy, ship design, ship building and repair, ports and equipment, hinter and evacuation, supply chain management, offshore oil, seabed minerals, aquaculture and fisheries, coastal zone management, tourism, environmental sustainability, piracy, border management and hydrography.

The University is set to the following objectives:

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 programs 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.

1.2 Campuses

The University was established initially with four Campuses namely, Chennai, Mumbai, Kolkata and Visakhapatnam. Cochin Campus was established in August 2009. The Kandla Port Campus, with infrastructural support from Kandla Port, started functioning from academic year 2011-12 with one course named Diploma in Nautical Science leading to B.Sc (Nautical Science) Course. Karaikal Campus was started in January 2014.

1.3 Appointment of Vice Chancellor

Shri K. Ashok Vardhan Shetty joined as Vice Chancellor of IMU on 2nd January 2014.

1.4 Academic Programmes

All Academic Programmes of the University are offered under its Five Schools namely, School of Nautical Studies, School of Marine Engineering and Technology, School of Naval Architecture and Ocean Engineering, School of Maritime Management and School of Maritime Law.

1.5 Admission

A pass in the Common Entrance Test conducted by IMU is a mandatory requirement for admissions to all the Programmes in IMU Campuses as well as Affiliated Institutes. The total intake of students to various courses in IMU Campuses and affiliated institutions in 2013-14 was 4229. (Table 1.1) The University follows the reservation policy prescribed by Government of India.

TABLE 1.1: Total Number of Students on Roll

Sl. No.	Name of the Course	No. of Students
1	Ph D	6
2	MBA (Port & Shipping Management)	72
3	MBA (International Transportation and Logistics)	81
4	M.Tech (Naval Architecture & Ocean Engineering)	34
5	M.Tech (Dredging & Harbor Engineering)	10
6	LLM (Maritime Law)	12
7	B.Tech (Marine Engineering)	1930
8	B.Tech (Naval Architecture & Ocean Engineering)	149
9	B.Sc. (Ship Building and Repair)	62
10	B.Sc. (Nautical Science)	501
11	B. Sc. (Maritime Science)	44
12	PG Diploma in Marine Engineering	45
13	DNS leading to B.Sc. (Nautical Science)	1283
Total		4229

The University also conducted Post-Sea Programmes and Management Development Programmes(MDP) in its various Campuses. During 2013-2014, the modular courses

and competency courses had a total participant strength of 7719 and 1818 respectively. The same year 2013-14, 44 Management Development Programmes were conducted and over 500 participants belonging to various Ports and non-Port organisations.

1.6 Conferences/Seminars/Workshops

- IMU Visakhapatnam Campus organized and hosted “Inspire Internship Science Camp” from 15th to 19th July 2013. Lectures on Scientific Topics delivered given by eminent scientists and by Chief Guest Prof. K.Satyanaryana. It also organised a Training Program on “Energy Management & Audit jointly with National Productivity Council”, Hyderabad from 06.01.2014 to 10.01.2014. 22 paper presentations in various conferences /seminars were made by Faculty.
- IMU Mumbai Campus conducted many in-house seminars and its Faculty presented papers in four maritime National conferences at Mumbai.
- IMU Cochin Campus arranged a field trip in which the MBA students visited Inland Container Depot (ICD), Whitefield, Bangalore. They also visited Port Blair, Andaman and Nicobar Islands in March 2014.
- IMU Chennai Campus organised a National Seminar and Management Fest “Estuary 2014” in March 2014, the finals of which were held in April 2014.
- The School of Marine Engineering and Technology conducted a National Level Symposium “NATATORIAL-2013” on 24th& 25th Oct 2013.
- IMU Kolkata Campus conducted a Workshop for young Investors on 27th October, 2013 for final year cadets. Another Workshop on Financial Education was held by SEBI on 10th November, 2013 for final year students.

1.6.1 Research Projects and Consultancy

In all the five Schools of IMU, Faculty members are encouraged to publish papers in their respective areas of interest and also to undertake Research projects and Consultancy work.

The details of Research and Consultancy Projects which were undertaken during 2013-14 are as follows:

- (a) Chennai Campus - 3 Consultancy Projects.
- (b) Visakhapatnam Campus – 15 Research Projects and 6 Consultancy Projects.
- (c) Kolkata Campus - 5 Consultancy Projects.

1.6.2 Publications

The University brings out an in-house quarterly journal named "IMU-Voyage". The School of Maritime Management also publishes an in-house bimonthly journal called 'Stimulus'.

1.6.3 Training Cell

Chennai, Mumbai, Kolkata and Vishakhapatnam Campuses possess fully equipped training cells. During 2013-14, at IMU-Mumbai Campus, LBS College of Advanced Maritime Studies and Research conducted 36 post sea courses and 5 training programmes. R & D cell of IMU-Kolkata Campus conducted 12 Management Development Programmes, 12 on-site programmes at various major Ports and 38 Competency and Modular Courses. Four IES training programmes and two seminars were organized by the School of Maritime Management (location) and 12 post-sea programmes were conducted at Chennai Campus.

1.7 Library

Each Campus has a well-equipped library, which caters to the needs of Faculty members and students. The Visakhapatnam Campus Library is fully digitized. Initiatives have been taken to digitize all the libraries. The Visakhapatnam Campus also has an exclusive collection of drawings pertaining to Ship Designing. The library uses an integrated library management software LIBSYS for various library functions and LS Digital for managing digital resources. IMU Kolkata has an excellent library with one of the finest collections of books and journals in Port and Shipping Management.

1.8 Finance

Till the end of financial year 2013-14 IMU received Plan fund of Rs.256.45 crores. The total recurring expenditure of IMU was Rs. 73.53 crores and total revenue generated was Rs.78.38 crores during 2013-14.

1.9 Affiliated Institutions

For the period 2013-14, the following 36 Institutions/ Colleges were provisionally affiliated, for specific courses mentioned against their names, to the University.

TABLE 1.2: Affiliated Institutions

Sl. No.	Name of the Institution	No. of Students enrolled (Aug & Feb Batch)			
		Course Name	Aug-2013	Feb-2014	Total
1	Anglo Eastern Maritime Academy, Mumbai	DNS	158	80	238
2	Applied Research International, New Delhi	DNS	41	10	51
3	Aquatech Institute of Maritime Studies, New Delhi	DNS	-	-	-
4	B P Marine Academy, Mumbai	DNS	-	-	-
5	C V Raman College of Engineering, Bhubanewsar	B.Tech (ME)	35	-	35
		DNS	-	-	-
6	Centre for Maritime Education and Training, Lucknow	DNS	-	-	-
7	Coimbatore Marine College, Coimbatore	B.Tech (ME)	56	-	56
		B.Sc.,(NS)	39	-	39
8	Cosmopolitan Technology of Maritime, Kancheepuram	DNS	-	-	-
9	Dr. B R Ambedkar Institute of Technology, Port Blair	DNS	-	-	-
10	Euro Tech Maritime Academy, Cochin	B.Tech (ME)	17	-	17
		DNS	8	-	8
11	GKM Institute of Marine Sciences and Technology, Chennai	B.Sc.,(NS)	7	-	7
12	Great Eastern Institute of Maritime Studies, Mumbai	DNS	75	39	114
13	Haldia Institute of Maritime Science, Kolkata	DNS	-	-	-
14	Hind Institute of Nautical Science & Engineering, Noida (U.P)	B.Sc.,(SBR)	5	-	5
15	Hindustan Institute of Maritime Training - HIMT College, Kilpauk, Chennai	B.Tech (ME)	14	-	14
		B.Sc.,(NS)	10	-	10
16	International Maritime Institute, New Delhi	B.Tech (ME)	21	-	21
		DNS	31	26	57

17	Mangalore Marine College, Mangalore	B.Tech (ME)	-	-	-
18	Marine Officers Training Academy, Puducherry	DNS	-	-	-
19	Maritime Foundation, Nungambakkam, Chennai	DNS	-	-	-
20	Maritime Training Institute, (SCI) Mumbai	DNS	77	61	138
21	Maritime Training Institute, (SCI) Tuticorin	DNS	34	21	55
22	MMTI'S Education & Research Trust, Mumbai	DNS	24	20	44
23	Park Maritime Academy, Coimbatore	B.Tech (ME)	-	-	-
24	Perunthalaivar Kamarajar Institute of Maritime Science and Engineering, Chidambaram	DNS	33	-	33
25	RVS College of Maritime Science & Engineering, Karaikal	DNS	-	-	-
26	Sailors Maritime Academy, Vishakhapatnam	DNS	33	33	66
27	Sairam Shipping Science College, Chennai	DNS	-	-	-
28	Samundra Institute of Maritime Studies, Mumbai	B.Tech (ME)	24	-	24
		DNS	111	-	111
29	Shriram Institute of Marine Studies, New Delhi	DNS	25	-	25
30	Southern Academy of Maritime Studies, Chennai	DNS	14	3	17
31	Sri Nandhanam Maritime Academy, Thirupattur	B.Tech (ME)	-	-	-
32	Tolani Maritime Institute, Pune	DNS	34	-	34
33	Training Ship Rahaman, Mumbai	DNS	37	28	65
34	Trident College of Maritime, Kolkata	DNS	-	-	-
35	Vishwakarma Maritime Institute, Pune	DNS	19	18	37
36	Yak Education Trust, Mumbai	DNS	23	-	23
Total			1005	339	1344

1.10 Infrastructure Development

1.10.1 The following works were carried out at IMU Headquarters, Semmancherry through Central Public Works Department (CPWD).

- a) Construction of Compound wall along the western periphery and east-west direction of southern periphery to a length of 2.1 km at an estimated cost of Rs.4.61 Crore.

- b) Construction of Administrative Building Block “A” with a total plinth area of 2300 sq.m was completed which consists of multi-purpose hall on the ground floor and a Library and Computer Centre on the first floor.
- c) Construction of Administrative Building Block “B” with a plinth area of 2000 sq.m block accommodating various offices including those of the Vice Chancellor, Registrar, Finance Officer and Controller of Examinations and their respective Secretariats area which is in advanced stage of completion.
- d) Construction of Academic Block with plinth area of 2160 sq.m consisting of ten class rooms of each of thirty students capacity, Head of department, faculty rooms, computer centre and seminar hall .
- e) Construction of Hostels for Boys and Girls with an area of 2835 sq.m each with an accommodative capacity of 120 and 80 respectively.
- f) Construction of electrical sub-station, CPWD site office, provision of WBM Radial Road from west side entry of IMU site to Administrative Buildings, sump& Sewage Treatment Plant.

1.10.2 a) Works In Progress

- i) Construction of Approach Bridge over Buckingham canal from East Coast Road to IMU site work was in progress.
- ii) Construction of Compound wall along North -East and South –East of IMU site.
- iii) Construction of internal roads, foot paths, rain water harvesting and horticultural works were under progress.

b) Development Works - Under Planning Stage

- (i) Construction of Vice Chancellor Bungalow, Residence for Registrar, Finance officer and Controller of Examinations and quarters for Deputy Registrars and Engineers.
- (ii) Construction of compound wall along the Eastern periphery of IMU land.

1.10.3 IMU Chennai Campus

- a) New Marine Hostel of G+1 structure with a plinth area of 19,600 sq.ft was constructed for exclusive accommodation of Marine Engineering students. The hostel has sixteen

rooms on the ground floor and twenty rooms on the first floor and has a total accommodating capacity of 216 students with planned capacity of six students in each room. There are twenty toilets – cum – bathrooms on each floor.

- b) Annex building to the New Marine Hostel was constructed with provision of kitchen, VIP dining room at the ground floor and a dining hall with a capacity of 250 students at the first floor. Kitchen was set up with steam boilers, exhaust duct and with modern kitchen equipment.
- c) One RO plant was installed in New Marine Hostel for purifying water.

1.10.4 IMU Mumbai Campus

Works undertaken during 2013-2014 were as follows:

- a) ECDIS Simulators were being commissioned at T.S. Chanakya and L.B.S.C.A.M.S.A.R.
- b) Construction of OBC hostel at T.S. Chanakya

1.10.5 IMU Kolkata Campus

- a) The construction work of first phase of the new hostel block for OBC students was completed (G+1) and put into use for cadets (172 cadets were accommodated upon completion of the first phase of construction). Kitchen and dining were planned for subsequent space commissioning for cadets messing. Phase-II – 2nd and 3rd floor construction was started.
- b) The construction of first phase of Academic and Administrative building for OBC students (G+1) completed.
- c) Construction of new accommodation (1331 Sq.m.) between Junior Hostel and Rear-Wing completed.
- d) New Diesel Generator set was installed and commissioned.

1.10.6 IMU Vishakhapatnam Campus

- a) IMU entered into a MOU with National Building Construction Corporation (NBCC) for the construction of the new Campus building in an area of 109 acres.
- b) NBCC issued a Tender notification inviting prospective contractors for the construction of compound wall.

1.10.7 IMU Cochin Campus

- a) The Campus Library has been equipped with 2400 books, 31 magazines and 12 print journals. The library has facility to access online resources.
- b) The main building and workshop were under construction.

1.11 Meetings of the Statutory Authorities

The following are the details of meetings of various Statutory Authorities during 2013-14.

TABLE 1.3: Meetings of the Statutory Authorities

COURT	Executive Council	Finance Committee	Academic Council	BAR
23-4-2013 (4 th)	12-4-2013 (19 th)	16-5-2013 (5 th)	14-5-2013 (6 th)	14-5-2013 (8 th)
31-10-2013 (5 th)	23-4-2013 (20 th)	6-2-2014 (6 th)	30-7-2013(7 th)	30-7-2013(9 th)
	16-5-2013 (21 st)		6-8-2013 (8 th)	
	14-6-2013 (22 nd)		29-10-2013 (9 th)	
	26-6-2013 (23 rd)		29-1-2014 (10 th)	
	1-8-2013 (24 th)			
	2-9-2013 (25 th)			
	31-10-2013(26 th)			
	6-2-2014 (27 th)			

1.12 Scholarships and Concessions

IMU and its six Campuses extend all the requisite support to its students for obtaining educational loans from nationalized banks. The girl students are given waiver of tuition fee to the tune of Rs.79,500/- for the DNS course and Rs. 82,000/- (per Annum) for the B.Tech programme. Apart from this, scholarship from Ministry of Social Justice and Empowerment, Government of India, and also the concerned State Government scholarships for SC/ST students are obtained through the University.

1.13 Students' Welfare

IMU Campuses offer medical and health care facilities for both students and staff. All

the students of the University are covered under Group Insurance Scheme (Personal Accident Policy) up to of Rs.2 lakhs per student. Since the Marine and Nautical Courses are residential Courses, both indoor and outdoor game facilities are available at all Campuses. The opportunity for participation in extra-curricular activities is also facilitated across the Campuses.

1.14 Placements

IMU is now in its sixth year and takes necessary steps for placement of students of all its Campuses. Reputed shipping Companies. Liners, Logistics and other service providers are the ones who recruit from IMU.

1.15 Awards

Students of IMU Campuses participated in various types of professional and extracurricular activities won various trophies, cups and awards of academic and industrial repute at Inter University and other levels.

1.16 Official Language Implementation Committee

The University has established a committee named, Official Language Implementation Committee with the objective to promote Hindi in the day to day administrative activities. Employees are encouraged to communicate in Hindi.

1.17 First Convocation

Although IMU was started on 14.11.2008, no Convocation was held for over 5 years. IMU's First Convocation was held on 22nd February 2014 and was graced by Shri Pranab Mukherji, the President of India who delivered the Convocation Address. 1339 candidates, from the 2009-10 batches onwards, who had passed all their examinations before the 31st October 2013, were awarded U.G Degrees, P.G Degrees and P.G Diplomas.

No. of candidates admitted to degrees *in person*: 315

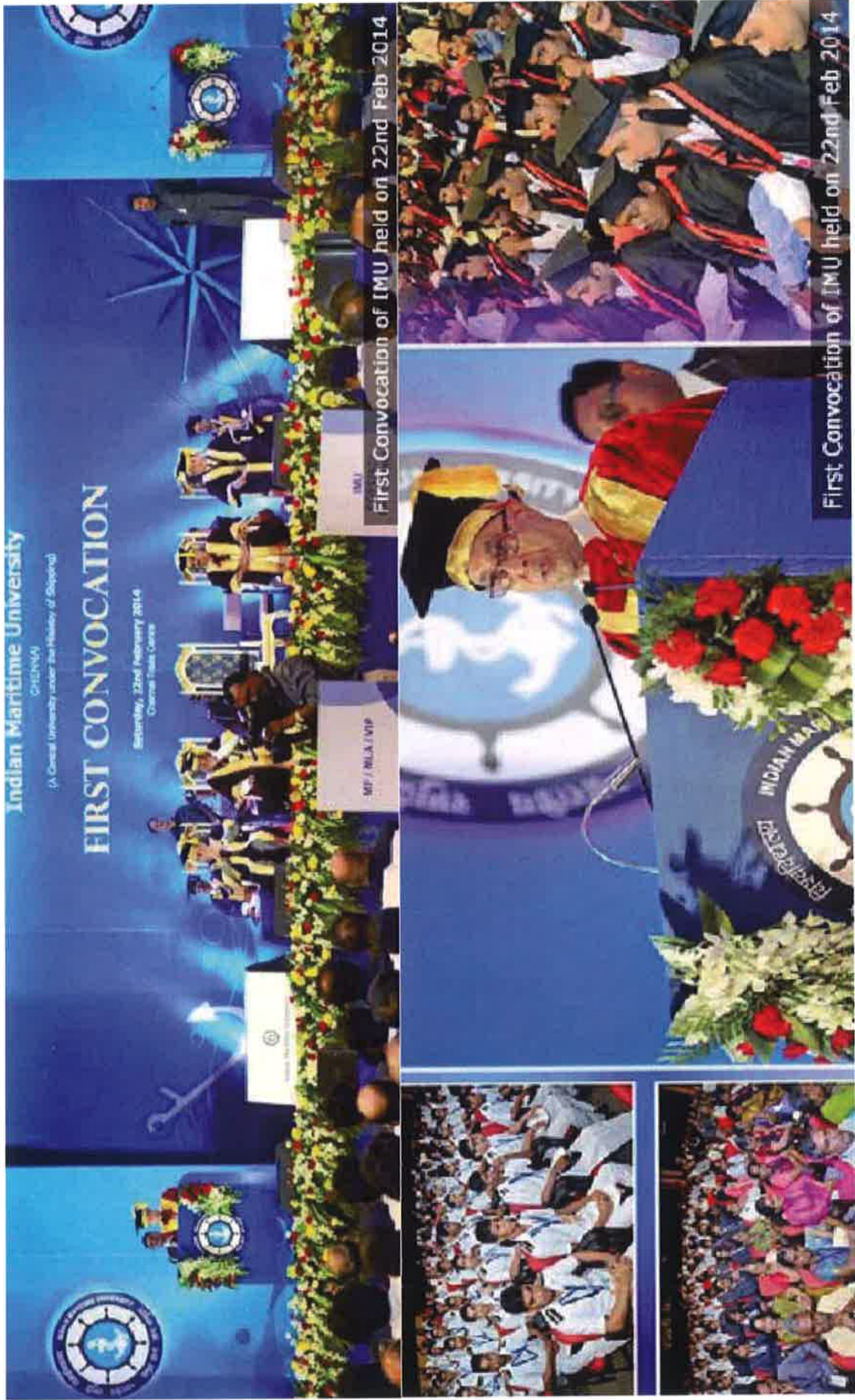
No. of candidates admitted to degrees *in absentia*: 1024

The School-wise break-up was as follows:

- School of Marine Engineering- 619
- School of Nautical Sciences- 302
- School of Naval Architecture and Ocean Engineering- 99
- School of Maritime Management- 309
- School of Maritime Laws- 10.

The IMU campus & Affiliated Institutes-wise break-up was as follows:

- IMU Mumbai campus - 630
- IMU Chennai campus - 229
- IMU Kolkata campus - 173
- IMU Visakhapatnam campus – 68
- IMU Kochi campus - 95
- Affiliated Institutes - 144



First Convocation of IMU held on 22nd Feb 2014

First Convocation of IMU held on 22nd Feb 2014

“The First Convocation graced by His Excellency Dr. Pranab Mukherjee, Hon’ble President of India on 22nd February, 2014”.

2. ACADEMIC ACTIVITIES

2.1 Introduction

The University offers Diplomas, Undergraduate, Post Graduate and Doctorate Degree Programmes in various disciplines under its five schools.

- School of Nautical sciences
- School of Marine Engineering and Technology
- School of Naval architecture
- School of Maritime management
- School of Maritime Law

2.2 Programmes Offered

2.2.1 IMU-Campuses

A) Chennai Campus

- i) Diploma in Nautical Science leading to B.Sc. (Nautical Science)
- ii) B.Sc. (Nautical Science)
- iii) B. Tech. (Marine Engineering)
- iv) MBA (Port and Shipping Management)
- v) MBA (International Transportation and Logistics)
- vi) LLM (Maritime Law)

B) Mumbai Campus

- i) Diploma in Nautical Science leading to B.Sc. (Nautical Science)
- ii) P.G. Diploma in Marine Engineering
- iii) B.Sc. (Nautical Science)
- iv) B.Sc. (Maritime Studies)

C) Kolkata Campus

- i) Diploma in Nautical Science leading to B.Sc. (Nautical Science)
- ii) B. Tech. (Marine Engineering)
- iii) MBA (International Transportation & Logistics Management)

D) Visakhapatnam Campus

- i) B. Tech. (Naval Architecture and Ocean Engineering)
- ii) M. Tech. (Naval Architecture and Ocean Engineering),
- iii) M.Tech. (Dredging & Harbour Engineering)
- iv) Ph. D.

E) Cochin Campus

- i) Diploma in Nautical Science leading to B. Sc. (Nautical Science)
- ii) P.G. Diploma in Marine Engineering
- iii) B. Sc. (Ship Building and Repair)
- iv) MBA (Port and Shipping Management)
- v) MBA (International Transportation and Logistics Management)

F) Kandla Port Campus

- i) Diploma in Nautical Science leading to B. Sc. (Nautical Science)

2.2.2 Students

During the year 2013-14, there were 4165 students on the rolls of the University at its Campuses and affiliated institutions spread throughout the length and breadth of the country.

TABLE 2.1: Total Number of Students on Roll

Sl. No.	Name of the Course	No. of Students
1	Ph D	6
2	MBA (Port & Shipping Management)	72
3	MBA (International Transportation and Logistics)	81
4	M.Tech (Naval Architecture & Ocean Engineering)	34
5	M.Tech (Dredging & Harbor Engineering)	10
6	LLM (Maritime Law)	12
7	B.Tech (Marine Engineering)	1930
8	B.Tech (Naval Architecture & Ocean Engineering)	149
9	B.Sc. (Ship Building and Repair)	62
10	B.Sc. (Nautical Science)	501
11	B. Sc. (Maritime Science)	44
12	PG Diploma in Marine Engineering	45
13	DNS leading to B.Sc. (Nautical Science)	1283
Total		4229

2.2.3 UG Programmes**TABLE 2.2: No. of Students Admitted in Diploma in Nautical Science (DNS)**

Sl. No.	Name of Institution	Aug' 2013 Batch	Feb' 2014 Batch
1	IMU Chennai Campus	52	-
2	IMU Kolkata Campus	22	-
3	IMU Mumbai Campus	53	-
4	IMU Cochin Campus	15	-
5	IMU Kandla Port Campus	19	-
6	IMU Karaikal Campus	-	6
7	Anglo Eastern Maritime Academy	158	80
8	Applied Research International	41	10
9	Aquatech Institute of Maritime Studies	-	-

10	B P Marine Academy		
11	C V Raman College of Engineering	-	-
12	Cosmopolitan Technology	-	-
13	Dr. B R Ambedkar Institute of Technology	-	-
14	Euro Tech Maritime Academy	8	-
15	The Great Eastern Institute of Maritime Studies	75	39
16	HIMT College	-	-
17	Haldia Institute of Maritime Science & Research (ICARE)	-	-
18	International Maritime Institute	31	26
19	Maritime Foundation	0	0
20	Mumbai Maritime Training Institute	24	20
21	Sailors Maritime Academy	33	33
22	Southern Academy Of Maritime Studies	14	3
23	Samundra Institute of Maritime Studies	111	-
24	Shipping Corporation of India, (MTI) Mumbai	77	61
25	Shipping Corporation of India, (MTI) Tuticorin	34	21
26	Shriram Institute of Marine Studies	25	-
27	Tolani Maritime Institute	34	-
28	Trident College of Marine Technology	-	-
29	Training Ship Rahman	37	28
30	Yak Education Trust	23	-
31	Sairam Shipping Science Institute, Puducherry	-	-
32	Shirdi Sai Nautical Institute Academy, Bengaluru	-	-
33	RVS College of Maritime Science & Engineering	-	-
34	Perunthalaivar Kamarajar Institute of Maritime Science and Engineering	33	-
35	Sairam Shipping Science College, Chennai	-	-
36	Vishwakarma Maritime Institute	19	18
37	Centre for Maritime Education & Training	-	-
38	Marine Officers Training Academy	-	-
Total		938	345

TABLE 2.3: No. of Students in B. Tech. (Marine Engineering)

Sl. No.	Name of Institution	No. of Students admitted				
		1 st Year (2013-14)	2 nd Year (2012-13)	3 rd Year (2011-12)	4 th Year (2010-11)	Total
1	IMU Chennai Campus	73	20+26(LE)	79	34	232
2	IMU Kolkata Campus	236	126	228	192	782
3	IMU Mumbai Campus	36	-	-	-	36
4	C V Raman College	35	26	28 + 2(LE)	21	112
5	International Maritime Institute	21	39 + 1(LE)	33	35	129
6	Sri Nandhanam Maritime College	0	13	16	30	59
7	Noorul Islam College	-	-	-	-	-
8	PSN College	-	-	15	21	36
9	Samundra Institute of Maritime Studies	24	34 + 4(LE)	36	32	130
10	Park Maritime Academy	0	6	24	37	67
11	HIMT College	14	33 +7(LE)	39	-	93
12	Coimbatore Marine College	56	33 +45(LE)	77	-	211
13	Mangalore Marine College	0	1+3(LE)	22	-	23
14	Euro Tech Maritime Academy, Cochin	17	-	-	-	17
Total		512	417	599	402	1930

LE- Lateral Entry

TABLE 2.4: No. of Students Admitted in B. Tech. (Naval Architecture & Ocean Engineering)

Sl. No.	Name of Institution	No. of Students admitted				
		1 st Year (2013-14)	2 nd Year (2012-13)	3 rd Year (2011-12)	4 th Year (2010-11)	Total
1	IMU Visakhapatnam Campus	39	37	40	33	149

TABLE 2.5: No. of Students Admitted In B.Sc (Nautical Science)

Sl. No.	Name of Institution	No. of Students admitted			
		1 st Year (2013-14)	2 nd Year (2012-13)	3 rd Year (2011-12)	Total
1	IMU Chennai Campus	71	57	-	128
2	IMU Mumbai Campus	135	10	138	271
3	HIMT College	10	14	-	24
4	Coimbatore Marine College	39	17	-	56
5	G.K.M. College of Engineering & Technology	7	3	-	10
Total		262	101	138	501

TABLE 2.6: No. of Students Admitted in B.Sc (Maritime Science)

Sl. No.	Name of Institution	No. of Students admitted			
		1 st Year (2013-14)	2 nd Year (2012-13)	3 rd Year (2011-12)	Total
1	IMU Mumbai Campus	21	NIL	23	44

TABLE 2.7: No. of Students Admitted in B.Sc (Ship Building and Repair)

Sl. No.	Name of Institution	No. of Students admitted			
		1 st Year (2013-14)	2 nd Year (2012-13)	3 rd Year (2011-12)	Total
1	IMU Cochin Campus	36	9	7	52
2	Hind Institute of Nautical Science and Engineering	5	5	-	10
Total		41	14	7	62

2.2.4 PG PROGRAMMES

TABLE 2.8: No. of Students Admitted In MBA (Port & Shipping Management)

Sl. No.	Name of Institution	No. of Students admitted		
		1 st Year (2013-14)	2 nd Year (2012-13)	Total
1	IMU Chennai Campus	18	29	47
2	IMU Cochin Campus	-	25	25
Total		18	54	72

**TABLE 2.9: No. of Students Admitted in
MBA (International Transportation and Logistics Management)**

Sl. No.	Name of Institution	No. of Students admitted		
		1 st Year (2013-14)	2 nd Year (2012-13)	Total
1	IMU Chennai Campus	28	29	57
2	IMU Cochin Campus	18	-	18
3	IMU Kolkata Campus	6	-	6
Total		52	29	81

TABLE 2.10: No. of Students Admitted in LLM (Maritime Law)

Sl. No.	Name of Institution	No. of Students admitted		
		1 st Year (2013-14)	2 nd Year (2012-13)	Total
1	IMU Chennai Campus	5	7	12

**TABLE 2.11: No. of Students Admitted in
M. Tech. (Naval Architecture & Ocean Engineering)**

Sl. No.	Name of Institution	No. of Students admitted		
		1 st Year (2013-14)	2 nd Year (2012-13)	Total
1	IMU Visakhapatnam Campus	17	17	34

TABLE 2.12: No. of Students Admitted in M.Tech (Dredging and Harbor Engineering)

Sl. No.	Name of Institution	No. of Students admitted		
		1 st Year (2013-14)	2 nd Year (2012-13)	Total
1	IMU Visakhapatnam Campus	5	5	10

TABLE 2.13: No. of Students Admitted in Ph.D. Programme

Sl. No.	Name of Institution	2013-14	2012-13	No. of Students
1	IMU Visakhapatnam Campus	3	3	6

TABLE 2.14: No. of Students Admitted in PG Diploma in Marine Engineering

Sl. No.	Name of Institution	Total No. of Students
1	IMU Mumbai Campus	42
2	IMU Cochin Campus	3
Total		45

TABLE 2.15: Total No. of Students Applied and Appeared for CET

Sl. No.	Batch	Total No. of candidates applied		Total candidates Appeared	
		UG	PG	UG	PG
1	June – 13	10390	394	7825	283
2	Dec – 13	796	-	684	-

TABLE 2.16: Total No of Students Admitted

Sl. No.	Course	Total No. of Students
1	Ph D	3
2	LLM (Maritime Law)	5
3	MBA (Port & Shipping Management)	18
4	MBA (International Transportation and Logistics Management)	52
5	M.Tech (Naval Architecture & Ocean Engineering)	17
6	M.Tech (Dredging & Harbor Engineering)	5
7	B.Tech (Marine Engineering)	574
8	B.Tech (Naval Architecture & Ocean Engineering)	39
9	B.Sc. (Ship Building and Repair)	41
10	B.Sc. (Nautical Science)	262
11	B. Sc. (Maritime Science)	21
12	PG Diploma in Marine Engineering	56
13	DNS leading to B.Sc (Nautical Science)	1283
Total		2376

TABLE 2.17 - Post-Sea Course Details–Chennai Campus

Sl. No.	Name of the Course	No. of Batches	No. of participants
Modular Courses			
1	Elementary First Aid	1	15
2	Fire Prevention & Fire Fighting	2	28
3	Personal Survival Techniques	2	28
4	Personal Safety & Social Responsibility	1	15
5	Oil Tanker Familiarisation	2	37
6	Ship Security Officer (SSO)	43	559
7	Company Security Officer (CSO)	12	15
8	Port Facility Security Officer (PFSO)	5	7
Sub Total (A)			704
Competency Courses			
1	Second Mate	5	15
2	First Mate PHASE – I	4	28
3	First Mate PHASE – II	3	28
4	Revalidation for Master	1	15
Sub Total(B)			86
Total (A+B)			790

2.3 Course Details

2.3.1 IMU- Kolkata Campus

The following post-sea courses were conducted in collaboration with FMIRO, Mumbai during 2013-2014 and 7726 participants attended the courses.

TABLE 2.18: Post-Sea Course: Deck Competency/Communication/Engineering Courses

Sl. No.	Name of the Course	No. of Batches	No. of Participants
1	2nd Mate Foundation (2MF)	05	11
2	2nd Mate FG Functional (2M)	06	213
3	Nautical Watch Keeping Officer (NCV)	03	95
4	1st Mate FG Phase I (1MP1)	04	152
5	1st Mate FG Phase II (1MP2)	04	133
6	Master FG ASM	06	113
7	Engineer's Revalidation/Upgradation (ERV)	12	26
8	Master' & Mates Upgradation	11	170
9	GMDSS (Indian)	12	132
10	MEO-II Preparatory	11	70
11	MEO-IV Preparatory	12	137
Sub Total		86	1252

TABLE 2.19: STCW Modular Courses

Sl. No.	Name of the Course	No. of Batches	No. of Participants
1	Advance Fire Fighting (AFF)	16	286
2	Fire Prevention and Fire Fighting (FPFF)	08	91
3	Proficiency in Survival Craft & Rescue Boat (PSCRB)	28	339
4	Personal Survival Techniques (PST)	06	87
5	Medical First Aid (MFA)	23	304
6	Medical Care (MEDICARE)	12	168
7	Passenger Ship familiarisation (PSF)	12	65
8	Personal Safety & Social Responsibility (PSSR)	11	135

9	Automatic Radar Plotting Aid (ARPA)	12	168
10	Radar Observer Course (ROC)	12	172
11	Oil Tanker Familiarisation (OTF)	14	148
12	Ship Security Officer (SSO)	53	1121
13	Port Facility Security Officer (PFSO)	01	01
14	Elementary First Aid (EFA)	10	85
15	Specialised Tanker Programme on Oil Tanker Operations	12	97
16	STSDSD	43	744
17	AFF (Refreshers)	22	321
18	FPPF (Refreshers)	21	313
19	MFA (Refreshers)	13	178
20	MEDICARE (Refreshers)	13	196
21	PST (Refreshers)	21	354
22	PSCRB (Refreshers)	24	383
23	SSO (Refreshers)	35	718
Sub Total		422	6474
Total		508	7726

2.3.2 Mumbai Campus

Table 2.20: Simulator Based Modular Courses

Sl. No.	Name of the Course	No. of Participants
1	Radar Observer Simulator (Rosco)	15
2	Automatic Radar Plotting Aid (Arpa)	15
3	Radar, Arpa & Navigation Simulator (Ransco)	16
4	Liquid Cargo Handling Simulator (Lchs)- Management Level	6
5	Liquid Cargo Handling Simulator (Lchs) - Operational Level	3
6	Global Maritime Distress Safety System (Gmdss)	12
7	Engine Room Simulator (Ers-Iv)	15
8	Engine Room Simulator (Ers-Ii)	15
9	Diesel Engine Combustion Gas Monitor Simulator (Degm – I)	8
Total		105

Table 2.21: Non-Simulator Based Modular Courses

Sl. No.	Name of the Course	No. of Participants
1	Proficiency In Survival Craft & Rescue Boat	24
2	Refresher Training For Proficiency In Survival Craft & Rescue Boat	24
3	Advanced Oil Tanker Safety	24
4	Advanced Chemical Tanker Safety	24
5	Advanced Gas Tanker Safety	24
6	Medical Care	24
7	Ship Security Officer	24
8	Security Training For Seafarers With Designated Security Duties	20
9	Company Security Officer	24
10	Port Facility Security Officer	24
11	Refresher & Updating Training (N & E)	40
12	Refresher & Updating Training (Up gradation)For Deck Officers (Operational Level)	40
13	Refresher & Updating Training (Up gradation)For Deck Officers(Operational Level, Management Level Phase –I)	
14	Refresher & Updating Training (Up gradation) For Deck Officers (Operational Level, Management Level Phase –I &II)	
15	Refresher & Updating Training (Up gradation) For Engineer Officers (Operational Level)	40
16	Refresher & Updating Training (Up gradation)For Engineer Officers (Management Level)	40
17	Indian Maritime Legislation	40
Total		436

Table 2.22: Competency Courses (Nautical - FG & NCV)

Sl. No.	Name of the Course	No. of Participants
1	Master (Fg) Advanced Shipboard Management	40
2	Chief Mate (Fg) Phase Ii	40
3	Chief Mate (Fg) Phase I	40
4	Chief Mate (Ncv) Phase I	40
5	Chief Mate (Ncv) Phase Ii	40
6	Master (Ncv) Advanced Shipboard Management	40
7	Second Mate (Fg)	40
8	Navigational Watch Keeping Officer (Ncv)	40
9	Second Mate Foundation	40
Subtotal		360

Table 2.23: Competency Courses (Marine Engineering)

Sl. No.	Name of the Course	No. of Participants
1	Marine Engineer Officer Class I	40
2	Marine Engineer Officer Class II	40
3	Marine Engineer Officer Class Iv (Ncv)	40
Total		120

2.3.3 Vishakhapatnam Campus**TABLE 2.24: Management Development Programme**

Sl. No.	Name of the Course	Period
1	Training Course on "Altair Refreshment" Training Course	2 Days (25.07.2013 –26.07.2013)
2	Work Shop on "Productivity in Ship Building &	1 Day (29.07.2013)
3	Training Program on "Energy Management & Audit by National Productivity Council", Hyderabad	5 Days (06.01.2014 – 10.01.2014)

2.3.4 Kolkata Campus

TABLE 2.25: On-Site Programmes

Sl. No.	Name of the Course	No. of Participants
1	Disciplinary Proceedings	27
2	e-tendering and e-procurement	17
3	PCS & POS	19
4	Management of Outsource and Contract Labour	17
5	ISPS Familiarisation	17
6	e-Tendering, e-Procedure & e-Payment	34
7	Right to Information Act	14
8	Export Management for Micro & Small Enterprises	24
9	Handling of Maritime Dangerous Goods	41
10	ISPS Familiarisation for Port Employees & Port Users	53
11	ISPS Familiarisation for Port Employees & Port Users	54
12	Harbour Engineering & Equipment Management for ALHW	11
Subtotal		328

TABLE 2.26: In Campus Programmes

Sl. No.	Name of the Course	No. of Participants
1	Critical issues in tender processing	4
2	Firefighting and life saving techniques	2
3	Establishment Rules and service regulations	2
4	Improving managerial effectiveness for Personal Secretary/Assistant	2
5	e-tendering and e-procurement	19
6	Export Import procedures	2
7	Management of labour	6

8	Total quality management & ISO Familiarisation	12
9	Workshop on sexual harassment in work place	9
10	Appraisal & monitoring of projects	3
11	Freight forwarding and customs procedures	6
12	Equipment operations and maintenance	4
13	Operational excellence through six sigma	2
14	Management of time & stress	2
15	Database management	3
16	Maritime dangerous cargo handling	2
17	Reservation directives for SC,ST, OBC & others	5
18	Effective communication	12
19	Enhancing Efficiency of PAs, PSs & other staff	10
20	Contract management	3
21	Administrative Vigilance	2
22	Ship shore interface for liquid bulk ISGOTT	7
23	Management of outsourcing & contract labour	4
24	Arbitration & Conciliation	6
25	IMDG code & hazardous cargo	10
26	Essential management skills	2
27	e-tendering & e-procurement & e-payment	1
28	Effective internal audit for ISO	3
29	Total Productive Maintenance for Plant & Equipment	3
Sub Total		148
Total		476

2.4. Seminars/ Papers Presented/ Publications / Research Activities Etc

IMU Vishakhapatnam Campus

TABLE 2.27: Seminars / Workshop /Conferences

SL.No	Faculty	Conference Title	Venue
1	Pradeep Jayasimha, Scientist B	ALTAIR Hyper works Technology Conference, 17-18 July, 2012Bengaluru.	Bengaluru
2	Madhu Joshi, A. Mukherjee,	Sixteenth National Congress on Corrosion Control, 23-25 Aug 2012	Kolkata
3	N. Madhu Kumar, Jr. Designer & Avinash	Third annual conference on Dredging in India– Needs and Requirements, Strategies and Solutions August 27-28, 2012,	ITC Maratha, Mumbai
4	Pradeep Jayasimha, Scientist B	Workshop on Practical Ship Hydrodynamics for Industrial Applications, IIT Extension Center, 9-10 November, 2012 Kolkata	Kolkata
5	Dr. J. Siva Durga Prasad	Dynamics of Co-operative Sector in India - Strategies to Strengthen, 14 -15th December, 2012,	Visakhapatnam
6	Pradeep Jaya Simha Bhavaraju etal	World Shipping Forum – 2013, 7-9 Feb 2013, Chennai	Chennai

TABLE 2.28: Papers Presented

Sl. No.	Name	Title of the Paper
1	Prof. S.C. Misra	“Feasibility Study and Design of Shallow Draught Ore Carriers for Inland Waterways”
2	B Pradeep Jaya Simha, Ch. Revathi and U. S. Ramesh	“Comparative study for Resistance of a bulk carrier using CFD”
3	B.V. Ramalingeswara Rao	“Estimation of Ship Velocity Using SAR Imagery”
4	U.S. Ramesh, Y. MaheshBabu and T. Kalyani	“Waste Heat Recovery Using (s-CO ₂) Power Cycle - Applications for Maritime Industry”
5	KVKRK. Patnaik and B. Chandrasekhar	“Planning and Feasibility Study of LNG Terminal for Visakhapatnam Port Trust”
6	KVKRK. Patnaik and B. Chandrasekhar	“Design of LPG terminal for Visakhapatnam port”
7	EswaraArun Kishore	“Carbon Emissions for Indian Railways”

8	Eswara Arun Kishore, Prof S.C. Misra, U.S. Ramesh and Avinash Godey	"Introduction to Natural Gas: A Comparative Study of Storage, Fuel Costs and Emissions for a Harbor Tug"
9	S.Padmashree and Prof. C. Sasikala	"Using Social Media and Mobile Technologies to Offer Special Services in a University Environment"
10	Arun E Kishore	Documentation manual for open source electrical & process drawing application - "QElec- troTech" with creative commons licensing.
11	KVKRK Patnaik	East India Coastal Current induced eddies and their interaction with tropical storms over Bay of Bengal"
12	KVKRK Patnaik and RRV Suresh	"Acoustic Estimation of Suspended Sediment Concentration From Turbidity in the Nearshore Areas off Visakhapatnam"
13	KVKRK Patnaik	"Coastal Hazards and Remedial Measures at Natural calamities – Disaster management"
14	U.S. Ramesh, Prof.S.C.Misra, Madhu Joshi and A. Mukherjee	"Failure Analysis of Antifouling Paints on Ships Hull"
15	Avinash Godey, Prof. S.C. Misra and O.P.Sha	"CFD Analysis for Analysis Free Ship Design"
16	Dr.RaviChandran, N.	"On Health Facility Disparities at PHC Level: A Comparative Study Between Andhra Pradesh and Bihar Published in the Journal: Humanities and Social Science Studies"
17	Dr. RaviChandran, N.	"On Role of NGOs in Basic Health Care and Education"

TABLE 2.29: Consultancy Projects Undertaken

Sl. No	Project No	Project Description	Client	Status
1	P033	Fixation of Reserve Price of Oil Barge II and Barge Aqua Queen	Visakhapatnam Port Trust	Completed
2	P035	Technical vetting of dry-dock package of rig, 'Sagar Vijay'	ONGC	Completed
3	P036	Design of Buoy Mooring	JNPT	Completed
4	P037	Concept Design of Coastal Research Vessels	NIOT	In Progress

5	P038	Fairing of Line Plan for a Platform Supply Vessel	Conceptia	Completed
6	P039	Feasibility Study on Conversion of RV"Samudra Manthan" into a Geo Scientific Musuem	Geological Survey of India	Completed

TABLE 2.30: Research Project / Studies Awaiting Sanction

SI No	Project Description	Project Sponsored	Status
1	Plan Scheme for Conducting Studies on "Feasibility Study of setting up of Marinas in West Cost of India"	Ministry of Shipping	In progress
2	Plan Scheme for Conducting Studies on "Study and Modernisation of Design and Construction of Country Craft operating in Coastal and River Waters"	Ministry of Shipping	In progress
3	Plan Scheme for Conducting Studies on "Emissions from Vessels operating in Indian Coast, Inland Waterways and Harbour Craft"	Ministry of Shipping	In progress
4	Plan Scheme for Conducting Studies on " Conducting Safety Assessment Studies on Passenger Vessels in Andaman Nicobar Islands, Lakshadweep Islands and Inland Waters"	Ministry of Shipping	In progress
5	Plan Scheme for Conducting Studies on "Market Study and Capacity Building for Indigenization of Dredger Manufacture	Ministry of Shipping	In progress
6	R&D Project on "Development of Standard Designs for Coastal and Short Sea Cargo Ships"	Ministry of Shipping	In progress
7	Plan Scheme for Conducting Studies on "Flow Around Ships in a Hydrodynamic Test Facility"	Ministry of Shipping	In progress
8	Plan Scheme for Conducting Studies on "Feasibility of Acoustic Remote Sensing Of Suspended Sediment Concentration in the near shore areas"	Ministry of Shipping	In progress

9	R & D Scheme on "Ship Manoeuvring and Propulsion Performance using Data from Voyage Data Recorder (VDR)/ Automatic Identification System(AIS)	IIT (Kharagpur) / Ministry of Shipping	In progress
10	R&D Project on "Study of antifouling Paint Behaviour Due to Loading and Flow Around Ship Hull"	Department of Science & Technology	In progress
11	Plan Scheme for "Conducting Studies on "Energy Consumption in Shipbuilding and Ship Dismantling"	Ministry of Shipping	In progress
12	R&D Project on "Energy Efficiency of Marine Power Plant"	Ministry of Shipping	In progress
13	Plan Scheme for Conducting Studies on "Productivity in Indian Shipbuilding Industry"	Ministry of Shipping	In progress
14	R&D Project on "Standard Design of Tug for 40,50 and 60T BP with alternative propulsion Systems	Ministry of Shipping	In progress
15	R&D Project on "Application of Flow calculations on vessels in Shallow and Restricted Waters	Naval Research Board	In progress

2.5 IMU Kolkata Campus

2.5.1 Seminars/ Workshops/ Conferences

- i. Workshop held on 27th October, 2013 for young Investors for final year cadets. Another Workshop on Financial Education held on 10th November, 2013 for final year cadets by SEBI.
- ii. The speaker Dr. Kalyan Mitra, Marine Engineering & Research Institute, IMU-Kolkata Campus delivered a lecture on "Recent Development of Marine Diesel Engine" in the Seminar at Institution of Engineers.
- iii. "Toxic Links" - A Seminar lecture delivered at Assembly Hall on 31.08.2013 by NGO Body on "Toxic Links" on establishing electronic waste channels to enhance environmental friendly recycling.

- iv. Guest Lecture delivered on 23.10.2013 by Anjan Mukherjee, Ex. Student, 1982 PO on “Maritime Matters and Opportunities” at Assembly Hall.
- v. An all India Seminar conducted by Institute of Engineers at Gokhale Road which was attended by Cadets of IMU-KC.
- vi. A Seminar on “Campus Interview Skills” was conducted by Vefa Amsha Education in the Assembly Hall on 15.02.2014.
- vii. A Seminar on “UK flag and the Newlook” was conducted at MMD, Kolkata by Institute of Marine Engineers, Maritime Coast Guard Agency and Department of Transport, Govt. of UK held on 24.02.2014.
- viii. Research Projects / consultancy works

2.6 IMU Mumbai Campus

TABLE 2.31: Seminars/ Workshops/ Conferences

Sr.No.	Date	Subject	Participants	Venue
1	22/04/2013 & 23/04/2013	Train the Trainer course on “Maritime piracy Humanitarian Response (MPHRP)”	Shri. Iqbal Khatib, Marine Engineering Faculty	SCI, Maritime Training Institute, Powai
2.	02/05/2013	Seminar on “Fostering Maritime Cooperation between Seafaring Communities”	Capt. E. Fernandes, Nautical Faculty Students of Ph II(FG & NCV) Course	INHS Ashwini Auditorium, Colaba
3.	10/08/2013	Bi-annual Seminar of the Company of Master Mariners of India on “Maritime Potpourri 2013”	Students of ASM(FG & NCV), Ph II (FG & NCV) Course	SCI, Maritime Training Institute, Powai
4.	10/02/2014 & 11/02/2014	Conference on Shipping Marine & Ports World Conference 2014	Shri. Iqbal Khatib, Marine Engineering Faculty	Bombay Convention & Exhibition Centre, Goregaon.

2.7 IMU Chennai Campus

TABLE 2.32: Consultancy

Sl.No	Particulars	Status
1	General Revision of Scale of Rates of JNPT for TAMP	Completed
2	Revision and Updation of Rules and Regulation, Recruitments Rules and Preparation of General Administration Manual for Kandla Port Trust	Ongoing

TABLE 2.33: Onsite Training Programme

Sl.No	Name of the Training Programme	Venue	No. of Participants
1	Disciplinary Proceedings(Role of IO and PO)	Paradip Port Trust	20
2	Establishment Rules	Kandla Port Trust	40
3	Awareness of ISO& ISPS Code	New Mangalore Port Trust	30
4	Handling of Dangerous Goods	New Mangalore Port Trust	30
5	RTI Act	Kandla Port Trust	30
6	Noting and Drafting	V.O.Chidambaranar Port Trust	30
7	Noting and Drafting	Ennore Port Trust	30
8	Administrative Vigilance	New Mangalore Port Trust	30
9	Administrative Vigilance	Paradip Port Trust	20
10	IMDG Code & Hazardous Cargo	Cochin Port Trust	20
11	Noting and Drafting	V.O.Chidambaranar Port Trust	20
12	RTI Act	Visakhapatnam Port Trust	20

2.7.1 Indian Economic Service Training Programme

- i. A training programme on Infrastructure Issues and Regulatory Framework was held at Cochin for Senior IES officers between 15.7.2013 and 19.7.2013 which was coordinated by Dr. A. Mourougane.
- ii. A training programme on Infrastructure Issues and Regulatory Framework was held at Chennai for Probationary IES officers between 22.7.2013 and 26.7.2013 which was coordinated by Dr.B. Swaminathan.
- iii. A training programme on Infrastructure Issues and Regulatory Framework was held at Chennai for Conferred IES officers between 04. 11.2013 and 9.11.2013 which was coordinated by Dr.B. Swaminathan.

2.7.2 Seminars/ Workshops/ Conferences

- i. Dr. Swaminathan & Dr. Sekar attended seminar on PPP on Infrastructure organized in New Delhi
- ii. Dr. Swaminathan, Dr. Sekar and Dr. Ramanand Yadav attended the Indian Economic Association's Conference in Chennai
- iii. Dr. Ramanand Yadav published an article on "A Study of Human Errors and Classification of Commonly Prevalent Errors in Shipping Operational Practices" in AMET International Journal of Management.
- iv. A conference on Maritime trade and security organized by the Stimson Centre , Washington DC and the Observer Research Foundation on June 10 and 11, 2014 in Chennai. Attended by the Coordinator, School of Maritime Law.
- v. School of Nautical Science conducted Coastal Cleaning, Blood donation camp, and live demo by using ABC class fire.
- vi. School of Marine Engineering and Technology organised National Safety day Celebration at Marine Engineering Workshop on 7th March '14.
- vii. School of Marine Engineering and Technology conducted a National Level Symposium "NATATORIAL -2013" on 24th& 25th Oct 2013

3. STUDENTS AMENITIES, EXTRA CURRICULAR ACTIVITIES AND WELFARE MEASURES

3.1 Common Welfare Facilities at All Campuses

3.1.1 Group Insurance for Students

Student's welfare is given top priority in IMU. All students under IMU are covered under group insurance provided by United Insurance Company. University contributes Rs 300/- (Rupees three hundred only) per student annually for a maximum risk cover upto Rs 2,00,000/- (Rupees two lakhs only) per student.

3.1.2 Residential Course Facility for DNS and B.Tech Courses

The hostel facility is compulsory for students of Diploma in Nautical Science leading to B.Sc. (Nautical Science) and B.Tech. (Marine Engineering), B.Tech. (Naval Architecture & Ocean Engg) and required infrastructure facilities are provided.

3.1.3 Campus Health Centre and Transport Facility

The University and Campuses maintain a Health Centre which provides medical assistance to students, teachers, non-teaching staff and their dependents. The University also offers transport facility to staff and school going children.

3.1.4 Women Empowerment

100% Tuition fee waiver were given to girl cadets (excluding expenditure on uniform, books, mess charges, INDOS, CDC, laundry charges etc.) joining B.Sc. (Nautical Science)/ B.Sc. (Maritime Studies)/ B.Tech. (Marine Engineering) degree course.

3.2 Amenities at Campuses

3.3 IMU- Chennai Campus

3.3.1 Placement Details

Department of Maritime Management achieved more than 90% Campus Placement for the first batch of MBA (PSM & ITL). Dr B. Swaminathan, Assistant Professor and Dr

A. Mourougane, Assistant Professor were in-charge of Campus placement activities. In B.Tech.(Marine Engineering) out of 53 eligible candidates, 15 got placement with reputed companies. From School of Maritime Law, 6 students were placed in reputed Shipping Companies and Maritime Law firms.

3.3.2 Extra Curricular Activities

- a) Official Language Cell celebrated Hindi fortnight between 1st to 15th October 2013 and five competitions were conducted as part of it and students and staff members participated actively in all five competitions. Certificate and awards were distributed to participants.
- b) National Cadet Corps (NCC): As NCC plays a pivotal role in the personality and overall development of the students, NCC (Naval Wing) of 4TN (Naval Wing) NCC Unit is attached with this University with a sanctioned strength of 50.

3.3.3 Functions Organized

University day was celebrated on 14th November 2013. Honourable Union Minister of Shipping Shri GK Vasan released the new logo of the University. Dr V Krishnamurthy, Chancellor, IMU also graced the occasion. The Independence Day, National Maritime Day and Republic Day, International Womens' day, etc were celebrated in the Campus. The School of Maritime Management organized "Estuary 2013" from 25th to 27th March 2013. Dignitaries such as Shri L Radhakrishanan, IAS, Chairman, Jawaharlal Nehru Port Trust, Mumbai, and Shri Bhaskarachar, Chairman and Managing Director, Ennore Port Trust Limited graced the occasion.

3.3.4 Lab Facilities

The Campus is equipped with all types of labs and workshops pertinent to undertake DNS, B.Sc (Nautical Science), B Tech Marine Engineering, Master of Law, MBA programmes and post sea courses. The Campus is equipped with 2 types of simulators to meet pre sea and post sea course requirements. The Campus also maintains a Digital Lab with a sitting capacity of 20 students.

3.3.5 Library

IMU Chennai Campus maintains a well-furnished library with the collection of 12500 books, 100 periodicals / Journals of repute and 12 Dailies. The library is fully air-conditioned with adequate sitting arrangements.

3.4 IMU- Mumbai Campus

The Indian Maritime University – Mumbai Campus comprises of three well known maritime institutions- the Marine Engineering & Research Institute (MERI, Mumbai); T S Chanakya and the LBS College

3.4.1 LBS Campus

- a) The Campus library has the membership strength of about 5000. The total number of books available is 6507 and 8 print journal are getting subscribed regularly.
- b) The Campus has adequate facilities for different types of games and sports including Table Tennis, Volley ball and basketball.
- c) The Campus has hostel accommodation availability for 509 residents.

A).Achievements By Faculty/ Students (Conferences Attended, Papers Presented)

The students are regularly meeting the attendance and assessment criteria for Competency & Modular courses conducted at LBS College of Advanced Maritime Studies & Research as per DGS guidelines.

TABLE 3.1: Seminars Attended by the Faculty and Students

Sr. No.	Date	Subject	Participants	Venue
1	22/04/2013 &23/04/2013	Train the Trainer course on "Maritime piracy Humanitarian Response (MPHRP)"	Shri. Iqbal Khatib, Marine Engineering Faculty	SCI, Maritime Training Institute, Powai
2.	02/05/2013	Seminar on "Fostering Maritime Cooperation between Seafaring Communities"	Capt.E. Fernandes, Nautical Faculty Students of Ph II(FG & NCV) Course	INHS Ashwini Auditorium, Colaba

3.	10/08/2013	Bi-annual Seminar of the Company of Master Mariners of India on "Maritime Potpourri 2013"	Students of ASM(FG & NCV), Ph II(FG & NCV) Course	SCI, Maritime Training Institute, Powai
4.	10/02/2014 & 11/02/2014	Conference on Shipping Marine & Ports World Conference 2014	Shri. Iqbal Khatib, Marine Engineering Faculty	Bombay Convention & Exhibition Centre, Goregaon.

TABLE 3.2: New Programmes Offered

SL NO.	NEW PROGRAMMES OFFERED.	DGS APPROVAL NO.	DURATION	FREQUENCY IN A YEAR	STRENGTH
1	Refresher Training for Proficiency in Survival Craft & Rescue Boat	TR/A/45/2013	4.5 hrs	52	24
		TR/A/8/2014	4.5 hrs	120	24
2	Security Training for Seafarers with Designated Security Duties Course	TR/A/98/2013	02 days	72	20
3	Global Maritime Distress Safety System (GMDSS)	TR/A/34/2012	12 days	12	12
4	Refresher & Updating Training (Upgradation) for Engineer Officers (Operational Level)	TR/A/52/2012	06 days	12	40
5	Refresher & Updating Training (Upgradation) for Engineer Officers (Management Level)	TR/A/53/2012	11 days	12	40

B) Hostel Facilities: There are hostel facilities available at the Campus to accommodate about 200 cadets both in MERI & LBS CAMSAR Hostels.

C) Welfare Activities: Respective State Governments provide state scholarships to reserved & economically weak cadets.

D) Placement: Most of the cadets of the PGDME are sponsored and cadets of B.Sc. (M.S.) are placed through Campus interview conducted by reputed shipping companies likes SCI, Essar, MOL, NYK etc.

3.5 IMU- Kolkata Campus

The Indian Maritime University – Kolkata Campus consists of two premier institutions- the Marine Engineering & Research Institute (MERI, Kolkata) and the Indian Institute of Port Management (IIPM, Kolkata).

3.5.1 Achievements of the Students

a) Cdt Anuj Srivastava awarded with Presidents Gold Medal, Presented by OSM/ Mitsui OSK./Wallems/DMET-73. Cadet SCC Lokendra Singh Chahal was Runners Up. Other award details are as follows:

TABLE 3.3: Students Performance in Extracurricular Activities

Sl No.	Prize	Eligibility	Presented by	Winner
1.	Highest Aggregate Prize	Securing 1 st Rank in FPO examination	DMET ex-Cadets Association	Cdt Smita Sharma
2.	2 nd highest aggregate prize	Securing 2 nd Rank in FPO examination	Wallems Ship Management Indian Register of Shipping DMET-1973 alumni	Cdt Vikas Kumar
3.	3 rd highest aggregate prize	Securing 3 rd Rank in FPO examination	Orient Ship Management DMET-1973 alumni IMARE	Cdt Anuj Srivastava
4.	Vice Chancellors Medal	For high academic record, excellence in all round activities, exemplary	Vice Chancellor of Indian Maritime University-Chennai	Cdt Smita Sharma

		discipline and dynamic qualities.		
5.	Director's Gold Medal	For the SCC who has shown sincerity, dedication to duty, high academic record and with the best officer like qualities.	Director, Indian Maritime University, Kolkata Campus	SCC. Amandeep Batra
6.	Wallem's Trophy	For the best "All round cadet" - Academics, Sports & extracurricular activities.	Wallem Ship Management Ltd.	Cdt Shubham Kathuria
7.	Most efficient SCC prize	For the most efficient Senior Cadet Captain of the 2007 Entry Batch.	Orient Ship Management	SCC Lokendra Singh Chahal
8.	Outstanding Activity prize	Outstanding contribution in rendering services to the Inst. & with a high academic record.	Nil	Nil
9.	Steam Engineering prize	For the highest marks in steam engineering in the Final year.	Orient Ship Management	Cdt Ram Naresh Yadav
10.	STCW prize	For the highest marks in the subject: STCW	Orient Ship Management	SCC Anuj Gupta

11.	D.C. Agnihotri Memorial Prize	Highest marks in Marine machinery system design	The Indian Register of Shipping (IRS)	Cdt Manish Kumar
12.	Marine Electrical Technology prize	Highest marks in Electrical Technology.	Wallems Ship Management	Cdt Amit Agarwal
13.	Naval Architecture prize	For the highest marks in Naval Arch	Wallems Ship Management	Cdts Ashish Kr. and Atulit Kumar
14.	Technical Aptitude prize	For the highest marks in Viva-voce	Orient Ship Mgmt.	SCC Amandeep Batra
15.	Marine Control & Automation prize	For the highest marks in Marine Control & Automation	Orient Ship Management	SCC Lokendra Singh Chahal
16.	Marine Machinery prize	For the highest marks in Marine Auxiliaries	Orient Ship Management	CdtRanjit Kumar
17.	Initiative prize	For the highest marks in power plant operation	Orient Ship Management	Cdt Deepak Singh
18.	Fire prevention & control prize	For the highest marks in ships fire prevention & control	Indian Register of Shipping (IRS)	SCC Lokendra Singh Chahal
19.	Elective Subject prize	For the highest marks in the Elective subject	Indian Register of Shipping (IRS)	SCC Lokendra Singh Chahal
20.	Ship operation & management	For the highest marks in ship operation & management	Orient Ship Management	Cdt Satya Ranjan Sahoo

21.	Internal Combustion Engine Prize	For the highest marks in the subject: internal Combustion Engines	Institution of Marine Engrs (India)	Cdt Ranjit Kumar
22.	Technical excellence prize.	Exemplary technical skills, creative potential, with consistently high Academic record.	Fleet Management Ltd.	SCC Anubhav Gautam
23.	Human Relations prize	Best qualities of human relations & personnel management	Orient Ship Management Mitsui OSK Lines.	SCC Shivam Vashist
24.	Cdt P Sarkar (4724) Memorial prize	The most popular cadet, who in the opinion of his batch mates is likely to make the best shipmate	Parents of late Cdt P Sarkar 4724	Cdt Shekhar Suman
25.	K Kishore Memorial Prize	Exemplary organizing skills, leadership quality, dedication & devotion to duty	Indian Register of Shipping	SCC Nitin Mahesh Kakwani
26.	Engineering Model Making prize	For the best Engineering model: Underwater Maintenance & repair Crawler	Inst. of Marine Engrs (India), Mitsui OSK lines O.S.M.	Cdt. Kapil Verma and team (12 cadets)
27.	Engineering Model Making prize	For the 2 nd best Engineering model: Super Eco Ship.	Inst. of Marine Engrs (India), Mitsui OSK lines O.S.M	Cdt Avneet Kumar and team (12 cdt)

28.	Technical & Environment Paper prize	For the best Technical & Environment paper project in the Final Yr. (T) Turbopak technology (E) Use of dispersants to treat oil spills.	Inst. of Marine Engrs (India)	Cdt. Saurabh Sinha and team
29.	Technical & Environment Paper team prize	For the 2 nd best Tech & Environment ppr project in the Final Yr. (T) Improved Thermal effy with enzyme D. Engine (E) Use of Hydrogen gas fuel	Inst. Of Marine Engrs (India)	Cdt. Kanhaiya Kumaran and team
30.	Diploma in Nautical Sciences- Academic performance. (DNS)	For standing 1 st in academics in the 2 batches: Feb-2011 & Aug-2011	DMET 1973 Alumni	Cdt Mahesh K Verma Cdt Akshay Singh
31.	Dedicated Services rendered to the Institute	by a cadet of the 2008 Entry BE Marine batch	DMET 1973 Alumni	SCC Abhishek Sharma
32.	Dedicated Services rendered to the Institute	by a cadet of the 2009 Entry BE Marine batch	DMET 1973 Alumni	CC Devendra Meel
33.	Dedicated Services rendered to the Institute	by a cadet of the 2010 Entry BE Marine batch	DMET 1973 Alumni	CC Gurpreet Singh

34.	Dedicated Services rendered to the Institute	by a cadet of the 2011 Entry BE Marine batch	DMET 1973 Alumni	Cdt Himanshu Phul
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TABLE 3.4: Cups & Shields Won by Students

Sl No.	Prize	Eligibility	Presented by	Winner
1.	Kumar Memorial Trophy	For showing exemplary devotion to duty during the year	Shri Lakshmaia Naidu in memory of his late father MK Kumar-PGM in 1955.	Mess Com members of the FPO batch
2.	Inter Sadan Athletic Championship Trophy	Winner Sadan	---	Raman Sadan
3.	Gidwani Memorial Trophy	To the final year cadet who is adj to have contributed most for promoting cultural & social activities during the training period.	Cdts of 1979 entry, in memory of their batch mate KK Gidwani.	Cdt Rahul Sengupta
4.	Lloyds Register challenge shield (running trophy)	For the most efficient Sadan	Lloyds Register of Shipping.	Froude Sadan SCC Lokendra Singh Chahal
5.	Victor Ludorum	For the best Athlete of the year	Shipping Corpn. Of India.(Trophy) OSM (cash)	Cdt Noorul Haque
6.	Shipping Corpn. of India shield	For the Runner-up contestant for the 'best athlete of the year'	Shipping Corpn. of India	Cdt Kumar Abhishek
7.	Cross country cup ('Marathon run')	For the winner cadet	Indian Register of Shipping	Cdt Vikas Sharma
8	Inter Year Football Trophy (running trophy)	For the Winner batch		MARCONI Cdt Deepak Sangwan

9.	Mrs Hannah Aron Joseph Memorial prize	For high academic record, discipline & excellent management calibre	DROCA-Dufferin & Rajendra Old Cadets Association	Jt winners: Cdt Vineet Choudhury & Cdt Gautam Chatterjee.
10.	The DROCA Prize	For exemplary services to the Institute	DROCA-Dufferin & Rajendra Old Cadets Association	SCC Utkarsh Mishra
11.	Running trophy for the Premier League Inter Year Cricket Tournament	For the Winner batch	Fleet Management Ltd. Hong Kong	Third Years (2010Entry) BE Cdt Abhinav
12.	Running trophy for the 'Most disciplined cadet' of the FPO batch.	To the cadet who has shown the best qualities required of a cadet in terms of class attendance, uniform, time schedules & courtesy to all.	Fleet Management Ltd. Hong Kong	Cdt Anuj Srivastava
13.	Inter Year Basketball tournament (Running Trophy)	For the Winner batch	Third Yrs. (2010 entry) BE	Capt. Pratchi Mallick

3.5.2 Functions Organized:

1. Workshop held on 27th October, 2013 for young Investors for final year cadets. Another Workshop on Financial Education held on 10th November, 2013 for final year cadets by SEBI.
2. The speaker Dr. Kalyan Mitra, Marine Engineering & Research Institute, IMU-Kolkata Campus delivered a lecture on "Recent Development of Marine Diesel Engine" in the Seminar at Institution of Engineers.
3. "Toxic Links" - A Seminar lecture delivered at Assembly Hall on 31.08.2013 by NGO Body on "Toxic Links" on establishing electronic waste channels to enhance environmental friendly recycling.

4. Guest Lecture delivered on 23.10.2013 by Anjan Mukherjee, Ex. Student, 1982 PO on "Maritime Matters and Opportunities" at Assembly Hall.
5. An all India Seminar conducted by Institute of Engineers at Gokhale Road which was attended by Cadets of IMU-KC.
6. A Seminar on "Campus Interview Skills" was conducted by Vefa Amsha Education in the Assembly Hall on 15.02.2014.
7. A Seminar on "UK flag and the Newlook" was conducted at MMD, Kolkata by Institute of Marine Engineers, Maritime Coast Guard Agency and Deptt. Of Transport, Govt. of UK held on 24.02.2014 .
8. Independence Day was celebrated with the entire cadets strength present for the flag-hoisting and National Anthem in front of the College building.
9. Observation of "Hindi Pakhawada".
10. Celebration of Gandhi Jayanti.
11. Anti-Dengue Measures: The Campus was thoroughly sprayed with anti-mosquito gas & spray through both Municipality and Private Organizations. The procedure has benefited the residents of the Campus significantly. This is now being done regularly.

3.5.3 Library

The mission of library is to support and supplement learning, teaching and research programmes. The MERI Unit has got a collection of around 16000 books and subscribes 50 print journals. IIPM Library has got a collection of approximately 7050 books, print journals- 20, book database (7050 approx.), Study Materials database (1087) and Video CDs- 75.

Lab and Simulator Facilities

a) MERI

- i) Additional Workshop facility to support the B. Tech Marine, DNS courses. Workshops with fitting shop, machine shop, welding shop, boiler shop, diesel shop etch are available.
- ii) Simulators Available:
 - a) Combustion Simulator,
 - b) Turbo-diesel Engine Software, and

- c) Officer on Watch Ship Maneuvering Simulator
- iii) Ship in Campus with full size propulsion engine, six cylinders is available.
- iv) Laboratories available are Mech. Lab, Hydraulic Lab, Electronic Lab, Fire Fighting Lab, Electrical Lab, Material Testing Lab, Language Lab, Boiler Chemistry Lab and Navigational lab.

b) IIPM

Three state-of-the-art simulators:

- (a) Transas GMDSS Simulator TGS 2000/3000,
 - (b) Decca Bridge Master and
 - (c) Multi-screen Ship Handling Simulator
- ii) Training ship "T.S. Bhopal".

3.5.4. Games& Sports /Extra curricula's

Following are the activities that have taken place during 2013-14.

- The cadets of IMU-KC have actively participated in various extracurricular activities. These activities are part and parcel of their 4-year training programme. The facilities provided by the Campus are intended to inculcate team spirit, camaraderie and a sense of belonging to the reputed Institution.
- Photography club, music, essay competition, cultural activities, different games (Indoor and Outdoor) etc. are offered by the campus and participated by the cadets.
- Sports activities conducted for Officers and Staff of IMU-Kolkata campus during February 2014. Active participation was encouraged for all members of the fraternity and Departmental staff.
- Cadets Sports and Athletics program was held during December 2013. Various sports activities were conducted. On Final day, awards were given.
- Marathon Run (12 Kms) was contested by all the cadets of the Institute.

3.5.5 Hostel Facilities

a) MERI

The hostels within the Campus consist of 6 separate buildings which have a design capacity of approx. 750 students. A separate hostel is provided for girl cadets. First phase of the New hostel block for OBC students is completed (G+1) and put into use for cadets (170 cadets are accommodated in the first phase of newly constructed OBC hostel).

The Campus also has a Dispensary along with an 8 bedded Infirmary with 24 x 7 medical assistance.

b) IIPM- Guest House

The Guest House is centrally located and well-furnished to cater to select outstation candidates for various programs. Accommodation for 31 cadets is provided in twin-sharing AC rooms with lounge, dining hall and other facilities. A portion of the Guest House has been temporarily converted into MBA Boys/Girls Hostel from the current academic year.

3.5.6 Placement

i) Placement records of B.Tech Marine Engg. 2010 entry batch:

Total no of cadets	No of cadets placed	Supplement Holder	Awaiting for placement (till 31.03.14)
193	134	39	20

ii) Placement records of DNS Cadets:

- a) On Campus placement - 06
- b) Off Campus placement – 07

3.5.7 Events & Visit of Dignitaries to the Campus

- Prof. Neil Bose, Principal, Australian Maritime College, University of Tasmania, delivered a lecture on 'Marine Renewable Energy' on 26.04.2013.
- Talent Search Contest held on 4th May, 2013 by Coca Cola India and Konnect.

- Press contest 2013 conducted by Times of India in Assembly Hall on 24th August, 2013.
- Model Making Competition and Hobby competition for all the boys of B. Tech (Marine Engineering) and DNS held on 5th April, 2013.
- Singing Competition held on 14.09.2013 in Assembly Hall.
- Visit by Shri S C Mishra, Director, IMU, Visakhapatnam Campus.
- World Maritime Day celebrated at National Library on 30th September, 2013.
- Vigilance Awareness Week – Essay contest held on 31.10.2013 for FPO batch
- Tempest was celebrated during 15.11.2013 to 18.11.2013.
- Final Passing Out parade and Guard of Honour followed by prize distribution ceremony held on 23.12.2013.
- The Vice Chancellor, IMU visited IMU-KC on 11.03.2014. He was given Guard of Honour.

3.6 IMU- Vishakhapatnam

3.6.1 Student's Achievements

1. November 2013 Cleared SSB Rounds to qualify for Indian Coast Guard by Nikhil Jha
2. Paper Presented by Naveen Korra on “Numerical Analysis of Boundary Layer Laminar Flow Over 2-D Aerofoil Section” at ISTAM – 2013. The Indian Society of the Theoretical and Applied Mechanics, 18-21 December 2013.
3. January 2014 Cleared SSB Rounds to Qualify Indian Navy by Prमित Kumar Sarkar.
4. Paper Presented by Shantanu and Sanmitra Guha on “Freedom and Rights of Young Adults in the Digital Age” at IARF – RFYN Annual Summit – 2014 IARF – Human Rights Resource Centre, 24th – 27th January 2014, India.
5. Paper Presented by Soumya Chakraborty and Kamal Palariya on “Concept Design of Inflatable Buoyancy Platform on RoRo Passenger Ships” at International Conference on Human Factors in Ship Design, RINA February 2014, London.

6. Paper Presented by Sudripto Khasnabis, Vishal Kr Jha, AviKunal on PRINTING SHIPS: A REALITY at IIT Kharagpur Annual NAOE Tech fest at "SAMUNDRAMANTHAN 2014" in March 2014.
7. Paper Presented by Tanumoy Sinha & H.Uday Bhaskar on "Human Errors Leading to Fire at Sea" at International Conference on Fire at Sea , RINA, 26-27th March 2014, London.

3.7 IMU–Cochin Campus

3.7.1 Functions Organized

- a) Passing out ceremony for the DNS cadets and B.Sc. SBR students.
- b) Celebration of University day.
- c) A function named "CYNOSURE" organized to promote the career opportunity and to give exposure to M.B.A. students with shipping industry.

3.7.2 Hostel Facilities

Hostel facility for pre sea cadets are available.

3.7.3 Welfare Activities

Insurance provided to the entire students by the HQ. Cochin Port Trust Hospital has given a concession in the consultation fee for the entire students of IMU - Cochin Campus for taking treatment at the Cochin Port Trust Hospital.

3.7.4 Achievements by Departments, Faculty, Students (Conferences Attended, Papers Presented, Prizes Won Etc.)

- a. Faculty together with MBA (PSM) students made Industrial Visit to Inland Container Depot (ICD), Whitefield in Bangalore.
- b. Faculty together with MBA (PSM) students made Industrial Visit to Port Blair Harbour of Andaman and Nicobar Islands.

- c. Faculty and students participated in “NAMEXPO 2013”, a conference organised in Cochin Port.
- d. Students together with faculty attended the Seminar conducted at CUSAT, at the occasion of 50th NMDC celebration
- e. Second year students of MBA (PSM) successfully completed their Internship at various companies.

3.7.5 Events Held by Departments/ Campus

- a. Independence Day and Republic day celebrations by the students and staff members.
- b. Participation of students and faculty in 50th NMDC celebrations at Darbar Hall ground graced by Shri. Oomman Chandy, Hon’ble Chief Minister of Kerala
- c. IMU day celebrations graced by Shri. K Mohanadas, Ex-Secretary, MoS and Shri. S. K. Shinha, Principal Officer, MMD, Kochi (Inter batch competitions on various events such as cultural, sports, quiz etc., were organised)
- d. Cultural activities and Onam celebrations by students and staff members
- e. Vigilance awareness week organised (debate, poster & slogan competitions among students and staff)
- f. Participation of students in Blood donation camp organised by Indian Medical Association at CIFNET, Kochi
- g. Presentation by students of B.Sc. (SBR) on the topics “Recourse Management” and “Classification of Ships”
- h. Guest Lecture delivered by Mr. S. Jeevan, CMD of Samudra Shipyard on the topic “Fibre Glass Boat Building”
- i. Guest Lecture delivered by Mr. Shammi K, Senior Surveyor of Indian Register of Shipping on the topic “Ship Building Industry, Rules and Regulations”
- j. Expert Lecture by Commander K M Zackaria on the topic “Exploitation of MS Excel”

3.7.6 EXTRACURRICULAR ACTIVITIES

- a) Students and faculty members participated in festival celebrations like Onam, Pongal, X-Mas, Holy, Durgashtami, Ramsan etc.

- b) Blood donation camps were organized by Indian Medical Association in the Campus.

3.8.1 Any Addition to Infrastructure

A. Library

The campus library has got about 2400 books. The library has facility to access online resources. The bibliographic details of the book are supported with software 'koha' and is accessible through intranet. The scanned documents such as previous questions and some useful resources are uploaded in Google site for the benefit of the students which are accessible through internet. Apart from this, 31 magazines and 12 print journals were subscribed. Library has a collection of 50 safety films also.

3.8.2 MOU/ Research Projects

- MOU signed with Cochin Shipyard Limited in order to facilitate training in Shipyard for B.Sc. (SBR) students.

3.9 IMU- Kandla Port Campus

Kandla Campus started functioning since 22nd August 2011 with 30 cadets for one year Diploma in Nautical Science Course. The Campus is located in Kandla Port Colony, New Kandla alongside Bhartiya Vidya Mandir School. 12.5 Acres of land has been allotted by Kandla Port Trust in the heart of Gandhidham for the development of new Campus.

3.9.1 Extracurricular Activities

The Campus has adequate facilities for ground and track activities. The students, in their leisure hours enjoy Carrom, Football, Cricket, Chess, badminton etc. The Campus also organised championships for various games and sports activities between 18th to 22nd November 2013 and the winners were given suitable rewards.

3.9.2 Lab Facilities

The following lab facilities available in the Campus:

- a) Computer lab
- b) Electronics lab
- c) Physics lab
- d) Chemistry lab
- e) Seamanship lab
- f) Navigation lab

3.9.3 Library Facilities

There are number of books in the library to meet the academic requirements of the DNS cadets.

3.9.4 HOSTEL FACILITIES

The Campus was allotted with 16 rooms by Kandla Port for three years on lease. Adequate facilities for dining and entertainment are available.

3.9.5 Events and Visits

- Ship visits in kandla were organised on bulk carrier, tanker and cargo ships on 17th august 2013, 21st September 2013 and 4thDecember 2013.
- Ship construction visit in mandvi was organised on 23rd October, 2013 where the cadets were exposed to construction of wooden ships.
- Epaulette ceremony for the DNS cadets was conducted on 7th September, 2013

4. FINANCE

- 4.1 The Financial year of the University corresponds to that followed by the Government of India i.e.1st April of the year to 31st March of the following year.
- 4.2 The Annual Accounts of the University is prepared on accrual basis and the University adopted the form of Non-Profit Organization Financial Statements.
- 4.3 The University received Rs.5598.45 Lakhs from Government of India for Plan Fund and Rs.138 Lakhs for Non-Plan Fund Expenditure during the year 2013-14.
- 4.4 The receipts of the University (all Campuses) during the year 2013-14 of Rs.9035.54 Lakhs mainly consist of :

Sl. No	Head of Account	Amount in Rs.(Lakhs)
1	Fees from Students	6843.63
2	Income from Consultancy	55.15
3	Interest Earned	1153.32
4	Miscellaneous and Others	983.44
	Total	9035.54

The Major Expenditure details are as follow:-

Sl. No	Head of Account	Amount in Rs.(Lakhs)
1	Establishment Expenses	2828.54
2	Other Administrative Expenses	4524.26
	Total	7352.80

APPENDIX- 1
MEMBERS OF COURT

<p>Vice Chancellor – Chairman Shri K.Ashok Vardhan Shetty, (from 2.1.2014 onwards)</p> <p>Capt. M. Baveja (in-charge from 01.04. 2013 to 01.01.2014) Indian Maritime University East Coast Road, Uthandi, Chennai – 600 119.</p>	<p>Shri S K Sarkar IMU Kolkata Campus MERI, P-19, Taratalla Road Kolkata -700088.</p>
<p>Dr P Vijayan Director/ IMU Chennai Campus East Coast Road, Chennai – 600 119.</p>	<p>Shri Rajeeva Prakash Institute In-charge IMU Mumbai (19.03.14) MERI Mumbai</p>
<p>Capt M Baveja Director, IMU Kandla Campus & Head INDOs Cell Indian National Database of Seafarers,3rd Floor, NauBhavan, 10, Ramji Bhai Kamani Marg,Ballard Estate, Mumbai 400 001.</p>	<p>Capt S C Panigrahy Institute In-charge IMU Mumbai LBS Camsar, Mumbai - 400033</p>
<p>Shri J K Dhar Director, IMU Mumbai Campus C/o. T S Chanakya , Karave, Nerul New Mumbai 400 706.</p>	<p>Dr. Gurudas Gupta Head SMM, IMU Chennai Campus East Coast Road, Uthandi, Chennai – 600 119</p>
<p>Prof S C Misra Director, IMU Visakhapatnam Campus C/o. National Ship Design & Research Centre, Gandhigram Visakhapatnam 530 035.</p>	<p>Dr. Dashrath IMU Mumbai C/o. T S Chanakya , Karave, Nerul New Mumbai 400 706.</p>
<p>Shri M K Ghosh Director IMU Kolkata Campus MERI, P-19, Taratalla Road, Kolkata – 700 043 Kolkata -700088.</p>	<p>Shri C P Balaji HOD ME, IMU Chennai Campus East Coast Road, Uthandi, Chennai – 600 119</p>
<p>Dr C B Sudheer Director, IMU Cochin Campus,T raining Centre Complex, Cochin Port Trust, Willingdon Island, Cochin 682009.</p>	<p>Dr B V Ramalingeswara Rao C/o. National Ship Design & Research Centre, Gandhigram Visakhapatnam 530 035.</p>

<p>Capt V Pardhasaradhi HOD NS, IMU Chennai Campus East Coast Road, Uthandi, Chennai – 600 119</p>	<p>Shri Atulya Misra Chairman, Chennai Port Trust RajajiSalai Chennai – 600 001.</p>
<p>Shri R Radhakrishnan OSD/ Registari/c (upto 14.10.2012)</p> <p>Cdr. M Anand (from 15.12.2012) Registrar Indian Maritime University East Coast Road, Uthandi, Chennai – 600 119.</p>	<p>Shri James K. Joseph Silver Oak, PTP Nagar Trivandrum – 695 038 Kerala</p>
<p>Shri S. Vasudevan (from 17.12.12) Finance Officer, Indian Maritime University</p> <p>Shri V Palani (Upto 16.12.12) Finance Officer i/c, Indian Maritime University</p>	<p>Shri. P.M. Abraham, TC-IV/1996, Mummy's Colony, Kawdiar, Thiruvananthapuram - 695 003.</p>
<p>Shri M C Jauhari, I.A.S. Joint Secretary (Shipping), Ministry of Shipping, 1, Transport Bhawan, New Delhi - 110 001.</p>	<p>Prof. R. Sundaravadivelu, Department of Ocean Engineering Indian Institute of Technology, Madras IIT Post Office Chennai - 600 036.</p>
<p>Shri Goutam Chatterjee, IAS Director General of Shipping JahazBhawan, W.H. Marg, Mumbai - 400 001.</p>	<p>Shri Anil Singh Sr. Vice President & Managing Director Indian Subcontinent DP World Darabshaw House Level 1 Narottam Morarji Road Ballard Estate, Mumbai – 400 001.</p>
<p>Dr (Ms) T Kumar, IAS Addl Secretary & Financial Adviser Ministry of Shipping 1, Transport Bhawan New Delhi - 110 001.</p>	<p>Shri Ram Subhag Singh Joint Secretary (Navy) Ministry of Defence, 198-B, South Block New Delhi – 110 001.</p>
<p>Shri AjeyaKallam Chairman, Visakhapatnam Port Trust, Visakhapatnam 530 035, Andhra Pradesh [Indian Ports Association 1stFlr. South, Tower, NBCC Place Bhisham Pitamah Marg, Lodi Road New Delhi 110 003]</p>	<p>The Principal Euro Tech Maritime Academy. Opp. TVS Deshabhimani Jn., Kaloore Cochin – 682 017</p>

II MEMBERS OF EXECUTIVE COUNCIL

<p>Chairman Shri K. Ashok Vardhan Shetty . (from 02.01.2014 onwards) Vice Chancellor</p> <p>Capt. M. Baveja (upto 01.01.2014) Vice Chancellor i/c Indian Maritime University ECR, Uthandi CHENNAI – 600 119.</p>	<p>Shri M C Jauhari, IAS Joint Secretary (Shipping), Ministry of Shipping, 1, Transport Bhawan, New Delhi - 110 001.</p>
<p>Shri Gautam Chatterjee, IAS Director General of Shipping Directorate General of Shipping, 9th Floor, Beta Building i-Think Techno Campus Kanjur Marg (East)Mumbai – 400 042.</p>	<p>Dr (Ms) T Kumar, IAS Addl Secretary & Financial Adviser Ministry of Shipping, 1, Transport Bhawan, New Delhi - 110 001.</p>
<p>Shri Paul Antony, IAS Chairman Cochin Port Trust Willingdon Island Cochin – 682 009.</p>	<p>Shri Atulya Misra, IAS Chairman, Chennai Port Trust RajajiSalai Chennai – 600 001.</p>
<p>Shri James K Joseph (resigned on 27.07.2013) Silver Oak, PTP Nagar Trivandrum – 695 038.</p>	<p>Shri P M Abraham TC-IV/1996 Mummy's Colony, Kawdiar Thiruvananthapuram – 695 003.</p>
<p>Prof R Sundaravadivelu (resigned on 27.07.2013) Department of Ocean Engineering Indian Institute of Technology, Madras IIT Post Office Chennai – 600 036.</p>	<p>Shri Anil Singh Sr. Vice President & Managing Director Indian Subcontinent DP World Darabshaw House Level 1 Narottam Morarji Road Ballard Estate, Mumbai – 400 001.</p>
<p>Shri Ram Subhag Singh Joint Secretary (Navy) Ministry of Defence 198-B, South Block NEW DELHI – 110 001.</p>	<p>Shri J K Dhar Director, IMU Mumbai C/o. T S Chanakya , Karave, Nerul New Mumbai 400 706.</p>
<p>Dr P Vijayan Director, IMU Chennai Campus Indian Maritime University East Coast Road, Uthandi Chennai – 600 119.</p>	<p>Prof S C Misra (upto 11.09.2013) Director, IMU Vishakhapatnam,</p>
<p>The Principal Euro Tech Maritime Academy. Opp. TVS Deshabhimani Jn., Kaloor COCHIN – 682 017</p>	<p>The Principal GKM College of Engg &Tech. Alapakkam – Mappedu Road, GKM Nagar, New Perungalathur Chennai-600 063.</p>

<p>The Principal Park Maritime Academy Avinashi Road (NH-47) KANIYUR (PO) COIMBATORE – 641 659.</p>	<p>Dr A Kalanidhi Former Vice Chancellor of Anna University 19, Second Street East Abhiramapuram Mylapore Chennai – 600 004.</p>
<p>Dr. (Tmt) J. Uma Maheswari Joint Secretary to Government of Tamil Nadu Higher Education Department Secretariat, Fort St. George, CHENNAI – 600 009.</p>	<p>Member Secretary Cdr M Anand (upto 27.06.2013). Registrar</p> <p>Shri S. Vasudevan (upto 15.07.2013) Registrar i/c</p> <p>Shri Sanjay Mital (upto 28.02.2014) Registrar i/c</p> <p>Dr. S.K. Balasundaram (upto 13.03.2014) Registrar i/c</p> <p>Shri C. Mohan (from 14.03.2014) Registrar Indian Maritime University ECR, Uthandi CHENNAI – 600 119.</p>

III MEMBERS OF ACADEMIC COUNCIL

<p>Shri K. Ashok Vardhan Shetty, Vice Chancellor Chairman (from 2.1.2014 onwards)</p> <p>Capt. M. Baveja(in-charge upto 19.07.12)</p>	<p>Dr. Ramalingeswar Rao, IMU Visakhapatnam Campus C/o. National Ship Design & Research Centre, Gandhigram, Visakhapatnam 530 035.</p>
<p>Shri A. Banerjee Chief Surveyor Directorate General of Shipping, Jahaz Bhawan, W.H. Marg, Mumbai - 400 001</p>	<p>Dr. Gurudas Gupta, Head, School of Maritime Management, IMU Chennai, East Coast Road, Uthandi, Chennai – 600 119.</p>
<p>Capt. L K Panda Nautical Advisor Directorate General of Shipping, Jahaz Bhawan, W.H. Marg, Mumbai - 400 001</p>	<p>Capt. V. Parthasarathy Head, Nautical Science, IMU Chennai, East Coast Road, Uthandi, Chennai – 600 119.</p>
<p>Captain M. Baveja Director, IMU Kandla Campus & Head INDos Cell Indian National Database of Seafarers, 3rd Floor, Nau Bhavan, 10, Ramji Bhai Kamani Marg, Ballard Estate, Mumbai 400 001.</p>	<p>Shri C.P. Balaji Head, Marine Engineering, IMU Chennai, East Coast Road, Uthandi, Chennai – 600 119.</p>
<p>Shri J.K. Dhar Director, IMU Mumbai Campus C/o. T S Chanakya , Karave, Nerul New Mumbai 400 706.</p>	<p>Shri P.K. Balan Managing Trustee, M/s. ChamiVadhyar Marine Training Institute North Village, Puthucode – 678 687 Palakkad, Kerala.</p>
<p>Dr. P. Vijayan, Director, IMU Chennai Campus East Coast Road, Uthandi, Chennai – 600 119.</p>	<p>Capt. K.N. Deboo Director & Principal, Anglo Estern Maritime Academy Ltd. 50, Karmayo g Building, Parsi Panchayat Road, Andheri East, Mumbai – 400 069.</p>
<p>Prof. S.C. Misra (upto Feb 2013) Director, IMU Visakhapatnam Campus C/o. National Ship Design & Research Centre, Gandhigram, Visakhapatnam 530 035</p>	<p>Capt. Pradeep Correa General Manager, The Great Eastern Shipping Co. Ltd., Ocean House, 134/A, Dr. Annie Besant Road, Worli, Mumbai – 400 018.</p>
<p>Shri M.K. Ghosh Director IMU Kolkata Campus MERI, P-19, TARATALLA ROAD, Kolkata-700088.</p>	<p>The Principal, Aquatech Institute of Maritime Studies Plot No.7 Road No.1, Silver Oak Marg Ghitorni, New Delhi-110030</p>

<p>Dr. C.B. Sudheer, Director, IMU Cochin Campus, Training Centre Complex, Cochin Port Trust, Willingdon Island, Cochin 682009.</p>	<p>The Principal, Yak Educational Trust 301 Gauri Complex, Sector – 11, CBD Belapur, Navi Mumbai – 400614.</p>
<p>Cdr M Anand (upto 27.06.2013). Member Secretary Registrar</p> <p>Shri S. Vasudevan (upto 15.07.2013) Registrar i/c</p> <p>Shri Sanjay Mital (upto 28.02.2014) Registrar i/c</p> <p>Dr. S.K. Balasundaram (upto 13.03.2014) Registrar i/c</p> <p>Shri C. Mohan (from 14.03.2014) Registrar Indian Maritime University ECR, Uthandi CHENNAI – 600 119.</p>	

IV MEMBERS OF PLANNING BOARD

<p>Shri K. Ashok Vardhan Shetty, Vice Chancellor Chairman (from 2.1.2014 onwards)</p> <p>Capt. M. Baveja(in-charge upto 19.07.12) .</p>	<p>Dr S Kathirolu Chief Scientist National Institute of Ocean Technology, NIOT Campus, Velachery-Tambaram Main Road, Pallikaranai, Chennai -601 302.</p>
<p>Shri P K Sinha Secretary Ministry of Shipping or his nominee not below the rank of a Joint Secretary</p>	<p>Dr K Gunasekaran Additional Secretary-I & Director (Admn) University Grants Commission Bahadur Shah Zafar Marg New Delhi 110 002.</p>
<p>Dr (Ms) T Kumar Addl. Secy. & Financial Adviser Ministry of Shipping Or her nominee not below the rank of a Joint Secretary</p>	<p>Dr A Kalanidhi Former Vice Chancellor Anna University No.25, ISTE Professional Centre Opp. Anna Centenary Library Kotturpuram Chennai – 600 025.</p>
<p>Shri Goutam Chatterjee, IAS Director General of Shipping, Jahaz Bhawan, W.H. Marg, Mumbai - 400 001.</p>	<p>Cdr M Anand (upto 27.06.2013). Registrar Shri S. Vasudevan (upto 15.07.2013) Registrar i/c Shri Sanjay Mital (upto 28.02.2014) Registrar i/c Dr. S.K. Balasundaram (upto 13.03.2014) Registrar i/c Shri C. Mohan (from 14.03.2014) Registrar Indian Maritime University ECR, Uthandi CHENNAI – 600 119.</p>
<p>Shri Ram Subhag Singh Joint Secretary (Navy) Ministry of Defence 198-B, South Block New Delhi – 110 001.</p>	

V MEMBERS OF BOARD OF AFFILIATION AND RECOGNITION

<p>Shri K. Ashok Vardhan Shetty, Vice Chancellor Chairman (from 2.1.2014 onwards)</p> <p>Capt. M. Baveja(in-charge upto 19.07.12)</p>	<p>Capt. M. Baveja Head, Department of Nautical Science IMU Chennai Campus East Coast Road, Uthandi, Chennai – 600 119.</p>
<p>Shri V. Ganapathi Rao Vice President Technical Goodearth Maritime Limited 5thFLo, Tower 2, TVH Beliciaa Towers 94, MRC Nagar Chennai 600 028.</p>	<p>One Representative of Directorate General of Shipping from Nautical</p>
<p>Shri. Anjan Mukherjee Managing Director Hyca Technologies Pvt. Ltd. 176, Udyog Bhawan Sonawala Road, Goregaon East Mumbai - 400 063.</p>	<p>One Representative of Directorate General of Shipping from Engineering</p>
<p>Shri J.K. Dhar Director incharge of IMU Mumbai Campus IMU Mumbai Campus C/o T.S. Chankya Karave, Nerul Navi Mumbai - 400 706.</p>	<p>Shri M Anand (from 15.10.12) Registrar Indian Maritime University ECR, Uthandi CHENNAI – 600 119.</p>

VI MEMBERS OF FINANCE COMMITTEE

<p>Shri K. Ashok Vardhan Shetty, Vice Chancellor Chairman (from 2.1.2014 onwards)</p> <p>Capt. M. Baveja(in-charge upto 19.07.12)</p>	<p>Shri K P Lakshmana Rao, IA & AS (Retd.) Former Additional Deputy Comptroller & Accountant General 64 Shankaran Avenue Velachery, Chennai- 600 042</p>
<p>Dr (Ms) T Kumar Additional Secretary & Finance Adviser, Ministry of Shipping , Transport Bhavan, No.1, Parliament Street New Delhi – 110 001.</p>	<p>Shri AtulyaMisra Chairman, Chennai Port Trust RajajiSalai Chennai – 600 001</p>
<p>Shri A Balasubramanian Senior Director, IDFC Ltd., KRM Tower, 8th Floor 1, Harrington Road, Chetpet, Chennai – 600031.</p>	<p>Shri James K. Joseph Silver Oak, PTP Nagar Thiruvananthapuram – 695 038 Kerala.</p>
<p>Shri S N Srikanth Founder and Senior Partner Hauer Associates Sun House, 90, C.P. Ramaswamy Road Alwarpet, Teynampet, Chennai – 600018</p>	<p>Prof. R. Sundaravadivelu, Department of Ocean Engineering Indian Institute of Technology, Madras, IIT Post Office Chennai - 600 036</p>
<p>The Joint Secretary (Shipping) Ministry of Shipping Govt. of India Transport Bhawan 1, Parliament Street New Delhi – 110 001.</p>	<p>Shri S. Vasudevan (from 17.12.12) Finance Officer Shri V Palani (In-charge Up to 16.12.12) Hon. Secretary Finance Officer IMU, Chennai. East Coast Road, Uthandi, Chennai – 600 119.</p>
<p>Dr. A. Kalanidhi Former Vice Chancellor of Anna University 19, Second Street East Abhiramapuram Mylapore Chennai – 600 004.</p>	<p>Dr. (Tmt) J. Uma Maheswari Joint Secretary to Government of Tamil Nadu Higher Education Department Secretariat, Fort St. George, Chennai – 600 009.</p>
<p>The Principal GKM College of Engg &Tech. Alapakkam – Mappedu Road GKM Nagar, New Perungalathur Chennai-600 063</p>	<p>The Principal, Park Maritime Academy Avinashi Road (NH-47) Kaniyur (po) Coimbatore – 641 659</p>

VII IMUCAMPUSES

Sl. No	Campus	Address
1	IMU Chennai campus	East Coast Road, Uthandi Chennai-600119, TamilNadu.
2	IMU Mumbai Campus	T.S.Chanakya Karave, Nerul, NewMumbai400706 Maharashtra
		MERI, Hay bunder Road Mumbai-400033, Maharashtra
		LBS, Hay bunder Road Mumbai-400033, Maharashtra
3.	IMU Kolkata Campus	IIPM,40 Circular Garden Reach Road Kolkata-700043, West Bengal.
4.	IMU Vishkapatnam Campus	Gandhigram, Visakhapatnam-530035 Andhra Pradesh
5.	IMU Kochin Campus	IMU Cochin-Main Campus (Located on NH47-A), Near Alexander Parambithara Bridge, Willingdon Island-Southend, Reclamation Area, Cochin-682003, Kerala.
6.	IMU Kandla Campus	IIPM,40 Circular Garden Reach Road Kolkata-700043, West Bengal.