



भारतीय समुद्री विश्वविद्यालय  
**INDIAN MARITIME UNIVERSITY**

**ANNUAL REPORT**

**2021-22**

**VISITOR**

Shri. RAM NATH KOVIND  
Hon'ble President of India

**CHANCELLOR**

Shri. P. SHANKAR  
(Former Central Vigilance Commissioner of India)

**VICE CHANCELLOR**

Dr. (Mrs) MALINI V SHANKAR, IAS (Retd.)

**REGISTRAR**

Shri. K. SARAVANAN  
[22.03.2022 till date]

**REGISTRAR (i/c)**

Shri. K. SARAVANAN  
[From 01.04.2021 to 21.03.2022 (A/N)]

**FINANCE OFFICER (i/c)**

Shri. M. SARAVANAN

**CONTROLLER OF EXAMINATIONS (i/c)**

Shri. G. R. GIRIDHARAN

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## 1. Introduction

a. 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:

- i. Training Ship Chanakya, Mumbai (T.S. Chanakya)
- ii. Marine Engineering and Research Institute (MERI), Mumbai
- iii. Marine Engineering and Research Institute (MERI), Kolkata
- iv. Lal Bahadur Shastri Centre for Advanced Maritime Studies (LBSCAMSAR), Mumbai
- v. National Maritime Academy (NMA), Chennai
- vi. Indian Institute of Port Management (IIPM), Kolkata
- vii. National Ship Design and Research Centre (NSDRC), Visakhapatnam

Institutes No. (i) to (iv) were Central Government Institutes

Institutes No. (v) to (vii) were 'Registered Societies'.

b. Prior to 14.11.2008, Institutes T.S. Chanakya, MERI-Mumbai and MERI-Kolkata were undergraduate colleges. T.S. Chanakya was affiliated to Mumbai University for the 3-year B. Sc (Nautical Science) programme and to IGNOU for the 1-year Diploma in Nautical Science (DNS) programme. 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) programme through which Mechanical Engineers can take up sailing career.

- a. MERI, Kolkata was affiliated to Jadavpur University for the 4-year B. Tech (Marine Engineering) programme. LBSCAMSAR, Mumbai was a training institution offering short-term Post-Sea training programmes to seafarers. NMA, Chennai and IIPM, Kolkata were training institutions offering short-term programmes to Port officers. NSDR, Visakhapatnam was a research organization.
- b. Headquartered in Chennai, IMU now has 6 Campuses located at Chennai, Kochi, Kolkata, Mumbai, Navi Mumbai and Visakhapatnam. The erstwhile institute T. S. Chanakya became the Navi Mumbai Campus and the erstwhile institute MERI Mumbai & LBS CAMSAR became the Mumbai Port Campus respectively; the erstwhile institutes MERI Kolkata & IIPM 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.

## **2. Objectives of the University**

- a. To facilitate and promote maritime studies, training, research and extension work with focus on emerging areas of studies like oceanography, maritime history, maritime law, 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.

- b. 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.
- c. 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.
- d. 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
- e. 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. Academics

- a. During the Academic Year 2021-22, the following Under Graduate (UG) programmes were offered:

#	Name of the Programme	Duration of the Programme	Campuses where the Programmes offered
1.	B. Tech (Marine Engineering) [B. Tech (ME)]	4 years	<ul style="list-style-type: none"><li>• Chennai</li><li>• Kolkata</li><li>• Mumbai Port</li></ul>
2.	B. Tech (Naval Architecture & Ocean Engineering) [B. Tech (NA&OE)]	4 Years	<ul style="list-style-type: none"><li>• Visakhapatnam</li></ul>
3.	B. Sc. (Nautical Science) [B.Sc. (NS)]	3 Years	<ul style="list-style-type: none"><li>• Chennai</li><li>• Kochi</li><li>• Navi Mumbai</li></ul>
4.	B.B.A (Logistics, Retailing and e-commerce) [B.B.A (LR&E)]	3 Years	<ul style="list-style-type: none"><li>• Chennai</li><li>• Kochi</li></ul>
5.	Diploma in Nautical Science [DNS]	1 Year	<ul style="list-style-type: none"><li>• Chennai</li><li>• Navi Mumbai</li></ul>

- b. During the Academic Year 2021-22, the following Post Graduate (PG) programmes were offered:

#	Name of the Programme	Duration of the Programme	Campuses where the Programmes offered
1.	M. Tech (Naval Architecture & Ocean Engineering) [M. Tech (NA&OE)]	2 years	<ul style="list-style-type: none"><li>• Visakhapatnam</li></ul>
2.	M. Tech (Dredging & Harbour Engineering) [M. Tech (D&HE)]	2 years	<ul style="list-style-type: none"><li>• Visakhapatnam</li></ul>
3.	M. Tech (Marine Engineering and Management) [M. Tech (ME&M)]	2 Years	<ul style="list-style-type: none"><li>• Kolkata</li></ul>

4.	M.B.A (Port & Shipping Management) [M.B.A (P&SM)]	2 Years	<ul style="list-style-type: none"> <li>• Chennai</li> <li>• Kochi</li> </ul>
5.	M.B.A (International Transportation & Logistics Management) [M.B.A (IT&LM)]	2 Years	<ul style="list-style-type: none"> <li>• Chennai</li> <li>• Kochi</li> <li>• Kolkata</li> <li>• Visakhapatnam</li> </ul>
6.	Post Graduate Diploma in Marine Engineering [PGDME]	1 Year	<ul style="list-style-type: none"> <li>• Mumbai Port</li> </ul>

c. Ph.D. and M.S. (By Research) programmes were offered in IMU Chennai, Kolkata, Navi Mumbai and Visakhapatnam Campuses.

**d. Schools and Boards of the University:**

- i. School of Marine Engineering & Technology (SMET)
- ii. School of Nautical Studies (SNS)
- iii. School of Naval Architecture & Ocean Engineering (SNAOE)
- iv. School of Maritime Management (SMM)
- v. School of Allied Studies
- vi. School of Naval Studies
- vii. Board of Research Studies

**e. Affiliated Institutes:**

- i. 17 Maritime Training Institutes are affiliated to IMU as on 31.03.2022.  
The State-wise break-up is as follows:

Tamil Nadu	4	Andaman & Nicobar	1
Maharashtra	7	Uttar Pradesh	1
New Delhi	2	Kerala	2

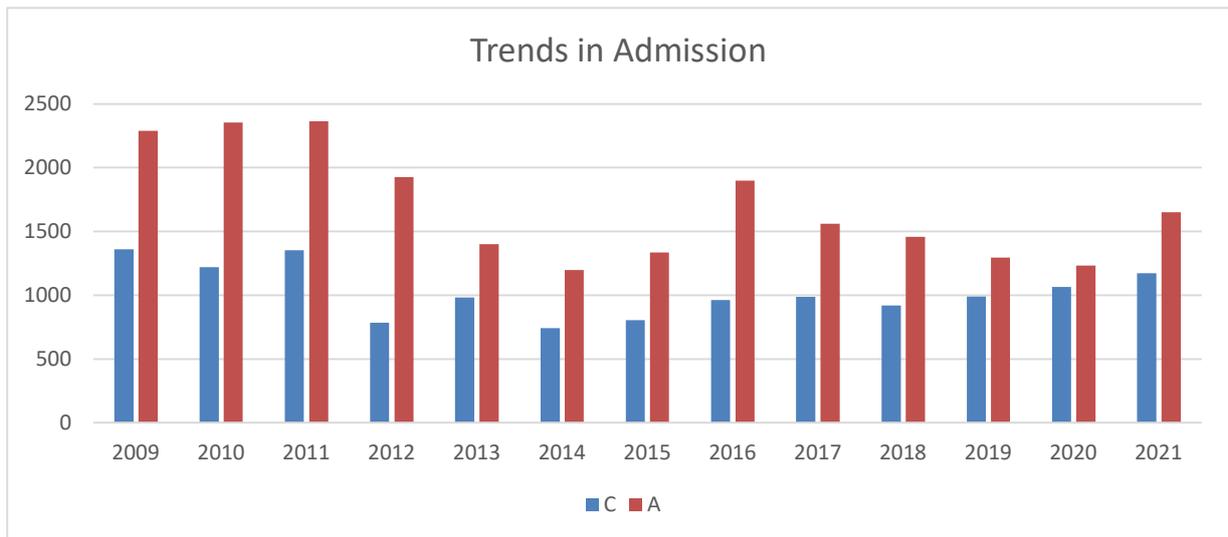
ii. The details of the various Affiliated Institutes are given below:

#	Institute Name	State	Programmes Offered	No. of Sanctioned Seats
1	Anglo Eastern Maritime Academy, Mumbai	Maharashtra	DNS	160
2	Applied Research International, New Delhi	New Delhi	DNS	120
3	Coimbatore Marine College, Coimbatore	Tamil Nadu	B. Tech (ME)	80
4	College of Ship Technology, Palakkad	Kerala	B.Sc. (SBR)	40
5	Dr. B R Ambedkar Institute of Technology, Port Blair	Andaman & Nicobar	DNS	30
6	Euro Tech Maritime Academy, Cochin	Kerala	B. Tech (ME)	80
7	HIMT College, Kilpauk, Chennai	Tamil Nadu	B. Tech (ME)	80
			B.Sc. (NS)	80
8	International Maritime Institute, Noida	Uttar Pradesh	DNS	120
			B. Tech (ME)	80
9	Maritime Training Institute, (SCI) Mumbai	Maharashtra	DNS	120
10	RL Institute of Nautical Sciences, Madurai	Tamil Nadu	B. Tech (ME)	120
11	Samundra Institute of Maritime Studies, Mumbai	Maharashtra	DNS	120
			B. Tech (ME)	40
12	Shriram Institute of Marine Studies, New Delhi	New Delhi	DNS	40
13	Southern Academy of Maritime Studies, Chennai	Tamil Nadu	DNS	40
14	The Great Eastern Institute of Maritime Studies, Mumbai	Maharashtra	DNS	80
15	Tolani Maritime Institute, Pune	Maharashtra	DNS	120
			B.Sc. (NS)	80
			B. Tech (ME)	240

16	Training Ship Rahman, Mumbai	Maharashtra	DNS	120
17	Yak Education Trust, Mumbai	Maharashtra	DNS	120
<b>Grand Total</b>				<b>2110</b>

## 5. Admissions

- a. The details of admissions to IMU Campuses and Affiliated Institutes since 2009-10 are given in the Table below:



	C-IMU Campus					A – IMU Affiliated Institutes							
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
C	1361	1222	1353	785	982	743	805	962	988	922	990	1066	1173
A	2289	2355	2364	1928	1402	1198	1336	1899	1561	1458	1297	1233	1650

- b. The programme-wise details of admissions to IMU Campuses are given in the table below:

<b>Programme-wise details of admissions to IMU Campuses-2021-22</b>				
<b>#</b>	<b>Name of the Programme</b>	<b>Sanctioned Strength</b>	<b>No. of Students Admitted</b>	<b>Percentage of Students Admitted</b>
<b>UG Programmes</b>				
1	Diploma in Nautical Science Leading to B.Sc. (Applied Nautical Science)	70	70	100%
2	B.Sc. (Nautical Science)	335	335	100%
3	B.B.A (Logistics, Retailing and e-Commerce)	127	97	76%
4	B. Tech (Marine Engineering)	406	406	100%
5	B. Tech (Naval Architecture & Ocean Engineering)	51	51	100%
<b>Total</b>		<b>989</b>	<b>959</b>	<b>97%</b>
<b>PG Programmes</b>				
1	M.B.A (Port & Shipping Management)	78	38	48%
2	M.B.A (International Transportation & Logistics Management)	153	106	69%
3	M.Tech (Naval Architecture & Ocean Engineering)	26	2	7.6%
4	M.Tech (Dredging & Harbour Engineering)	26	2	7.6%
5	M.Tech (Marine Engineering and Management)	26	6	23%
<b>Total</b>		<b>309</b>	<b>154</b>	<b>50%</b>
<b>Grand Total (UG + PG)</b>		<b>1298</b>	<b>1113</b>	<b>86%</b>

**c. Normalisation method in lieu- of online Common Entrance Test**

Admission to IMU's programmes is based on the Common Entrance Test (CET). However, due to CoVID-19 pandemic, CET could not be conducted for the Academic Year 2021-22. As an alternative, admissions were done based on the normalised Class 12<sup>th</sup> Board Examination Marks for UG courses and merit of Degree marks for PG courses.

**d. Research Programmes:**

i) As on 31.03.2022, five batches of Ph.D. and three batches of MS (By Research) besides four scholars under old regulations are engaged in research. The strength of Ph. D/MS (By Research) is as follows:

#	Batch	Ph.D.	MS (By Research)
1.	Old Regulation	4	-
2.	First	10	2
3.	Second	10	-
4.	Third	11	2
5.	Fourth	11	1
6.	Fifth	9	4
<b>Total</b>		<b>55</b>	<b>9</b>

**e. Reservation of seats for students from Andaman & Nicobar Islands and North-Eastern States**

From the academic year 2015-16 onwards, seats have been reserved for candidates native to Andaman & Nicobar Islands, Lakshadweep and Minicoy Islands, the eight North Eastern States and Jammu and Kashmir or those domiciled in these regions and have cleared IMU's Common Entrance Test (CET). The number of seats reserved for North Eastern States is 40, Jammu & Kashmir is 10 and Andaman & Nicobar is 7. In the Academic Year 2021-22, 7 students from Andaman & Nicobar Islands availed the benefit of above reservation.

## **6. Academic Initiatives**

### **a. Career Advancement Scheme (CAS)**

- i. The Executive Council in its 63<sup>rd</sup> meeting dated 15.02.2022 vide resolution no. EC-2022-63-16 approved Career Advancement Scheme (CAS) for faculty members of IMU.

### **b. Professor of Practice (PoP)**

- i. The Executive Council in its 63<sup>rd</sup> meeting dated 15.02.2022 vide resolution no. EC-2022-63-15 approved that one or more Professor(s) of Practice (PoP) be engaged in the Schools of Nautical Science and Marine Engineering.
- ii. Engaging Professors of Practice will help IMU in the following ways:
  - a. The students can benefit from the industry insights and problem-solving approach of the Professors of Practice.
  - b. Build industry-academia linkages; research and consultancy projects
  - c. The Professors of Practice can nurture entrepreneurial talents in the students, help incubate student start-ups and act as advisor.
  - d. Finding internships and placements for students

### **c. Cumulative Professional Development Allowance (CPDA)**

- i. The Executive Council in its 63<sup>rd</sup> meeting dated 15.02.2022 vide resolution no. EC 2022-63-22 approved Cumulative Professional Development Allowance (CPDA) for faculty members in line with the guidelines issued by the University Grants Commission (UGC).

- ii. CPDA will allow, all eligible faculty members to utilise a budgetary grant of Rs. 3 lakhs for a block period of 3 years on reimbursable basis. This amount can be used for (i) presentation of papers in National & International Conferences (ii) Membership Fees for Professional Bodies (iii) Setting up facilities (laboratory, research related software etc.,) (iv) Fees for attending trainings, faculty development programmes (v) Purchase of books and periodicals etc.

**d. IMU's Global Initiatives of Academic Networks (GIAN)**

- i. The Executive Council in its 61<sup>st</sup> meeting dated 12.10.2021 vide resolution no. EC-2021-61-21 approved the proposal to engage Faculty from International Educational Institutions in line with GIAN Scheme of Ministry of Education and to devise IMU's own scheme in line with GIAN Scheme.
- ii. The Scheme is envisaged to offer the following benefits:
  - a. Provide opportunity to the Indian faculty to learn and share knowledge and teaching skills in cutting edge areas.
  - b. Provide opportunity to the Indian students to seek knowledge and experience from reputed international faculty.
  - c. Opportunity for the students of different Institutes/Universities to interact and learn subjects in niche areas through collaborative learning process.
  - d. Document and develop new pedagogic methods in emerging topics of national and international interest.

## 7. Memberships & Collaborations

### a. Membership

IMU is a member of International Association of Maritime Universities (IAMU) and of AIU (Association of Indian Universities).

### b. Memoranda of Understanding (MoUs) & Agreements

i. IMU has MoU with the following foreign Universities/organisation for collaborations in Academics and Research:

#	Name of the Foreign University / Organisation	Country
1.	Admiral G.I. Nevelskoi Maritime State University, Vladivostok	Russia
2.	Bangabandhu Sheikh Mujibur Rahman Maritime University	Bangladesh
3.	Ministry of Blue Economy, Marine Resources, Fisheries and Shipping, Govt. of Mauritius	Mauritius
4.	Erasmus University	Netherlands

ii. IMU has MoUs with the following National Institutes / Agencies for academic, training and industrial activities:

#	Name of the National Institutes / Agencies	Purpose
1.	Andaman and Nicobar Harbour Administration	For the purpose of academic cooperation based on felt needs, reciprocity and for mutual benefit.
2.	Andhra Pradesh Maritime Board	Training of Inland Vessel crew.
3.	Confederation of Indian Industry	Facilitate long-term and sustainable ties in education training and research in the Maritime sector.
4.	Dredging Corp. of India	Projects of common interest.

5.	Inland Waterways Authority of India	To improve the functioning of National Inland Navigation Institute (NINI), Patna
6.	Institute of Marine Engineers, India (IMEI)	To establish an IMEI(i) Chair position at IMU for industry partnership.
7.	Logistics Skill Council	To conduct apprenticeship-based BBA prog. in Maritime Logistics from AY 2022-23 in Vizag for three batches.
8.	Maharashtra Maritime Board	To establish a frame work of co-operation between MMB and IMU.
9.	National Institute of Ocean Technology	Demonstration project on tidal energy.
10.	Tamil Nadu Institute of Archaeology and Museology, Tamil Nadu State Department of Archaeology – TNIAM-TNSDA	<p>To explore, excavate and document ancient ports of Tamil Nadu / Study coastal geomorphology and marine environment / To document the maritime heritage and vestiges of India / Teaching and academic activities in maritime heritage / To study and analyse ancient navigation, trade &amp; commerce, maritime trade routes, ship building and cultural activities / To study, collaborate and interact with Indian Ocean Rim Countries.</p> <p>An amount of Rs. 57,50,000/- (Rupees fifty seven lakhs and fifty thousand only) has been received towards the project proposal titled “Offshore Reconnaissance Survey of the Sangam Age Korkai Port” under the said MoU between TNSDA &amp; IMU.</p>
11.	VOC Port Trust	Training of Pilots

## 8. Events, Seminars, Conferences / Summits and Industry Interactions

- i. **Inauguration of Workshop & Dedication of New Buildings - Marine Workshop for Chennai Campus and Dedication of New Buildings of IMU Visakhapatnam Campus from Chennai through virtual mode by Shri. Sarbananda Sonowal, Hon'ble Union Cabinet Minister of Ports, Shipping, Waterways and Ayush on 23 Dec, 2021.**



Marine Workshop – IMU Chennai Campus

**ii. INTERNATIONAL DAY OF YOGA – 21st June 2021 – YOG SAMAY:**

The inclusion of yoga in one's life has become significant for the well-being of seafarers and young mariners, particularly in the wake of the prevailing pandemic.

IMU and AIMPA along with Maritime Fraternity Group organised a virtual event on 21.06.2021 to mark the occasion of International Yoga Day. Hon. Minister of Ports, Shipping and Waterways, Shri Mansukh L. Mandaviya was the chief Guest. Vice-Chancellor, IMU, Dr. Malini V Shankar gave the opening remarks, and Hon. Minister dwelt on the importance of yoga in one's life.

The Yoga Abhyas was conducted by AMBIKA Yog Kutir, and the Heartfelt Meditation Session was led by Shri Sanjay Ji Bhatia (Up-Lokpal Maharashtra State and Ex-chairman of MBPT). The event was attended by close to 500 participants.

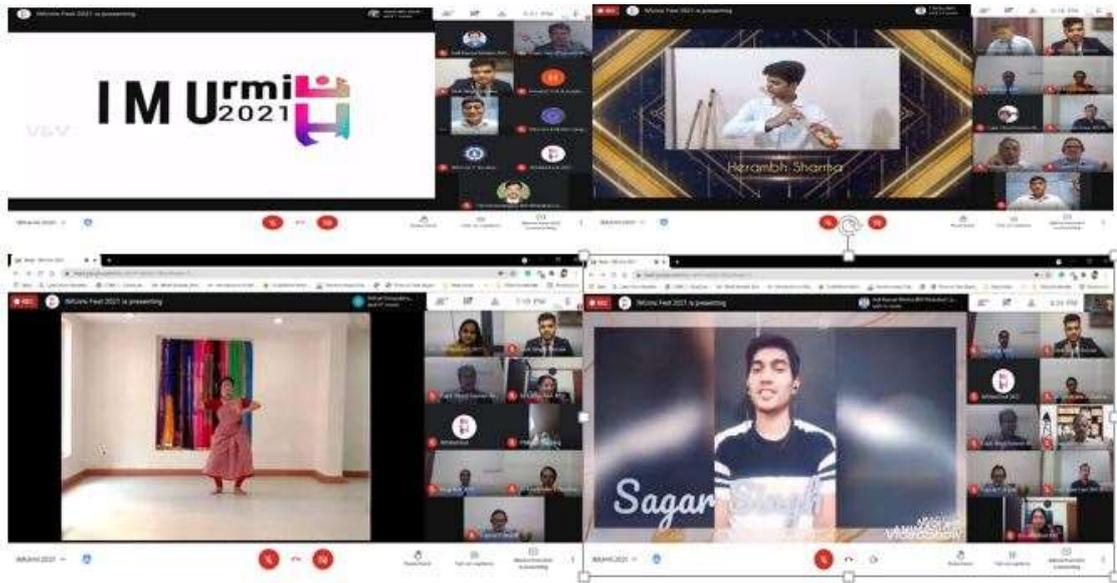


- iii. **Independence Day 2021** – Independence Day 2021 was celebrated. Dr. Malini V Shankar, IAS (Retd), Vice Chancellor, IMU, hoisted the National flag.



- iv. **Fest IMURMI** - The Indian Maritime University conducted an online Fest titled IMURMI for students and staff from all the campuses on 26, May, 2021. It gave an opportunity to the participants to showcase their extra-curricular talent in 18 different categories.

The Fest concluded with an online event inaugurated by Vice chancellor Dr. Malini V Shankar which was witnessed and enjoyed by the students, staff, family members and personnel from the maritime industry.



**v. Maritime History of India: A Manthan: -**

In tune with Maritime India Vision 2030, Indian Maritime University (IMU), in association with Maritime History Society (MHS), conducted two-days Online National Workshop on the theme "Maritime History of India: A Manthan" on April 21 and 22, 2021.

Inaugural Session was attended by Dr. Malini V Shankar, Vice Chancellor, IMU, Prof. Dr. V. K. Kesavadev, Director(i/c), IMU Visakhapatnam Campus and Cmde. Odakkal Johnson, Director, Maritime History Society.

Vice Chancellor, IMU expressed a need to study regional records as maritime history was an inter disciplinary field. Also, the workshop to lead to Skill Training (ST) courses and subjects and more intensive research on maritime domain, its heritage and archaeology for in-house and external participants.

**vi. International Seafarers Day** - The Nautical Institute, London organized an online event on 25th June 2021 to mark the International Seafarers Day. The topic of discussion was "Fair future for seafarers". Dr. Malini V Shankar, Vice Chancellor, IMU was a panellist in the event.

**vii. World Maritime Day** - IMU Kolkata Campus organized the World Maritime Day Celebrations on 30.09.2021 on the virtual platform with the theme "Seafarers at the core of shipping's future."

Dr. Malini V. Shankar, IAS (Retd.)- Vice-Chancellor delivered key note address on World Maritime Day Celebrations 2021 hosted by IMU Kolkata, elucidating the evolution of Maritime and #Shipping Industry and steps taken by IMU to keep up with it.

**viii. India Maritime Conference 2022** - A virtual meeting of the India Maritime Conference 2022 was organized by INMEX SMM India from 19<sup>th</sup> to 21<sup>st</sup> January, 2022. Theme of the meeting was "Unleashing India's Maritime Prowess". Dr. Malini V Shankar, IAS (Retd), Vice Chancellor, IMU delivered an address and convened a session titled 'Transshipment Opportunities in India'.

**ix. Inauguration of Simulator Building** – On 09 March, 2022 the Simulator Building was inaugurated at IMU Kochi Campus by the Vice-Chancellor-IMU.

- x. **IMU Library Webinar: “A webinar on Citation Management with special reference to the package – Mendeley”:** Dr. Malini V Shankar, IAS (Retd.), Vice Chancellor delivered keynote address in the event, Dr. Nirmal Singh, Guru Angad Dev Veterinary & Animal Sciences University, Ludhiana was the speaker.
- xi. **Monthly Seminars:** Monthly seminars were arranged in all campuses inviting eminent industry personalities. These seminars were attended by faculty and students to gain an overview of contemporary issues and the experiences. Students are encouraged to interact with the speakers on technical issues to understand the latest developments.

**Following events were held in the year 2021-22 as part of Maritime Knowledge Series:**

<b>Date of the Event</b>	<b>Event Topic</b>	<b>Speaker / Organizer</b>
30.04.2021	Pilot Ladder Safety	Capt Sanjeev Pande
28.05.2021	Sustainable Shipping & Clean Oceans	Shri N M C Nair
25.06.2021	Fair Future for Seafarers	IMEI, CMMI & NINI
25.06.2021	Combining Family Life with A Career at Sea	Nautical Institute
08.07.2021	Webinar On Environmental Governance: Three Approaches to Make a Change	Dr. Sunil Murali Shatri
18.08.2021	The Future of Indian Ship Building Industry	Mr. Antony Prince

01.10.2021	Safety Equipments Onboard Ships	School Of Nautical Studies, IMU Kochi Campus
29.10.2021	Marine Insurance	Capt. Hari Subramaniam
30.11.2021	Working Onboard Gas Tankers	Capt. Boris Lisica
28.12.2021	Deep Sea Fishes Diversity and Ecology	Dr. Hashim Manjebayakath
28.02.2022	Preparations For a Sea Career	Capt. Rajesh Tandon, President, V Ships

**xii. Centre for Training & Continuing Education (CTCE):** As per Statute 48 of the Indian Maritime University (IMU), there shall be a Centre for Training & Continuing Education. In terms of Ordinance 1 of 2020, a Centre for Training & Continuing Education (CTCE) has been established at IMU HQ to serve the training requirements of Officers, Professionals, Faculty and Students in the Shipping, Port and other related sectors. A total of 17 training programmes were conducted by IMU during 2021-22. The details of these training programmes are given below: -

#	Training Title	Course Coordinator	Campus/ Place	Online/ Offline	Period of Training
1	Port and Shipping Management	Dr. B.Swaminathan	Chennai	Online	29.11.2021 to 03.12.2021
2	Dredging Management	Dr. V.K. Kesavadev	Vizag	Online	06.12.2021 to 10.12.2021
3	Arbitration Strategy and Procedure	Dr. H.L.Yogamala	Kochi	Online	20.12.2021 to 24.12.2021
4	Bunker Hedging	Shri J. Makkar	IMEI Chair, IMU HQ	Online	10.01.2022

5	Contract Management in Ports	Dr. H.L.Yogamala	Kochi	Online	14.02.2022 to 18.02.2022
6	e-delivery and e-pass issuing + PCS (1x)	Dr. M. Sekar	Chennai	Offline	17.02.2022
7	Estate Management and GIS Mapping of Estate	Shri M.K. Dasgupta	Kolkata	Online	21.02.2022
8	Land Policy Guidelines	Shri M.K. Dasgupta	Kolkata	Online	22.02.2022
9	Entry Level Pilot Training	Capt. V. Dixit	Chennai	Offline	07.03.2022 to 25.03.2022
10	RTI Act 2005 and its amendments	Shri R. Anbu	IMU HQ	Offline	10.03.2022
11	Disciplinary Proceedings	Shri Srikanth	IMU HQ	Offline	11.03.2022
12	Faculty Development Programme	Institute of Marine Engineers, India (IMEI)	Chennai	Online	11.03.2022 to 12.03.2022
13	Port Operating System (Epis)	Dr. M. Sekar	Chennai	Online	15.03.2022 to 16.03.2022
14	Arbitration Strategy and Procedure	Dr. H. L. Yogamala	Kochi	Online	21.03.2022 to 25.03.2022
15	RTI Act	Shri Toorban Mitra	Kolkata	Offline	28.03.2022 to 29.03.2022
16	Environment Management and Pollution Control	Dr. H.L. Yogamala	Kochi	Online	28.03.2022 to 01.04.2022
17	Student Assessment and Evaluation	Prof. V. Sivakumar	NITTTR, Chennai	Online	28.03.2022 to 01.04.2022

- xiii. “IMO MOCK SESSION COMPETITION”** - IMU, in association with DMET–MERI Alumni and Mumbai Branch (including Navi Mumbai and Gujarat Chapters) of the Institute of Marine Engineers (India), conducted a Mock IMO Session Competition from 16.04.2021 to 15.08.2021 for students and scholars of IMU and its Affiliated Colleges, as a value addition to the academic pursuits of the IMU.
- xiv. Programme on re-use of Plastics** - On 05 Jun 2021, IMU conducted a programme i.e., “SUGGEST INNOVATIVE WAYS TO REUSE PLASTICS WHICH CAN BE PRACTICALLY IMPLEMENTED”. The three best entries were rewarded.
- xv. Teachers Day Celebrations 2021** - IMU students’ committee held an insightful celebration in the presence of Shri. Ranjitsinh Disale (Winner of the Global Teacher Award 2020) on the occasion of Teachers’ Day.
- xvi. Faculty Development Programme** - From 20.09.2021 to 24.09.2021, Indian Maritime University, School of Marine Engineering and Technology Department, Chennai Campus organised a Faculty Development Programme on the topic “Emerging Trends in Shipping Industry” in collaboration with ATAL Academy (AICTE).
- xvii. Online Quiz – IMU Foundation Day** - An Online Quiz Competition was conducted as part of “AZADI KA AMRUT MAHOTSAV” ON IMU FOUNDATION DAY on 26 Oct, 2021.

- xviii. WORKSHOP ON SEXUAL HARASSMENT OF WOMEN AT WORKPLACE (PREVENTION, PROHIBITION AND REDRESSAL) ACT, 2013** – A Workshop on “Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013” was organized at IMU HQ and Campuses on 09.12.2021 to create awareness on Gender sensitization. External Experts were invited for this workshop at IMU-HQ and Campuses. All the Staff, Faculty and students attended the workshop.
- xix. National Convention on Atmanirbhar Bharat** – Shri. P. Thangapandian, Assistant Registrar of Indian Maritime University, Headquarters received the award for the Best Paper presentation in Technical Session-V on "U.C Agarwal Memorial Lecture: Theme - Role of People in Atmanirbhar Bharat." Title – “Strengthening Domestic Industries' Human Resource Management through Atmanirbhar Bharat Abhiyan Structural Reforms: An Empirical Study with reference to Heavy Vehicles Factory, Avadi." The event was a National Convention organized by Indian Institute of Public Administration, New Delhi during 28 & 29 December 2021.
- xx. International Women’s Day** - International Women’s Day was celebrated at IMU-HQ on 08 March, 2022.
- xxi. Scholarships & Training** - The Antwerp/ Flanders Port Training Centre (APEC), Belgium has offered scholarships (for 3 students + 1 faculty) to Indian Maritime University for a Combi Training (2 to 3 Weeks online + 1- week physical training in the port of Antwerp).

## 9. Examinations

- a. IMU continued to conduct the university examinations for all programmes through online Proctored mode successfully without compromising the quality of examinations among the continuous pandemic situation during the year 2021-22. IMU expedited the publication of results of End Semester Examination through online evaluation tools. The results of December 2021 End Semester Examinations were published within a month from the period of exam completion. The issuance of marksheets, consolidated marksheets and provisional certificates to all successfully passed out students were completed within one-week from result publications. This is one of the significant achievements in the history of IMU.
- b. To improve the standard of assessment and enhance the knowledge of the students, Open Book Examination was also introduced as one of the components in Internal Examinations of all Programmes.
- c. Due to travel restrictions during the pandemic, the degrees of the Academic Year 2019 - 20 for all passed out students were conferred on 14<sup>th</sup> November 2021 (6<sup>th</sup> Convocation – Deemed) without conduct of formal convocation, as directed by the Executive Council. This enabled the students to apply for higher studies / career growth without any delay.

## 10. Administration

a. Following teaching & non-teaching positions were filled during the year:

#	Name of the Post	Number of Personnel Joined
1.	Campus Director	03*
2.	Assistant Professor (Electrical Engg.)	02
3.	Assistant Professor (Mech. Engg.)	06
4.	Assistant Professor (Elec. & Comm. Engg.)	01
5.	Assistant Registrar (Finance)	03
6.	Private Secretary	01
7.	Senior Assistant	01
8.	Assistant	07
9.	Assistant (Finance)	03
10.	Trainee Assistant	04 <sup>#</sup>
11.	Trainee Workshop	03 <sup>#</sup>
<b>Grand Total</b>		<b>34</b>

\* Tenure of 01 Campus Director extended      # On Compassionate Grounds

b. **Mapping of Legacy employees governed u/s 49 (ii) of IMU Act, 2008:**

- i. The Executive Council in its 63<sup>rd</sup> meeting dated 15.02.2022 vide resolution no. EC-2022-63-18 had resolved for the Mapping of Legacy Employees governed under Section 49(ii) of the IMU Act,2008.
- ii. Accordingly, Orders were issued for mapping of the 22 Legacy Society employees governed under Section 49(ii) of the IMU Act,2008.
- iii. The Executive Council in its 63<sup>rd</sup> meeting dated 15.02.2022, appreciated the efforts taken by the Vice Chancellor to resolve the long pending issue of mapping of legacy society employees.

**c. Amendment to Recruitment Rules of Assistant Professor Posts:**

- i. The Executive Council in its 63rd EC Meeting dated 15.02.2022 vide resolution no. EC 2022-63-17 had approved to amend recruitment rules for the post of Assistant Professor in the discipline of Marine Engineering & Nautical Science.
- ii. This amendment will allow Assistant Professor (Nautical Science) and Assistant Professor (Marine Engineering) to sail for 6 months on completion of 12 months of service [earlier, 6 months of sailing on completion of 3 years of service].
- iii. This will facilitate faster career progression for Assistant Professor (Nautical Science) and Assistant Professor (Marine Engineering).

**d. RTI Status for the FY 2021 – 22**

#	Name of the Campuses	RTI Request Received	RTI Request Disposed off	Pending Status
1.	IMU, Headquarters	73	71	02*
2.	IMU, Chennai Campus	08	08	Nil
3.	IMU, Navi Mumbai Campus	06	06	Nil
4.	IMU, Mumbai Port Campus	04	04	Nil
5.	IMU, Kolkata Campus	11	11	Nil
6.	IMU, Visakhapatnam Campus	05	04	01*
7.	IMU, Kochi Campus	09	09	Nil
<b>Grand Total</b>		<b>116</b>	<b>113</b>	<b>03</b>

\* Disposed in April'2022

**e. Details of Vigilance cases pending and closed during 2021-22**

#	Year of occurrence	Brief history of the allegation	Status
1.	2017	Complaint against irregularities in the recruitment for the post of Library Assistant in IMU.	Disposed
2.	2018	Complaint against irregularities in recruitment for the post of Assistant in IMU.	Disposed
3.	2018	Complaint against corruption and misuse of power and Govt. funds in IMU.	Pending
4.	2019	Complaint against irregularities in awarding internal marks for attendance to students by a private affiliated college.	Disposed

**f. CIDCO Land Lease**

- i. IMU-Navi Mumbai Campus, erstwhile T.S. Chanakya is functioning in a land admeasuring 1,53,890.09 sqm allotted by City and Industrial Development Corporation of Maharashtra Limited (CIDCO). The agreement was entered between CIDCO and D.G. Shipping during the year 1983. The lease period is for 60 years.
- ii. Upon formation of IMU in 2008, DG Shipping continued as licensee in the CIDCO records.
- iii. With the consistent follow-up by IMU officials and with the persistent efforts made by the Vice Chancellor, IMU, Ministry of Ports, Shipping and Waterways has approved for transfer of the name of licensee in the CIDCO records from D.G. Shipping to Indian Maritime University (IMU).

**g. Sexual Harassment cases filed under the Act in IMU during 2021-22**

Number of Sexual Harassment cases filed under the Act in IMU during 2021-22 in accordance with Sec. 22 of the Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013 – 01.

**h. 14<sup>th</sup> Foundation Day:** Fourteenth Foundation Day of Indian Maritime University was celebrated on 14<sup>th</sup> November 2021 at IMU-HQ and the Campuses.

## **11. Finance & Accounts**

**a. Streamlining of University Finances & Digital and Non-Cash transactions**

- i. As part of Digital transactions drive, IMU has switched over to online banking transactions for its Receipts and Payments. Receipts with respect to Admission / Recruitment processes are done through the software integrated with payment gateway for real time updation. Similarly, Exam fee collections were also converted to real time online modes through the integration of payment gateway with exam software. Payments are done through Online/NEFT and other form of electronic modes.
- ii. Cash transactions reduced to 'Nil' in IMU-HQ and campuses except one Campus where it is reduced to negligible levels.
- iii. Centralized Tally ERP Accounting Software Implemented.

## 12. IMU Chennai Campus

### a. Brief History of the Chennai Campus

The National Maritime Academy (NMA), formerly known as National Institute of Port Management (NIPM), was subsumed and became the Chennai Campus of Indian Maritime University. It is located on a 20-acre scenic beachfront property on the outskirts of Chennai.

### b. Name of the Campus Director

#	Name	Period
1.	Dr. Rajoo Balaji	01.04.2021 to 31.03.2022

### c. Academic programmes offered in the Campus during the period

#	Name of the Programme	Category	Total students in the Campus during the period
1	1 Year Diploma in Nautical science course leading to B.Sc. (Applied Nautical Science)	Diploma	32
2	3 Year B.Sc. (Nautical Science) [B.Sc. (NS)]	UG	301
3	3 Year B.B.A (Logistics Retailing & E-Commerce) [B.B.A (LR&E)]	UG	119
4	4 Year B. Tech. (Marine Engineering) [B.Tech. (ME)]	UG	275
5	2 Year M.B.A (Port and Shipping Management) [M.B.A (P&SM)]	PG	62
6	2 Year M.B.A (International Transportation & Logistics Management) [M.B.A (IT&LM)]	PG	78
<b>Grand Total</b>			<b>867</b>

#	Programme Name	Sanctioned Annual Intake	Students admitted during 2021-22					Total
			SC	ST	OBC-NCL	General	Women	
1.	DNS	40	6	6	13	7	3	32
2.	B. Sc. (NS)	110	16	3	49	42	4	110
3.	B.B.A (LR&E)	76	7	0	26	17	17	50
4.	B. Tech	80	12	3	41	21	7	77
5.	M.B.A (P&SM)	39	1	0	13	15	2	29
6.	M.B.A (IT&LM)	41	5	1	9	25	18	40
<b>Grand Total</b>		<b>386</b>	<b>47</b>	<b>13</b>	<b>151</b>	<b>127</b>	<b>51</b>	<b>338</b>

#	Programme Name	Students studying in the Campus during 2021-22					Total
		1 <sup>st</sup> year	2 <sup>nd</sup> year	3 <sup>rd</sup> year	4 <sup>th</sup> year		
1.	Diploma (NS)	32	NA	NA	NA	32	
2.	B.Sc. (NS)	105	94	102	NA	301	
3.	B.B.A (LR&E)	50	26	43	NA	119	
4.	B. Tech. (ME)	75	70	73	57	275	
5.	M.B.A (P&SM) & M.B.A (IT&LM)	69	71	NA	NA	140	
<b>Grand Total</b>		<b>331</b>	<b>261</b>	<b>218</b>	<b>57</b>	<b>867</b>	

#	Programme Name	Students studying in the Campus during 2021-22 (Total)					Total
		SC	ST	OBC-NCL	General	Women	
1.	Diploma (NS)	6	6	13	7	3	32
2.	B.Sc. (NS)	33	7	119	142	17	301
3.	B.B.A (LR&E)	19	4	53	43	47	119
4.	B. Tech. (ME)	40	15	120	100	19	275
5.	M.B.A (P&SM) & M.B.A (IT&LM)	16	0	43	78	34	140
<b>Grand Total</b>		<b>114</b>	<b>35</b>	<b>348</b>	<b>370</b>	<b>120</b>	<b>867</b>

**d. “Standards of training, certification and Watchkeeping for Seafarers” (STCW) Modular Courses**

Pre-Sea Courses

#	Duration	Name of the Course	No. of Candidates
1	26 October 2021 – 11 November 2021	Elementary First Aid	56
2	26 October 2021 – 11 November 2021	Fire Prevention and Fire Fighting	56
3	26 October 2021 – 11 November 2021	Personal Safety and Social Responsibility	56
4	26 October 2021 – 11 November 2021	Personal Survival Techniques	56
5	12 November 2021 – 13 November 2021	Security Training for Seafarer with Designated Security Duties	56

Post Sea Courses

#	Duration	Name of the Course	No. of Candidates
1	06.12.2021 to 08.12.2021	Diesel Engine Combustion Gas Simulator	03
2	05.01.2022 to 07.01.2022	Diesel Engine Combustion Gas Simulator	04
3	21.03.2022 to 23.03.2022	Diesel Engine Combustion Gas Simulator	03

**e. Details of Faculty and Academic Staff**

#	Discipline	Regular	Contract	Visiting	Total
1	Nautical Science	5	Nil	13	18
2	Marine Engineering	8	1	9	18
3	Maritime Management	5	1	12	18
<b>Grand Total</b>		<b>18</b>	<b>2</b>	<b>34</b>	<b>54</b>

**f. Details of Administrative and other Staff**

#	Department	Regular	Contract	Outsourcing	Total
1.	Administration	20	Nil	7	<b>27</b>
2.	Finance & Accounts	4	Nil	1	<b>5</b>
3.	Engineering Cell *	3	Nil	5	<b>8</b>
4.	Workshop	6	Nil	Nil	<b>6</b>
5.	Medical	Nil	1	1	<b>2</b>
6.	Library	3	Nil	Nil	<b>3</b>
<b>Grand Total</b>		<b>36</b>	<b>1</b>	<b>14</b>	<b>51</b>
* Assistant Engineer (C) and Assistant Engineer (E) of IMU HQ included, as they render services to IMU-CC as per their appointment order.					

**g. Scholarships**

Name of the Programme	Number of Students & Amount Received (in Rupees)												
	DADW (1,38,000)	MITT (100000)	SCI-CSR (95,000)	Telangana E-Pass each 222000	ONGC (48,000)	Lakshadweep (2,20,000)	Dept. of fisheries (2,25,000)	Winne sun's (65,000/-)	NSP (10,000)	UP (50,000 average)	BC/MBC Scholarship	TN DADW SC/ST Fresh (225000,200000,100000)	Total
B.Sc.	4	8	14	0	0	2	2	0	5	0	0	6	<b>41</b>
BBA	0	0	0	0	0	0	0	0	0	0	0	3	<b>3</b>
B. Tech	0	10	14	2	4	0	0	1	5	14	5	1	<b>56</b>
DNS	0	1	0	0	0	0	0	0	0	0	0	0	<b>1</b>
MBA	5	0	0	0	0	0	0	0	3	0	5	1	<b>14</b>
<b>Grand Total</b>	<b>9</b>	<b>19</b>	<b>28</b>	<b>2</b>	<b>4</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>13</b>	<b>14</b>	<b>10</b>	<b>11</b>	<b>115</b>

## h. Co-curricular and Extra-Curricular Activities of Students

#	Name of Organization & Event	Date of the Event
1	Observance of Anti-Terrorism Day	21/05/2021
2	Observed the World No Tobacco Day pledge	31/05/2021
3	World Environment Day Competition: Name of the Student: Cadet Saad Khan, Chennai Campus Prize: Winner Organized By: Indian Maritime University & MSC Crewing Services Pvt. Ltd.	05/06/2021
4	Ganpat University Gujarat - Essay Competition Name of the Student: Cadet Ekta Jha, Chennai Campus Achievement: Cadet Ekta Jha, Second Year B.Sc.(NS) won second prize for her topic "To Engage and Empower move Women into the Maritime Industry and promote Gender Diversity" in an essay competition organized by INDIA SEATRADE/GANPAT UNIVERSITY GUJARAT	18/06/2021
5	YOG SAMAY on International Yoga Day	21/06/2021
6	MARINE-O-MANIA - Online Quiz Competition An online Quiz Competition for DNS Cadets of IMU Chennai Campus was organized by GIRL CADETS. The theme of the event was "Women empowerment and Shipping Career". Capt. Radhika. C. Menon - Recipient of 'EXCEPTIONAL BRAVERY AT SEA' by IMO in 2016 and 'Seafarer of the year award' 2017 by LLOYD'S was the Chief Guest for the event. Name of the Students: Winner -Team: SWANAY AND SHUBHAM Runner up - Team: ADIL AND PRASENJEET	21/06/2021
7	Felicitation of IMU Girl Cadets by MASSA Cadet Ms. Dhanavath Pavani of IMU Chennai Campus received a Cash Award of Rs.50, 000/- from MASSA for securing 2nd position in IMU-CET and joined B.Tech. (ME) / B.Sc. (NS). They were felicitated in a function organised on the occasion of International Seafarers' Day.	25/06/2021
8	Independence Day	15/08/2021
9	Hindi Fortnight 2021 Essay Writing, Poem Recitation, Debate, Singing, One Act Play, Short speech, Antakshari, Storytelling. Etc.	14/09/2021 to 29/09/2021

10	<p>Webinar on "Environmental Regulations: Ship-Owners' and Managers' Dilemma" Wednesday, 6th October, 2021 at 1500 hrs SMET IMU CC &amp; ICS, Hong Kong Branch. Eminent academic and industry experts participated. Discussion threads:</p> <ul style="list-style-type: none"> <li>• A review of the implementation timeline</li> <li>• Comparative study of various Alternatives</li> <li>• Decision making dilemma for users</li> </ul>	06/10/2021
11	<p><b>Azadi ka Amrit Mahotsav (AzAM 75)</b> AzAM Motivational speech by Smt. P. C. Thenmozhi, IG, CB- CID- Adyar branch for the Students and IMU CC officials. International Women's Day is celebrated. Ms. Madhumitha Ravi, Regional HR Manager South, Kuehne + Nagel, delivered a speech on "Break the Bias" and followed by those cultural events have been conducted. AZAM-75 celebrations. Campus Theme: Independent India; Industrious India. Career Guidance- Regimental and I, non-Regimental have been organized.</p> <p><b>Note:</b> Other planned events under AzAM shall be conducted as per planned calendar schedule.</p>	<p>6/10/2021</p> <p>9/3/2022</p> <p>30/9/2021</p> <p>5,7,11&amp;13/ 10/2021</p>
12	<p>Moodle Learning Management System Training Session* for Faculty members Resource person: INFLIBNET Officials, INFLIBNET Centre, Gandhinagar, Gujarat. *Recurrent training for IMU Faculty.</p>	25/10/2021
13	Vigilance Awareness Week 2021	26/10/2021 to 01/11/2021
14	Vaccination Camp	24/05/2021 to 26/08/2021
15	Virtual Mode Workshop Session on Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act 1973 to provide a safe and secure environment for women in the workplace conducted by Smt. B. Jothi Nirmalasamy, IAS.	15/12/2021
16	Marine Engineering Workshop Inaugurated by Shri. Sarbananda Sonowal, Minister of Ports, Shipping and Waterways; Minister of Ayush.	23/12/2021
17	Republic Day	26/01/2022

18	Port Visit	17/03/2022
19	<p><b>Swachh Bharat Abhiyan:</b>  Budgeted expenses projected every month on various cleanliness and other activities.  Special activities include clearing of debris due to heavy weather and planning for extra toilets (under process).</p>	Year long

**i. Other Activities**

**School of Maritime Management (SMM)**

- (i) Estuary 2021 was conducted on 15th and 16th April 2021 through virtual mode – National Seminar & Intercollegiate Management Fest entitled “Was COVID a Maritime Obstruction or Innovative Disruption:” convened by Dr. Emil Mathew, Asst. Professor and organized by Dr. A Mourougane, Head & Associate Prof/SMM.
- (ii) Chennai Port visit for SMM faculty along with other faculty members of other departments and IMU HQ officers on 17 & 18 August 2021
- (iii) On duty scholarship Combi Training offered by APEC- Antwerp, Belgium was given to 4 students of IMU-CC. Ms. Uma., MBA PSM 2020 batch student attended the programme online training on Smart Port Technologies between 7-22 Dec, 2021 - coordinated by Dr. A Mourougane, Associate Professor.
- (iv) Micro-Credit course on "Logistics and Operation Management & Data Analytics" of Erasmus UPT, Rotterdam was conducted and the top 50 MBA final year students of 2020-22 batch of all IMU campuses were enrolled for participation. 10 faculty members from School of Maritime Management also participated in the Micro Credit Course from 7th Feb to 25th Feb, 2022 conducted through zoom (virtual platform). The course was coordinated by Dr. A Mourougane, Associate Professor, IMU, Chennai Campus.

- (v) Port visit organized for MBA II year (PSM -33 & ITL – 38) batch 2020-22 and BBA batch 2019-22 – 43 students on 17.3.22 for M/s Kamarajar Port Ltd and Kattupalli Port.

**School of Marine Engineering and Technology (SMET)**

- (vi) The SMET, Chennai Campus organized a webinar on “Indian Navy as a Career Choice” for the third-year B. Tech (Marine Engineering) Cadets on 11.06.2021. Captain S Ravindra, Command Recruitment Officer delivered the lecture.
- (vii) The SMET, Chennai Campus organized and conducted a 5-Day Online Faculty Development Programme on “Emerging Trends in Shipping Industry” from 20.09.2021 to 24.09.2021. This programme was funded (Rs. 93,000/-) by AICTE Training and Learning (ATAL) Academy, New Delhi. The programme was formally inaugurated on September 20, 2021, with a ceremonial invocation and the virtual lighting of a lamp. Dr. K. Sivasami, Coordinator and Head of SMET, IMU CC, made the opening speech. Honourable Director, Dr. Rajoo Balaji, IMU CC, presented the welcome address. The Sessions were led by eminent personalities from prestigious universities and the shipping industries.
- (viii) Eminent resource persons from various fields gave their presentations as mentioned below:

#	Name of the Topic	Resource Person
1.	Design Thinking and Cognitive Skills	Dr. Amit Choudhury, Ph.D. Dean, School of Business Sciences University of Science & Technology, Meghalaya & Chief Coordinator, NewGen, IEDC, USTM

2.	Oil and Chemical Operations in Modern Ships	Capt. Vijay Sharma Master – Chemical Tankers
3.	Marine Power systems	Dr. N. Vedachalam Scientist - F (Deep Sea Technologies) National Institute of Ocean Technology (NIOT), Chennai, India.
4.	Technology integration in Shipping - Human Machine Interface	Dr. (Capt.) Suresh Bhardwaj Resident Director & Principal, MASSA Maritime Academy, Chennai
5.	Running Effective Shipyards in India	Shri. Hrishikesh Narasimhan General Manager Production & Refits L&T Shipbuilding Ltd. Kattupalli, Chennai
6.	Alternate Fuels	S Paranthaman Associate Professor/Marine Chief Engineer Department of Marine Engineering Hindustan Institute of Maritime Training, Chennai
7.	Modern Sensors	Dr. Karunesh K. Gupta, Ph.D. FIE(I), SMIEEE Associate Professor, Department of Electrical & Electronics Engineering Birla Institute of Technology & Science, Pilani Campus Pilani-333031, Rajasthan, India
8.	Challenges in Marine Batteries	Hemavathi S SCIENTIST CSIR-Central Electrochemical Research Institute - Chennai Centre. CSIR Madras Complex
9.	Microstructure-Corrosion Property Correlation in Metallic Coatings	Dr. Chandan Srivastava, PhD Associate Professor Department of Materials Engineering Indian Institute of Science Bangalore-560012 India
10.	Energy Management	Shri. S. Ramalingam Former Chairman & Managing Director, Chennai Petroleum Corporation Ltd. (CPCL) & National President, Energy & Fuel Users' Association of India (ENFUSE)

11.	Digitalization in Ships	Capt. Ramadass V Director, QHSE Synergy Maritime Private Ltd., Chennai
12.	Marine Communication	Dr. R. Bhuvaneshwari Deputy Registrar (Admin) – IMU CC
13.	Modern Ship Propulsion	S. Janaka Faculty/ Marine Chief Engineer Hindustan Institute of Maritime Training, Chennai
14.	Marine Tribology	Dr. S. Mohamed Ali Professor Department of Mechanical Engineering Pondicherry Engineering College
15.	Autonomous Shipping & AI/ML Application to Shipping	Dr. L. R. Chary Former Executive Director Shipping Corporation of India

- (ix) Organized a webinar and panel discussion on "Environmental Regulations: Ship-owners' and Managers' Dilemma" for the Marine fraternity & Maritime Institutes on 06.10.2021.

Dr. Malini Shankar, IAS (Retd.), Vice-Chancellor, IMU made the opening remarks and Mr. Sanjay Verma, Director, Decarbonisation Solutions, Wartsila, Singapore, gave a presentation on "Various alternatives, a comparative study, decision-making dilemma for users", which was followed by an expert panel discussion.

Panel Discussion - Panellists:

- Dr. Purnima Jalihal, Head of Energy & Fresh Water, National Institute of Ocean Technology,
- Mr. C V Subba Rao, Managing Director, Sanmar Shipping Ltd.
- Mr. Yatin Gangla, Chief Technical Officer, Thome Group

- Mr. Sanjay Verma, Director, Decarbonisation Solutions, Wartsila Singapore

Moderator: Jagmeet Makkar, Chairman - Institute of Chartered Shipbrokers, Hong Kong Branch.

(x) The Final Year Cadets of B. Tech (ME) visited L&T Shipbuilding, Kattupalli on 17.12.2021 and 18.12.2021 under the AZADI KA AMRUT MAHOTSAV Programme.

- Organized a Guest Lecture on 'Grooming of Cadets for Good Sea Career' for B. Tech (ME) Cadets under the campus theme, "Independent India; Industrious India" on 21.12.2021. Shri. Siddhartha Sukumaran, Sr. Technical Superintendent, Synergy Marine Group delivered the lecture.
- Released the e-magazine 'Purple Stripes' on 21.12.2021. This was released by Shri. Siddarth Sukumaran, Sr. Technical Superintendent, Synergy Marine Group, and Dr. Rajoo Balaji, Director, Chennai Campus. Chief Editor: Dr. K. Sivasami, Head-SMET, Co-editors: Cadet. Himanshu Vaswanya, Cadet. Shaswat Dev; faculty in charge: Dr. S. Thangalakshmi, Photography & Designing Head: Cadet. Shubham Mishra.
- Cadet. Pradyumna Mishra of Final Year B. Tech (ME) delivered a lecture on "Operational Hazards in Marine Diesel Engines" in the Technical Webinar for Marine Engineering Student & faculty, organized by The Institute of Marine Engineers (India), Chennai Branch on 07.01.2022 by the initiatives made by the School of Marine Engineering and Technology, Chennai Campus.

- A webinar was arranged for B. Tech (ME) cadets on “Design Thinking” as a part of the IIC cell, IMU Chennai campus on 07.09.2021. Dr.M.V. Timmaraju, Senior Assistant Professor, IIITD-M, Kancheepuram delivered the lecture.
- An Entrepreneurship Awareness Programme was organized for B. Tech (ME) Cadets on 10.02.2022, as part of IIC. Shri. R. Senthil Kumar, IEDS, Deputy Director, Ministry of Micro, Small & Medium Enterprises, MSME Development Institute, Chennai delivered the lecture.

**j. Achievements by Cadets of IMU Chennai Campus:**

**School of Marine Engineering & Technology (SMET)**

Name of Student	Name of the Event / Competition	Organised / Conducted By	Rank / Position / Achievement	Photos
Saad Khan	World Environment Day Competition	MSC Crewing Services Pvt. Ltd	1 <sup>st</sup>	
Saad Khan	OP-ED Writing Competition, 'IMUrmi' Cultural fest	Indian Maritime University, Chennai Campus	1 <sup>st</sup>	
Snehali Dutta	Poster making competition, International Maritime Day celebrations	Indian Maritime University, Navi Mumbai Campus	1 <sup>st</sup>	
Barnali Maji, Jeevan James & Krishna Prabu	SAMIPTA (Safe and Modern Ideas for Pilot Transfer Arrangement)	All India Maritime Pilot's Association in association with Indian Maritime University	Winners [Trophy + Cash Prize]	  Jeevan James Krishna Prabu

Name of Student	Name of the Event / Competition	Organised / Conducted By	Rank / Position / Achievement	Photos
Saad Khan	International Conference on Shipping and Nautical Science (ICSNS)	Department of Nautical Science, Academy of Maritime Education and Training (AMET)	Best Paper Award	
Ms. Dhanavath Pavani	Felicitation on the occasion of International Seafarers' Day.	MASSA	Cash Award of Rs. 50,000/- for securing 1 <sup>st</sup> position in IMU-CET	
Praveen Singh	-	HG infra company	Merit scholarship of Rs.36, 000/-	
Praveen Singh	-	-	Selected for Prime Minister's Scholarship Scheme under the National Defence fund	
Shubham Mishra	"e-Nyayaganga" - Digital Poster making competition	National Law Institute University (NLIU), Bhopal	2 <sup>nd</sup> + cash prize	
Snehali Dutta	Ad making - 'IMUrmi' Cultural fest	Indian Maritime University, Chennai Campus	2 <sup>nd</sup>	
Snehali Dutta	'Art from scrap'- 'IMUrmi' Cultural fest	Indian Maritime University, Chennai Campus	2 <sup>nd</sup>	

<b>Name of Student</b>	<b>Name of the Event / Competition</b>	<b>Organised / Conducted By</b>	<b>Rank / Position / Achievement</b>	<b>Photos</b>
Praveen Singh	Short film event, International Maritime Day celebrations	Indian Maritime University, Navi Mumbai Campus	2 <sup>nd</sup>	
Barnali Maji & Krishna Prabu	Paper presentation competition	Indian National Ship Owners' Association (INSA)	Finalists + cash prize	 Krishna Prabu
Raj Jitendra Singh, Rishav Kumar, Nakka Halex Pranith & Polamarasetti Vamsi	IMO MOCK SESSION COMPETITION 2021	Indian Maritime University, Chennai Campus	First Runners-up	
Shubham Mishra and Pagan Prateem Sarma	START-UP PITCHING, ESTUARY'21	Indian Maritime University, Chennai Campus	3 <sup>rd</sup> Runner Up	 Shubham Mishra
Potti Tagore, Praveen Singh, & Parag Bhati	TRANS TECH- Technical Paper Presentation Event	Tolani Maritime Institute	Consolation prize of Rs. 2,000/-	Potti Tagore  Praveen Singh

<u>Batch 1:</u> Chitranjan Kumar, Chittaranjan B A & Mainak Paul	MTS Nanda Student Innovation Award	MTS India Section	Participation certificates	
<u>Batch 2:</u> Jeevan James, Ajil Krishna K A & Sayooj K				
<u>Batch 3:</u> Koduri Sri Ram Sagar, Potti Tagore & Vishal Kashyap				

### School of Nautical Science (SNS)

Name of the Student	Name of the Event / Competition	Organised / Conducted By	Rank/ Position / Achievement	Photos
Arnab Ganguly	Bureau International Des Containers Scholarship	Indian Maritime University, Chennai Campus	Winner	
Arnab Ganguly	Maritime History Society Essay Writing Competition	Indian Maritime University, Chennai Campus	1 <sup>st</sup>	
Vikas Tiwari	Quiz Competition Pt1	Indian Maritime University, HQ	Winner	
Prince Chand Vanshaj	Blog Writing Competition "Woman's Role in Maritime Industry"	Indian Maritime University, HQ	Winner	
Anirudh Tiwari	Painting Competition, World Maritime Day	Indian Maritime University, Kolkata Campus	1 <sup>st</sup>	

<p>Arnab Ganguly, Ashutosh Mishra, Spandan Ghosh</p>	<p>M-Heads Quiz Competition Intra Campus</p>	<p>Indian Maritime University, Navi Mumbai</p>	<p>1<sup>st</sup></p>	 <p>Arnab Ganguly</p>  <p>Ashutosh Mishra</p>  <p>Spandan Ghosh</p>
<p>Navneet Kumar</p>	<p>Logo Making Competition</p>	<p>Indian Maritime University, Chennai Campus</p>	<p>1<sup>st</sup></p>	
<p>Aditya Sharma</p>	<p>M-Heads Quiz Competition Intra Campus</p>	<p>Indian Maritime University, Navi Mumbai</p>	<p>2<sup>nd</sup></p>	
<p>Ekta Jha</p>	<p>Essay Writing Competition</p>	<p>Ganpat University</p>	<p>2<sup>nd</sup></p>	
<p>Ankita</p>	<p>IMO Mock Session Competition</p>	<p>Indian Maritime University, Chennai Campus</p>	<p>3<sup>rd</sup></p>	 <p>Ankita</p>

Chetan Pandey, Varsha Baral	IMO Mock Session Competition	Indian Maritime University, Chennai Campus	3 <sup>rd</sup>	 <p>Chetan pandey</p>  <p>Varsha Baral</p>
Aditya Sharma	Game Of Boards-Chess	Indian Maritime University, Chennai Campus	3 <sup>rd</sup>	

**k. Papers submitted/presentation made by faculty/staff**

School of Maritime Management (SMM)	
1	<p>Dr A Mourougane, Associate Professor published “Present Scenario of Shipbuilding Industry in India” in the International Journal of Financial Management (IJFM) between Aug to Sep 2020 – 2319-419X- 6.27(JCC)</p> <p>Dr A Mourougane, Associate Professor published “Multimodal Cargo Transport in India: Challenges in Coastal Shipping” (second Author) in SAMBODHI (UGC care listed journal) – Jan – March 21 – 2249-6661-5.8(IF)</p>
2	<p>i. Dr. Emil Mathew, 2022, “The Recycling of Ships Act 2019: Prospects for a Sustainable Ship Recycling in India”, a paper presented in the IEEE Oceans conference held at Chennai between 22 and 24 February 2022.</p> <p>ii. Dr. Emil Mathew, 2021, Social Reintegration of Released Prisoners: An Empirical Analysis from Two Indian States. <i>International Annals of Criminology</i>, 59(2), 200-222. doi:10.1017/cri.2021.18 (co-authored with Santhosh R)</p> <p>iii. Dr. Emil Mathew, 2021, “Tiding over the Pandemic: The Prospects of Cruise Tourism”, <i>International Journal of Hospitality and Tourism Studies</i> 2 (1):2021, ISSN 2709 0892 <a href="https://doi.org/DOI:10.31559/IJHTS2021.2.1.8">https://doi.org/DOI:10.31559/IJHTS2021.2.1.8</a></p> <p>iv. Dr. Emil Mathew, 2021, “Ship Recycling, Market Imperfections and the Relevance of a Consortium of Ship Recycling Nations in the Indian Subcontinent”, <i>Journal of International Maritime Safety, Environmental Affairs and Shipping, Taylor and Francis Shipping, Francis</i>. 5(2):2021 <a href="https://www.tandfonline.com/doi/full/10.1080/25725084.2021.1921994">https://www.tandfonline.com/doi/full/10.1080/25725084.2021.1921994</a> (Peer Reviewed).</p> <p>v. Dr Emil Mathew, Asst. Professor - Presented a paper titled “The Recycling of Ships Act 2019: Prospects for a Sustainable Ship Recycling in India” and co-chaired the session at OCEANS 2022 Chennai, held in India from Feb 22-24, 2022 as a hybrid conference (virtual and in-person).</p>

3	<p>Dr Lekha Ravi, Asst. Professor: Case study and teaching Note- published at <a href="https://www.thecasecentre.org/">https://www.thecasecentre.org/</a></p> <p>Title: Divided we stand and United we fall? A case of Disruptive strategy at Haven healthcare – a joint endeavor by Amazon, Hathaway, and JP Morgan Chase (Case) with reference 322-0086- (Teaching note) with reference 322-0086-8</p>
4	<p>Dr. M Sekar, Asst. Professor published a paper on “A Study on Export of Agro Products with Special Reference to India” UTKAL Historical Research Journal (<i>UGC Care Approved, Peer-Reviewed and Referred Journal</i>) ISSN:0976-2132 Published in Vol. 34(VI):2021</p>
<p><b>School of Nautical Science (SNS)</b></p>	
5	<p>Capt. Vartul Dixit Published a paper titled "Research and Cause Investigation of Human Error in Profession and How to Eliminate Human Error", occupational hazards in bulk carrier vessel and how to mitigate the same in journal IJRAMT Volume 2, Issue 7, July 2021.</p>
<p><b>School of Marine Engineering &amp; Technology (SMET) – International, National &amp; Peer-Reviewed Journals</b></p>	
6	<p>C.P. Balaji, K. Sivasami, 2022, February. Air Bubble Lubrication for Hulls. Marine Engineers Review, Journal of The Institute of Marine Engineers (India), Vol.16, Issue.3, pp.9-12.</p>
7	<p>Dr. S. Thangalakshmi and Dr. K. Sivasami, 2021 (December). Fuzzy Logic Control for Speed Control of Three Phase Induction Motor with Variable Frequency Drive in Marine Applications, International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211, Volume 9, Issue 12, pp.886-892.</p>
8	<p>Dr. S. Thangalakshmi, S. and Sivasami, K., 2021 (Oct 6). Challenges Prevailing in Photovoltaic Electricity in India: A Broad Perspective. Journal of The Institution of Engineers (India): Series C, pp.1-10.</p>

9	Rajiv Gandhi, P., Elankurisi, S. A., Dinesh, M., & Dr. Thangalakshmi, S. Power Quality Enhancement of Cascaded H-Bridge Multi-Level Inverter based Distributed-STATCOM by Standard and Intelligent Controllers. Journal of Controller and Converters, Volume-6, Issue-3 (September-December, 2021), pp.16-33.
10	Dr. S. Thangalakshmi, and Dr. K. Sivasami, 2021, August. Machine Learning Methods for Marine Systems. In IOP Conference Series: Materials Science and Engineering (Vol. 1177, No. 1, p. 012002). IOP Publishing.
<b>School of Marine Engineering &amp; Technology (SMET) – International &amp; National Conferences</b>	
11	Proceedings of International Conference OCEANS 2022, “Ship Recycling - The Need of A Life Cycle Approach”, Gopikrishna Chokalingam, Dr. K. Sivasami, Dr. S. Thangalakshmi, 978-1-6654-1821-8/22, IEEE Explore.
12	Proceedings of International Conference OCEANS 2022, “Renewable Energy Options for Seaports”, Shilpa Bali, Dr. S. Thangalakshmi, Dr. Rajoo Balaji, 978-1-6654-1821-8/22, IEEE Explore.
13	Krishnendu Das, Dr. S. Majumder, Dr. K. Sivasami, Dr. S, Thangalakshmi and Dr. N.Das, “Hong Kong Convention: Impact on Environment due to Refrigeration Waste in Ship Recycling: An Indian Perspective”, Proceedings of the International Conference on Interdisciplinary Research in Technology and Management (IRTM, 2021), 26–28, February 2021, Kolkata, India.
14	Dr. S. Thangalakshmi & Dr. K. Sivasami, “Machine Learning Techniques and Maritime Applications”, International Conference on Artificial Intelligence & Robotics: Transforming Academia to Industry, The Institution of Engineers (India) in association with MENTORX, January 22-23, 2021.
15	Proceedings of International Conference OCEANS 2022, “A Novel Approach for Underwater Object Detection through Deep Intense-Net for Ocean Conservation Systems”, by Dr. R. Bhuvaneshwari, DR (Admin)- CC, T. Surya, T. Srikanth, Dr. Rajoo Balaji 978-1-6654-1821-8/22, IEEE Explore.

## I. Training / FDP Courses attended by Faculty Members:

<b>School of Maritime Management (SMM)</b>	
1.	Dr. Dr. Lekha Ravi, Asst. Professor, Completed 4-Week Induction/Orientation Programme for “Faculty in Universities/Colleges/ Institutes of Higher Education” from 19 June - 18 July 2021.
2.	Dr. Lekha Ravi, Asst. Professor, Completed One-week of FDP on “E-Content Development” by NITTR, Chennai- 22 to 26.03.2021.
3.	Dr. Lekha Ravi, Asst. Professor, Attended Webinar conducted by CASE CENTRE, the UK on ‘Leading Organisations in the Age of Outrage’ - 6th December-2021
4.	Dr. Lekha Ravi, Asst. Professor, Attended Meeting chaired by Meeting by Hon'ble Minister of State for Ports for a policy document on ‘Model concession agreement for PPP in Ports’-July 28th.
5.	Dr. Lekha Ravi, Asst. Professor, Attended Webinar conducted by CASE CENTRE, UK on TEACHING AND WRITING ROLE-PLAY CASES- 10th Feb 2022
6.	Dr. M Sekar, Asst. Professor attended Seminar on A Study on the Impact of COVID-19 on Export of Automobiles from India from 26.08.21 to 28.08.21 conducted by Rai University, Gujarat
7.	Dr. M Sekar, Asst. Professor attended Seminar on A Study on Impact of International Container Vessels during and Post Pandemic from 26.10.21 to 28.10.21 conducted by AGA 21-IAMUC, Egypt (Arab Academy for Science, Technology and Maritime Transport) AGA 21-IAMUC, Egypt (Arab Academy for Science, Technology and Maritime Transport)
8.	Dr M Sekar, Asst. Professor attended Seminar on An Alternative Approach to Financial Management of Major Ports in India from 23.12.21 to 24.12.21conducted by NDIM (New Delhi Institute of Management)
<b>School of Marine Engineering and Technology (SMET)</b>	
9.	Mr. K. Anbazhahan participated in the Online Training Programme on “E-Content Development” Conducted by NITTTR, Chennai from 22.03.2021 to 26.03.2021.

10.	Mr. K. Anbazhahan Participated in a 4-week Induction/Orientation Programme conducted by the Teaching Learning Centre, Ramanujan College, the University of Delhi from 19.06.2021 to 18.07.2021.
11.	Dr. S. Thangalakshmi attended an FDP on "Cognitive Skills and Design Thinking", organized by Gateway Institute of Engineering & Technology, Sonipet from 26.07.2021 to 30.07.2021
12.	Dr. S. Thangalakshmi participated & completed the AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Emerging Trends in Shipping Industry" from 20.09.2021 to 24.09.2021 at INDIAN MARITIME UNIVERSITY CHENNAI CAMPUS.
13.	Dr. S. Thangalakshmi participated in & completed the AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Electric Vehicle Engineering" from 25.10.2021 to 29.10.2021 at the NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING and RESEARCH.
14.	Dr. S. Thangalakshmi participated in the week online National Training Programme on "Creativity in Innovation Management & Research for Women Scientists", by the Ministry of Science & Technology, Gol from 22.11.2021 to 26.11.2021.
15.	Dr. S. Thangalakshmi participated in the 3-Day Online Workshop on How Teachers Can Make a Difference held during December 17 - 19, 2021, organized by Teaching Learning Centre (TLC), IIT Madras.
16.	Dr. S Thangalakshmi completed 15 days of virtual Internship Programme on Electric Vehicle Conducted by TVS Training and Services Ltd., from 31.01.2022 to 16.02.2022.
17.	Dr. K. Sivasami and Mr. C.P. Balaji attended STCW Course Train the Simulator Trainer & Assessor Course (TSTA) at MASSA Maritime Academy, Chennai from 29.12.2021 to 04.01.2022.
<b>School of Nautical Science (SNS)</b>	
18.	Capt. Ganesan Velayutham a. Completed Assessment, Examination and Certification of Seafarers (AECS) course at HIMT, Chennai (12 days)

	<ul style="list-style-type: none"> <li>b. Attended One-week FDP on "Academic Writing for Research" organised under the Ministry of Education sponsored Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching scheme organized by TLC Ramanujan College</li> <li>c. Attended Workshop on Problem Formulation conducted by Teaching and Learning Centre of IIT Madras</li> </ul>
19.	<p>Capt. Vartul Dixit</p> <ul style="list-style-type: none"> <li>a. Attended course trainer and assessor and successfully received certificate from DGS.</li> <li>b. Got first prize in essay writing competition conducted during Vigilance week.</li> </ul>
20.	<p>Ms. Srividhya</p> <ul style="list-style-type: none"> <li>a. Attended One-week FDP on "Academic Writing for Research" organized under the Ministry of Education sponsored by Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching scheme organized by TLC Ramanujan College.</li> <li>c. Attended one week course on "RESEARCH PAPER WRITING" conducted by Global Institute of Management</li> <li>d. Attended Orientation Programme on "Prevention and Management of Mental Health Problems in Higher Education Institutions"</li> <li>e. Participated in 3 days online workshop on "How Teachers Can Make a Difference" held from December 17th -19th 2021.</li> <li>f. Attended Workshop on Problem Formulation conducted by Teaching and Learning Centre of IIT Madras</li> </ul>
21.	<p>Ms. Sridevi Devasena</p> <ul style="list-style-type: none"> <li>a. Completed 10 days "Vertical Integration Course for Trainers" (VICT) at HIMT, Chennai</li> <li>b. Completed 4 Weeks FDP on "Demystifying Networking" course conducted by IIT Bombay, on SWAYAM MOOCs platform</li> <li>c. Attended One-week FDP on "Academic Writing for Research" organized under the Ministry of Education sponsored by Pandit Madan Mohan</li> </ul>

	<p>Malaviya National Mission on Teachers and Teaching scheme organized by TLC Ramanujan College</p> <p>d. Completed 4 Weeks of FDP on the “LMS_MOODLE Essential Training” course conducted by NITTTR Chennai on the SWAYAM MOOCs platform</p>
22.	<p>Mr. Amit Kumar Singh</p> <p>a. Attended Workshop on Problem Formulation conducted by Teaching and Learning Centre of IIT Madras</p> <p>b. Participated in the Faculty Industry Supported Training (FIST) held on 11<sup>th</sup> and 12<sup>th</sup> of March 2022 organized by the Institute of Marine Engineers (India).</p> <p>c. Successfully completed a 4-Week Induction/Orientation Programme for “Faculty in Universities/Colleges/Institutes of Higher Education” from 19th June - 18th July 2021 and obtained Grade A+.</p> <p>d. Participated in the Online Training Programme on “E-Content Development” Conducted by NITTTR Chennai from 22nd - 26th March 2021.</p> <p>e. Participated in the Faculty Development Programme on “VLSI Design for Signals and Systems” organized by Assam Science and Technology University Guwahati under TEQIP III on February 28-29, 2020 at IIT Guwahati.</p> <p>f. Attended the Indo-German Spring School on “Algorithms for Big Data” at IIT Bombay from 18th to 22nd February 2019 jointly organized by IIT Bombay and German Research Foundation.</p> <p>g. Participated in the GIAN course on “Polymers and Hybrid Composites for the Application in Electronic and Photonic Devices” from 5th - 9th Nov 2018 organized by the Department of Physics and Department of Mechanical Engineering, NIT Durgapur.</p> <p>h. Participated in the Instruction Enhancement Programme (IEP) on “Mixed Signal &amp; RF IC Design” jointly organized by NIT Sikkim and IIT Kharagpur from 5th – 9th June 2017 at NIT Sikkim under Special Manpower Development Programme – Chip to System Design (SMDP-C2SD).</p>

	<p>i. Participated in the Faculty Development Programme on “Core VLSI Design” organized by E&amp;ICT IIT Guwahati held on 4th – 9th April 2017 at NIT Sikkim in association with Entuple Technologies.</p> <p>j. Participated in the workshop on “Mixed-Signal and RF Circuit Design” held at NIT Sikkim from 30<sup>th</sup> Sept - 1<sup>st</sup> Oct 2016</p>
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**m. Training programme conducted by the Faculty Members:**

<b>School of Maritime Management (SMM)</b>	
1.	Online training programme on Port & Shipping Management for Port Officials was conducted from 29th Nov to 3rd Dec 2021 for 13 participants from ChPT, Mumbai, New Mangalore, Paradip & Vizag Port respectively coordinated by Dr. B Swaminathan, Head & Associate Professor
2.	Dr. A Mourougane, Associate Professor has coordinated an ITEC programme sponsored by MEA, GOI.
3.	Dr. A Mourougane, Associate Professor as a resource person delivered at a conference organized by J.H.A. Agarson college
4.	Online training programme for VOC Port officials on Port Operating systems was conducted on 15 <sup>th</sup> & 16 <sup>th</sup> March 2022 coordinated by Dr. M Sekar, Asst. Professor
5.	Online training programme for VOC Port officials on “E-Pass, E-Delivery, and PCs (1x) was conducted on 15 <sup>th</sup> Feb, 2022 coordinated by Dr. M Sekar, Asst. Professor
6.	Dr. M Sekar, Asst. Professor gave a lecture on the topic AI-enabled Contract Management in Ports “Contract Management in Ports” on 17.2.22 (for VoC Port Officials) Dr. M Sekar, Asst. Professor conducted IMO Mock Session Competition in August 2021 for IMU students.
7.	Dr. Lekha Ravi, Asst. Professor delivered a lecture to students of Management (MBA & BBA) at AMITY Global Business school, Chennai on "Ethics and DEI in Business" on 09.03.2022 Wednesday @ 11.30 am.
8.	Dr. Lekha Ravi, Asst. Professor delivered a lecture to students of Management (MBA & BBA) at AMITY Global Business school, Chennai on "Ethics and DEI in Business" on

	09.03.2022 Wednesday @ 11.30 am Dr. Lekha Ravi, Asst. Professor, Completed MDP on 'India's Foreign Trade Policy'-The Road ahead, by World Trade Centre, Mumbai-April 2021.
9.	Online training programme for VOC Port officials on Port Operating systems was conducted on 15 <sup>th</sup> & 16 <sup>th</sup> March 2022 coordinated by Dr. M Sekar, Asst. Professor
10.	Online programme for VOC Port officials on "E-Pass, E-Delivery, and PCs (1x) was conducted on 15 <sup>th</sup> Feb 2022 coordinated by Dr. M Sekar, Asst. Professor
11.	Dr. M Sekar, Asst. Professor gave a lecture on the topic AI-enabled Contract Management in Ports "Contract Management in Ports" on 17.2.22 (for VoC Port Officials)
12.	Dr. M Sekar, Asst. Professor conducted IMO Mock Session Competition in August 2021 for IMU students.
13.	Dr. Lekha Ravi, Asst. Professor, organised Guest Lecture by an expert from Industry for students of international business
14.	Dr Lekha Ravi, Asst. Professor, was invited to deliver a lecture to students of Management (MBA & BBA) at AMITY Global Business school, Chennai on "Ethics and DEI in Business" on 09.03.2022 Wednesday @ 11.30 am.
<b>School of Marine Engineering and Technology (SMET)</b>	
15.	Organized and conducted a 5-Day Online Faculty Development Programme on "Emerging Trends in Shipping Industry" from 20.09.2021 to 24.09.2021. This programme was funded by AICTE Training and Learning (ATAL) Academy, New Delhi.
<b>School of Nautical Science (SNS)</b>	
16.	An entry-level Pilot training programme was successfully conducted from the date March- 7 <sup>th</sup> – to 22 <sup>nd</sup> . It was a standalone first such course conducted by IMU for the trainee pilots in detail training.
17.	GMDSS courses were conducted in December 2021 and Jan2022 for post sea officers' candidates on the Chennai Campus.

**n. Campus Placement (On Campus)**

#	Programme	Students Details		
		Total	Placed	% Placed
1.	DNS	32	8	<b>25</b>
2.	B.Sc.	94	5	<b>5</b>
3.	B. Tech	57	17 (As on 31.3.2022)	<b>30</b>
3.	BBA	28	21	<b>75</b>
4.	MBA	69	46	<b>67</b>
<b>Grand Total</b>		<b>280</b>	<b>97</b>	<b>35</b>

**o. Photos**



**Inauguration of Marine Engineering Workshops: Visit of the Hon'ble Minister**



**Marine Engineering Workshops: Pooja**



**MBA (PSM & ITLM)**



**SMM Faculty & Staff**



**BBA (Logistics, Retailing & E-Commerce)**



**MBA & BBA Students' Vist to Chennai Port**



**Release of SMET e-MAGAZINE, "PURPLE STRIPES"**



**Marine Engineering Workshop Inauguration**

## Guest Lecture on 'Grooming of Cadets for Good Sea Career' for B.Tech (ME) Cadets





**VISIT TO L&T SHIPBUILDING, KATTUPALLI**

**RESOURCE PERSONS**  
**ATAL SPONSORED FDP**

**"EMERGING TRENDS IN SHIPPING IN SHIPPING INDUSTRY"**  
**20-24 SEPTEMBER 2021**

The banner also features the logos of the Institute of Maritime Studies (IMS) and the All India Council of Technical Education (AICTE).

**FDP by SMET, IMU Chennai Campus**



**Firefighting Training**



**Navigation Lab Training**



**Survival Training**



**Workshop Training for Nautical Cadets**



**Entry Level Pilot Training Programme – March 7 to 25, 2022**



**Blood Donation Camp at IMU-Chennai Campus**



**Republic Day Celebrations**

## 13. IMU Kochi Campus

### a. Brief History of the Campus

- i. The Smart city of Kochi enjoys a rich maritime history and is home to esteemed maritime establishments such as the Cochin Port Trust, Cochin Shipyard Limited, the Indian Navy's Southern Naval Command, the International Container Trans-shipment Terminal and a host of other ancillary industries supporting the maritime sector including the ship building and repair industry.
- ii. The Indian Maritime University Campus in Kochi was inaugurated in 2009 on a 2.6 Acre plot of land on lease from Cochin Port Trust, to complement these establishments. The campus was relocated to a sprawling 10-acre campus in SERA, Willingdon Island in September 2016.

### b. Name of the Campus Director

#	Name	Period
1.	Shri Muhammed Shaji E [Director i/c]	01.04.2021 to 26.08.2021 18.02.2022 to 31.03.2022
2.	Dr. Cheepurupalli Suryanarayana	27.08.2021 to 17.02.2022

### c. Academic programmes offered in the Campus during the period

#	Programme	Category	Total students in the Campus during the period
1.	3 Year B.Sc. (NS)	UG	102
2.	3 Year B.B.A (LR&E)	UG	110
3.	2 Year M.B.A (IT&LM)	PG	74
4.	2 Year M.B.A (P&SM)	PG	36
<b>Grand Total</b>			<b>322</b>

#	Programme	Sanctioned Annual Intake	Students admitted during 2021 – 22					Total
			SC	ST	OBC-NCL	Women	General	
1.	B.Sc. (NS)	40	6	4	19	3	11	40
2.	B.B.A (LR&E)	51	2	0	28	11	17	47
3.	M.B.A (IT&LM)	39	3	0	17	9	17	37
4.	M.B.A (P&SM)	39	0	0	5	2	3	8
<b>Grand Total</b>		<b>169</b>	<b>11</b>	<b>4</b>	<b>69</b>	<b>25</b>	<b>48</b>	<b>132</b>

#	Programme	Students studying in Campus during 2021-22			
		1 <sup>st</sup> year	2 <sup>nd</sup> year	3 <sup>rd</sup> year	Total
1.	B.Sc. (NS)	40	36	26	102
2.	B.B.A (LR&E)	47	26	37	110
3.	M.B.A (IT&LM)	37	37	-	74
4.	M.B.A (P&SM)	8	28	-	36
<b>Grand Total</b>		<b>132</b>	<b>127</b>	<b>63</b>	<b>322</b>

#	Programme Name	Sanctioned Annual Intake	Students studying in Campus during 2021-22 (Total)					Total
			SC	ST	OBC-NCL	Women	General	
1.	B.Sc. (NS) (1st year)	40	6	4	19	3	11	40
2.	B.Sc. (NS) (2nd year)	40	3	1	22	2	10	36
3.	B.Sc. (NS) (3rd year)	40	3	0	5	0	18	26
4.	B.B.A (1st year)	51	2	0	28	11	17	47
5.	B.B.A (2nd year)	51	1	0	15	5	10	26
6.	B.B.A (3rd year)	51	3	0	15	6	19	37
7.	M.B.A (IT&LM) (1 <sup>st</sup> year)	39	3	0	17	9	17	37
8.	M.B.A (IT&LM) (2nd year)	39	0	0	23	18	14	37

9.	M.B.A (P&SM) (1st year)	39	0	0	5	2	3	<b>8</b>
10.	M.B.A (P&SM) (2nd year)	39	0	0	10	5	18	<b>28</b>
<b>Grand Total</b>		<b>429</b>	<b>21</b>	<b>5</b>	<b>159</b>	<b>61</b>	<b>137</b>	<b>322</b>

**d. Details of Faculty and Academic Staff:**

#	Programme Name	Regular	Contract	Visiting	Total
1.	B.Sc. (NS)	4	1	5	<b>10</b>
2.	B.B.A (LR&E)	2	2	13	<b>31</b>
3.	M.B.A (IT&LM) & M.B.A (PSM)			14	
<b>Grand Total</b>		<b>6</b>	<b>3</b>	<b>32</b>	<b>41</b>

**e. Details of Administrative and other Staff**

#	Department	Designation	Regular	Contract	Outsourcing	Visiting	Total
1.	Administration	Campus Director	1	-	-	-	<b>1</b>
2.		Deputy Registrar (i/c)	1	-	-	-	<b>1</b>
3.		Sr. Admin Assistant	-	-	1	-	<b>1</b>
4.		Assistant (Admin)	2	-	-	-	<b>2</b>
5.		Assistant (Academic)	-	-	1	-	<b>1</b>
6.		Hostel Warden	-	-	-	1	<b>1</b>
7.		Medical Officer	-	-	-	1	<b>1</b>
8.	Finance	Assistant Registrar (Finance)	1	-	-	-	<b>1</b>
9.		Assistant (Finance)	2	-	-	-	<b>2</b>
10.	Library	Assistant Librarian	1	-	-	-	<b>1</b>
		Library Assistant	1	-	-	-	<b>1</b>
11.	Maintenance	Jr. Electrical Engineer	-	-	1	-	<b>1</b>
		Electrician	-	-	1	-	<b>1</b>
<b>Grand Total</b>			<b>9</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>15</b>

**f. Accolades won in Competitions/Events by Students, Staff & Faculty**

Name of the Student	Name of the Event / Competition	Organised / Conducted By	Rank/ Position / Achievement	Photo
Ann Tessa Joseph, B.Sc. (NS)	-	Sponsored by the Mediterranean Shipping Company (MSC), Kochi (India Office)	'Best Female Cadet for the year 2021-2022'	
Dawn Joseph Sunu, B.Sc. (NS)	Terre Green Olympiad (Online) 2021	TERRE Policy Centre, Pune, Maharashtra	Winner - 'Best Poster'	
Emmanuel Alex, B.Sc. (NS)	Terre Green Olympiad (Online) 2021	TERRE Policy Centre, Pune, Maharashtra	Winner - 'Best Slogan and Poster'	
Cadets Jayesh Arya, Aswin, Ankit Raj and Hitesh Gupta of B.Sc. (NS)	Quiz Competition-SIMS Olympiad (Online) 2021	Hindustan Institute of Maritime Training, Chennai, Tamil Nadu.	Winners	 Jayesh Arya  Aswin  Ankit raj  Hitesh Gupta

Monis Najir Pagarkar and Sreehari Sudeep of B.Sc. (NS)	Find the Regulation - SIMS Olympiad (Online) 2021	Hindustan Institute of Maritime Training, Chennai, Tamil Nadu	Winners	 Monis Najir   Sreehari Sudeep
Gaurav Pandey and Aaditya Upadhyay of B.Sc. (NS)	Debate Competition - SIMS Olympiad (Online) 2021,	Hindustan Institute of Maritime Training, Chennai, Tamil Nadu.	Runners-Up	 Gaurav Pandey   Aaditya Upadhyay
Jayesh Arya, Hitesh Gupta, Antes Benny and Dheeraj Sudheer of B.Sc. (NS)	M-Heads – Online Maritime Quiz Competition’, (Online) 2021	Indian Maritime University Chennai Campus, Chennai, Tamil Nadu.	Runners-Up	 Antes Benny   Dheeraj Sudheer
Gautham Sivakumar and Aaditya Upadhyay of B.Sc. (NS)	Quiz Competition - IMO Mock Session 2021	Indian Maritime University Chennai Campus, in association with DMET-MERI Alumni & Institute of Marine Engineers (India).	Runners-up	 Gautham Sivakumar

Anandmohan B. R., B.Sc. (NS)	Walkaholic - Walking Competition	Indian Maritime University Kochi Campus.	Winner	 Anandmohan B. R.
Ankit Raj, B.Sc. (NS)	Essay Competition - Azadi ka Amrit Mahotsav celebrations	Indian Maritime University	Winner	 Ankit Raj
Hitesh Gupta, B.Sc. (NS)	Featured in an article in the Maritime SheEO Magazine	Indian Maritime University	Best Student of the Semester'	 Hitesh Gupta

- i. The following Students of M.B.A. (ITLM) - Samuel Varghese, Alan Abraham, S Nandakishore Menon, Amal P. Aravind, Shivadarshana T. P., Vishnu S. Nair, Anusree S. L., Ahkilesh Kumar N. S., Megna Sunil, Noopura Ashokan, Soumya B., Malavika V. S. and Students of M.B.A. (PSM) – S. Arun Kumar, Harisankar S., Rabah K. R., Rithik Manohar are the Runners-Up in the 'Logistics Game'

					
Samuel Varghese	Alan Abraham	S. Nandakishore Menon	Amal P. Aravind	Shiva Darshana T.P.	Vishnu S. Nair

					
Anusree S. L.	Ahkilesh Kumar N. S	Megna Sunil	Noopura Ashokan	Soumya B.	Malavika V. S.
					
S. Arun Kumar	Harisankar S	Rabah K. R.	Rithik Manohar		

### **g. Major Extracurricular Activities Undertaken**

- i. Azadi Ka Amrit Mahotsav, an initiative by the Government of India, to celebrate and commemorate 75 years of Indian Independence is being observed through a series of events from 15/03/2021 to 22/08/2022. The following activities were undertaken by IMU Kochi Campus, as part of said initiative:

- (a) 17<sup>th</sup> September, 2021 – An online Singing competition (Patriotic songs) was organised by IMU Kochi Campus, with participation of students from schools, in and around Kochi.
- (b) 31<sup>st</sup> October, 2021 - IMU Kochi Campus had participated in a Walkathon publicity drive organised by The Mercantile Marine Department, Kochi.

- (c) 1<sup>st</sup> November, 2021 to 14<sup>th</sup> November, 2021 – An online Quiz Competition was organised by IMU Kochi Campus, with participation of all IMU Campuses and Affiliated Institutes.
- (d) 24<sup>th</sup> December, 2021 – Cadets of IMU Kochi Campus had organised a Public Awareness programme, held at the Cochin Port Trust Avenue.
- ii. The International Day of Yoga was celebrated on 21<sup>st</sup> June, 2021, COVID-19 pandemic, in the form of a Virtual meet and online Yoga session organised by IMU in association with AIMPA and the Maritime Fraternity Group.
- iii. The 75<sup>th</sup> Independence Day of India was celebrated on 15<sup>th</sup> August, 2021.
- iv. The Hindi Pakhwada 2021 was observed from 14<sup>th</sup> September, 2021 to 28<sup>th</sup> September, 2021 commemorating the adoption of Hindi as an Official Language of India. Activities undertaken comprised of public display of 'Quote of the Day' in Hindi and an online Hindi Poetry recitation competition with participation of all Staff/Faculty.
- v. A Career guidance Programme was conducted by Shri Muhammed Shaji E, Associate Professor, on 30<sup>th</sup> September, 2021 for employees of Cochin Port Trust.
- vi. The Clean India Campaign was observed from 1<sup>st</sup> October, 2021 to 31<sup>st</sup> October, 2021 at IMU Kochi Campus. Activities undertaken comprised of cleaning and disposal of unwanted papers/stationary in the Administrative and Academic sections; Disposal of old answer scripts & related exam materials; and Assessment and disposal of accumulated scrap materials.
- vii. The Special Campaign for disposal of pending matters was observed from 2<sup>nd</sup> October, 2021 to 31<sup>st</sup> October, 2021 at IMU Kochi Campus. Activities

undertaken comprised of settlement of public grievances/queries - RTI matters, Students issues & Audit queries; Records Management; Measures for simplification of administrative procedures; Issuance of pending marksheets/documents to students.

- viii. The 100 Crore Vaccination Campaign was observed on 21<sup>st</sup> October, 2021, in commemoration of the achievement of 100 Crore Vaccination mark by the Government of India. Publicity of said achievement was done by digital display and Posters in bilingual mode.
- ix. The Vigilance Awareness Week 2021 was observed from 26<sup>th</sup> October, 2021 to 01<sup>st</sup> November, 2021 highlighting the theme 'Independent India @75 – Self Reliance with Integrity' with flex banners, posters & digital content being showcased in the Campus. All students and staff had undertaken the Integrity Pledge and participated in an Essay writing competition.
- x. Swachhta Pakhwada 2021, as part of the Swachh Bharat Abhiyan, was observed from 1<sup>st</sup> November, 2021 to 16<sup>th</sup> November, 2021 with the participation of Faculty/Staff and maintenance personnel. Activities undertaken comprised of cleanliness and beautification drives; sanitation and disinfection of offices; maintenance and upkeep of hand wash/sanitizer dispensers; and conducting Webinars on COVID-19 awareness.
- xi. The 73<sup>rd</sup> Republic Day of India was celebrated on 26<sup>th</sup> January, 2022 with a flag hoisting ceremony honouring the nation.
- xii. The International Woman's Day was celebrated on 8<sup>th</sup> March, 2022, with an online Guest Talk on the topic 'Gender Justice – Constitutional Imperatives', and participation from all Students and Staff/Faculty.

xiii. The inauguration of the Workshop-cum-Simulator building at IMU Kochi Campus was undertaken by the Vice Chancellor, Indian Maritime University on 11<sup>th</sup> March, 2022.

xiv. IMU Kochi Campus had participated in the India Boat & Marine Show (4<sup>th</sup> Edition) organised by the Department of Ship Technology Alumni Society (DOSTAS), an Alumni Society of the Department of Ship Technology, Cochin University of Science & Technology (CUSAT) between 25<sup>th</sup> March, 2022 to 27<sup>th</sup> March, 2022. A Booth/Stall was set up for the event, spreading awareness about the Indian Maritime University and its Admission Programmes for the Academic Year 2022-2023.

#### **h. Industrial visits and educational activities**

i. Maritime Knowledge Series – A Series of Webinars were conducted by the School of Nautical Studies, IMU Kochi Campus to share valuable insight about various topics, pertaining to the Maritime Sector. The following Webinars were part of the series:

#	Date	Topic of Webinar	Guest Speaker(s) / Organisers
1	30 <sup>th</sup> April, 2021	Pilot Ladder Safety	Capt. Sanjeev Pande, All India Maritime Pilot' Association
2	28 <sup>th</sup> May, 2021	Sustainable Shipping & Clean Oceans	Shri N M C Nair, Chairman, Institute of Marine Engineers (India)
3	25 <sup>th</sup> June, 2021	Fair Future for Seafarers	The Institute of Marine Engineers (India) ; The Company of Master Mariners of India ; The Nautical Institute
4	25 <sup>th</sup> June, 2021	Combining Family Life with a Career at Sea	The Nautical Institute
5	8 <sup>th</sup> July, 2021	Environmental Governance- Three Approaches to Make A Change	Dr. Sunil Murlidhar Shastri, FRGS, FRSA

6	18 <sup>th</sup> August, 2021	The Future of Indian Ship Building Industry	Shri. Antony Prince, President & CEO, GTR Campbell Marine Consultants Ltd.
7	1 <sup>st</sup> October, 2021	Safety Equipment Onboard Ships	Shri Pradeep Sudhakar K., Ship Surveyor cum DDG (Tech), Mercantile Marine Department, Kochi
8	29 <sup>th</sup> October, 2021	Marine Insurance	Capt. Hari Subramaniam, Regional Head - Business Relations, Shipowners Club
9	30 <sup>th</sup> November, 2021	Working Onboard Gas Tankers	Capt. Boris Lisica, Teekay Tankers Ltd. (Retd.)
10	28 <sup>th</sup> December, 2021	Deep Sea Fishes Diversity and Ecology	Dr. Hashim Manjebayakath, Scientist D, Centre for Marine Living Resources & Ecology
11	28 <sup>th</sup> February, 2022	Preparations for a Sea Career	Capt Rajesh Tandon, FNI, President, V Ships India

ii. A Series of Webinars & online Panel Discussions were conducted by the School of Maritime Management, IMU Kochi Campus to share valuable insight about various topics, pertaining to the Maritime Sector. The following online events were part of the series:

#	Date	Topic of Webinar/ Panel Discussion	Guest Speaker(s) / Organisers
1	12 <sup>th</sup> November, 2021	Maritime Professional in the Emerging World Trade Scenario	Dr. Cyril George, Dy. Chairman, Cochin Port Trust (Retd.)
2	13 <sup>th</sup> November, 2021	Panel Discussion on Port & Shipping through COVID-19	Dr. Jayakumar, MD & CEO, Vizhinjam International Seaport; Dr. Rajesh Kumar, MD, GLO Shipping & Logistics; Shri. Prakash Iyer, GM, Sea Horse Group
3	07 <sup>th</sup> December, 2021	Online Orientation Programme for the freshers of Academic Year 2021-2022	Shri. Rajeev Neyyar, International Maritime Consultant Cdr. Gaurav Agarwal, Indian Navy (Retd.) Shri. Rajesh Doshi, Maritime Expert

4	08 <sup>th</sup> March, 2022	Gender Justice – Constitutional Imperatives	Prof. (Dr.) T. V. Subba Rao, Prof. Emeritus, Vivekananda School of Law and Legal Studies, New Delhi
5	16 <sup>th</sup> March, 2022	Insight on Port State Control Regime	Shri. A. B. Dutta, Secretary of the IOMOU, Secretariat, Goa
6	23 <sup>rd</sup> March, 2022	Professional Development in Marine & Logistics Sector	Dr. Cyril George, Dy. Chairman, Cochin Port Trust (Retd.)
7	30 <sup>th</sup> March, 2022	Sea Piracy - Genesis and The Maritime Response	Cdr. Alok Mathur, Naval Officer, Indian Navy (Retd.), Maritime Trainer

- iii. Cadets of B.Sc. (NS) Batch 2019-2022, had visited the Ship – Nefertiti Cruise, docked at Bolgatty Terminal Jetty, Kochi on 26<sup>th</sup> October, 2021.
- iv. Cadets of B.Sc. (NS) Batch 2019-2022 had visited the Cochin Shipyard Training Centre on 30<sup>th</sup> November, 2021.
- v. Cadets of B.Sc. (NS) Batches 2020-2023 & 2021-2024 had visited the Bolgatty Palace Event Centre, Kochi for attending the India Boat & Marine Show (4<sup>th</sup> Edition) organised by the Department of Ship Technology Alumni Society (DOSTAS), CUSAT, between 25<sup>th</sup> March, 2022 to 27<sup>th</sup> March, 2022.
- vi. Cadets of B.Sc. (NS) Batches 2019-2022 and 2020-2023 had participated in a Paper Presentation in the IMO Mock Session 2021, organised virtually by the Indian Maritime University Chennai Campus, in association with DMET-MERI Alumni & Institute of Marine Engineers (India), held between 16<sup>th</sup> April, 2021 to 15<sup>th</sup> August, 2021.
- vii. Cadets of B.Sc. (NS) Batch 2019-2022 had participated in a Research Paper presentation in the 'Safe and Modern Ideas for Pilot Transfer Arrangement (SAMIPTA)' Competition organised virtually by the Indian Maritime

University in association with the All-India Maritime Pilots' Association (AIMPA) from 15<sup>th</sup> May, 2021 to 15<sup>th</sup> June, 2021.

- viii. Cadets of B.Sc. (NS) Batch 2019-2022 had participated in a interactive session with Industry experts at the 'India Maritime Conference' organised virtually by INMEX SMM from 19<sup>th</sup> January, 2022 to 21<sup>st</sup> January, 2022.
- ix. The following cadets of B.Sc. (NS) Batch 2019-2022 had participated in a Technical Paper Presentation in an event organised virtually by the Indian National Shipowner's Association (INSA), Mumbai, Maharashtra on 8<sup>th</sup> January, 2022:

#	Names of Cadets	Topic of Paper
1	Brajesh Kumar Hitesh Gupta	Cyber Security - Regulatory Aspects and Data Theft in Maritime Industry
2	Ankit Raj Jayesh Arya	Sustainable Development in Shipping & Future of The Marine Vessel
3	Gaurav Pandey Sudhi Suresh	Human Issues in Current Shipping Scenario

- x. The following Orientation Training sessions were coordinated and conducted by Shri. Muhammed Shaji E., Associate Professor, School of Nautical Studies and the Fraternity of IMU Kochi Campus:

#	Period of Training	Topics of Orientation Training	No of Participants
1	20 <sup>th</sup> December, 2021 to 27 <sup>th</sup> December, 2021	<ol style="list-style-type: none"> <li>1. Role of Classification Society</li> <li>2. Life Saving Appliances</li> <li>3. Electrical Systems &amp; Safety</li> <li>4. Types of Inland Vessels</li> <li>5. Team Work</li> <li>6. Standard Operating Procedures</li> <li>7. Crisis Management</li> <li>8. First Aid Techniques</li> <li>9. Meteorology</li> </ol>	10 Floating Staff of Kochi Water Metro

		10. Navigational Instruments 11. Communication Skill & Stress Management 12. Types of Water Bodies & Coastal Navigation 13. Navigation & Communication Instruments 14. Kerala Inland Vessel Rules, 2010	
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xi. The following Training sessions were coordinated and conducted by Dr. Yogamala H.L., Assistant Professor, Head of Department (i/c), School of Maritime Management:

#	Period of Training	Topic of Training	No of Participants
1	21 <sup>st</sup> December, 2021 to 25 <sup>th</sup> December, 2021	Arbitration Strategy and Procedure	18 Senior Port Officers
2	14 <sup>th</sup> February, 2022 to 18 <sup>th</sup> February, 2022	Contract Management in Ports	12 Port Officers
3	21 <sup>st</sup> March, 2022 to 25 <sup>th</sup> March, 2022	Arbitration Strategy and Procedure	8 Port Officers
4	28 <sup>th</sup> March, 2022 to 1 <sup>st</sup> April 2022	Environment Management and Pollution Control	12 Port Officers

#### i. Distinguished Visitors to the Campus

#	Name of the Visitor and Designation	Date	Purpose of Visit
1.	Dr. Malini V Shankar, IAS (Retd.), Vice-Chancellor, Indian Maritime University	11 <sup>th</sup> March, 2022	Inauguration of the Workshop-cum-Simulator building at IMU Kochi Campus
2	Dr. M. Beena, IAS, Chairperson, Cochin Port Trust		
3	Shri S.I. Abdul Kalam Azad, Principal Officer (i/c), Mercantile Marine Department, Kochi		

**j. Campus Placements**

#	Programme Name	Students Details		
		Total	Placed	% Placed
1.	B.Sc. (NS) - Batch 2018-2021	12	11	92
2.	B.Sc. (NS) - Batch 2019-2022 [ONGOING]	26	0	0
3.	B.B.A. (LR&E) - Batch 2018-2021	30	0	0
4.	B.B.A. (LR&E) – Batch 2019-2022 [ONGOING]	37	0	0
5.	M.B.A (IT&LM) – Batch 2019-2021	34	7	21
6.	M.B.A (IT&LM) – Batch 2020-2022 [ONGOING]	37	5	14
7.	M.B.A (P&SM) – Batch 2019-2021	24	5	21
8.	M.B.A (P&SM) – Batch 2020-2022 [ONGOING]	28	2	7
<b>Grand Total</b>		<b>228</b>	<b>30</b>	<b>13</b>

**k. Photos**



Inauguration of the Workshop-cum-Simulator building at IMU Kochi Campus



Azadi Ka Amrit Mahotsav



Swachhta Pakhwada 2021



Vigilance Awareness Week 2021



Ship Visit – Nefertiti Cruise



Visit – Cochin Shipyard Training Centre



Student Regimental Activities

## 14. IMU Kolkata Campus

### a. Brief History of the Kolkata Campus

IMU Kolkata campus Symbolises the birth of Marine Engineering training in India. The Institute was established at the onset of independence in 1947 to satisfy the growing need of marine engineers in India. It was founded in 1949 by Pandit Jawaharlal Nehru as “Directorate of Marine Engineering Training” (DMET) with its headquarters in Calcutta and a branch at Bombay, under Ministry of Transport (Government of India). The institution was established to fulfill the constitution of India, refer seventh schedule, point no.25 - "Maritime shipping and navigation, including shipping and navigation on tidal waters; provision of education and training for the mercantile marine and regulation of such education and training provided by States and other agencies". Then Governor of West Bengal the late H.C Mookerjee leased the land from the Trusts of Calcutta Port to offer land for establishment of the campus at P-19, Taratala Road, Kolkata - 700088. It was renamed “Marine Engineering and Research Institute (MERI)” in 1995. MERI was a dream project of a new India as it was expanding its horizon in the marine field, starting with an initial intake of 60 cadets, today about 286 young and highly motivated Marine Officers are passing through her hallowed portals every year. After the formation of Indian Maritime University in 2008, MERI has become Indian Maritime University, Kolkata Campus (IMU-KC). The erstwhile Indian Institute of Port Management, Kolkata, a pioneer Post Graduate Management Institute in the domain of port, shipping and logistics management was set up by the Kolkata Port Trust, Govt. of India, in 1965 at Subhas Bhavan in the hub of port and

container terminals and subsequently taken over in 1977 by the Major Ports of India through the Indian Ports Association, New Delhi has also become a part of Indian Maritime University, Kolkata Campus. After 71 years since its inception, IMU-KC is regarded as the most acclaimed institute around the world for Maritime education. It has the latest state-of-the-art infrastructure and facilities for maritime education and training. Its 33 acres campus has 16500 Sq. mts of built-up area and 52% of the campus area is free area. Besides various class rooms, well equipped laboratories, simulators, separate library block with more than 23000 books and technical journals, separate hostels for boys and girls for 1392 students. The institute has a fully equipped, Olympic-size swimming pool cum life-saving training facility, one 1000 seated auditorium, one 250 seated Assembly Hall, one 8-bed infirmary with 24X7 medical assistance, a gymnasium with multi-gym facility and one workshop with various shops and a 6000 BHP marine propulsion Engine for training of the cadets. Ex-cadets of this institute are well established not only in shipping but also in many other areas of administrative services, management and entrepreneurships. Most advanced Full Mission Engine room simulator for about 7 ship types with Virtual Reality, C A DE59 Gas Turbine of 36000 HP that powered Rajput Class Frigates donated by Indian Navy are its new additions.

**b. Name of the Campus Director**

#	Name	Period
1.	Cmde. Ashok Bhal (Retd.)	01.04.2021 to 31.12.2021
2	Shri Eswara Arun Kishore [Director i/c]	01.01.2022 to 31.03.2022

**c. Academic programmes offered in the Campus during the period**

#	Programme	Category	Total students in Campus during the period
1.	4 Year B. Tech (Marine Engineering)	UG	<b>1013</b>
2.	2 Year MBA (International Transportation & Logistics Management)	PG	<b>37</b>
3.	2 Year M. Tech (Marine Engineering & Management)	PG	<b>13</b>
4.	Ph. D (Marine Engineering & Management)	Doctorate	-
<b>Grand Total</b>			<b>1063</b>

#	Programme	Sanctioned Annual Intake	Students admitted during 2021-22					Total
			SC	ST	OBC- NCL	General	Women	
1.	B. Tech (ME)	286	24	17	118	125	21	<b>284</b>
2.	MBA(IT&LM)	34	03	-	02	11	03	<b>16</b>
3.	M. Tech (ME&M)	22	-	-	02	04	-	<b>06</b>
<b>Grand Total</b>		<b>342</b>	<b>27</b>	<b>17</b>	<b>122</b>	<b>140</b>	<b>24</b>	<b>306</b>

#	Programme	Students studying in Campus during 2021-2022				
		1 <sup>st</sup> year	2 <sup>nd</sup> year	3 <sup>rd</sup> year	4 <sup>th</sup> year	Total
1.	B. Tech (ME)	284	276	227	226	<b>1013</b>
2.	MBA(IT&LM)	16	21	-	-	<b>37</b>
3.	M. Tech (ME&M)	06	07	-	-	<b>13</b>
<b>Grand Total</b>		<b>306</b>	<b>304</b>	<b>227</b>	<b>226</b>	<b>1063</b>

#	Programme	Students studying in Campus during 2021-2022 (Total)				
		SC	ST	OBC-NCL	General	Total
1.	B. Tech (ME)	113	61	351	488	1013
2.	MBA(ITLM)	04	-	06	27	37
3.	M. Tech. (ME&M)	-	-	02	11	13
<b>Grand Total</b>		<b>117</b>	<b>61</b>	<b>359</b>	<b>526</b>	<b>1063</b>

**d. “Standards of Training, Certification and Watchkeeping for Seafarers” (STCW) Modular Courses**

#	Course Title	Duration	Participants
1.	BST (PSSR, PST, EFA & FPF)	11 days	356
2.	STSDSD for B. Tech (ME)	14 hrs.	226
3.	MEO Class – I Preparatory Course	2 months	63
4.	Diesel Engine Combustion Gas Monitoring Simulator Course	3 days	33
5	Engine Room Simulator – Management level	5 days	18
6	Engine Room Simulator – Operation level	3 days	08
<b>Grand Total</b>			<b>704</b>

**e. MDP conducted**

#	Course Title	Duration (in days)	Period	No. of Participants
1	On-line Entry level Training for the Probationary Pilots of Paradeep Port Trust	15	April 26 – May 15, 2021	02
2	On-line programme on “Estate Management and GIS mapping of Estate” for VOC Port personnel	01	February 21, 2022	06
3	On-line programme on “Land Policy Guidelines” for VOC Port personnel	01	February 22, 2022	06
4	RTI for Deendayal Port personnel at Deendayal Port	02	March 28 -29, 2022	29

**f. Faculty and Academic Officer**

#	Name of the School / course	Regular	Contract	Visiting	Total
1.	School of Marine Engineering & Technology - B. Tech (ME) - M. Tech (ME&M)	10	16	11	<b>37</b>
2.	School of Maritime Mgt. - MBA (IT&LM)	03	01	04	<b>08</b>
<b>Grand Total</b>		<b>13</b>	<b>17</b>	<b>15</b>	<b>45</b>

**g. Details of Administrative and other Staff**

#	Department	Regular	Contract	Outsourcing	Total
1.	Administration & Establishment	14	02	04	<b>20</b>
2.	Finance & Accounts	11	-	-	<b>11</b>
3.	Housekeeping	09	-	38	<b>47</b>
4.	Training/PLA	08	-	01	<b>09</b>
5.	Examination	01	-	01	<b>02</b>
6.	Vehicle	03	-	-	<b>03</b>
7.	Stores	02	-	-	<b>02</b>
8.	Hostels/Guest House	02	-	09	<b>11</b>
9.	Workshop & Laboratory	11	-	18	<b>29</b>
10.	Library	03	-	01	<b>04</b>
11.	Security	10	-	42	<b>52</b>
12.	Medical - Dispensary	02	01	01	<b>04</b>
14.	Mess	32	-	07	<b>39</b>
<b>Grand Total</b>		<b>108</b>	<b>03</b>	<b>122</b>	<b>233</b>

**h. Sports, Cultural, Literary competitions participated by students**

- i. The cadets of IMU-KC took part in the IMO Mock Session competition and set up bench marks of high order. The following teams won prizes in the HTW Segment: Improving on board training as under:

#	Prize	Team	Team Mebers	Photographs
1	Winner	A2	Anirban Bhattacharjee Ritbik Kumar Ankur Kundu Sayak Sen	

## IMarEST Annual Conference 2021



IMarEST is an international membership body & society focusing on the field of Marine Engineering science & technology. It is also a member of UK Science Council.

The Annual Conference of 2021 was held 28 Jun – 09 Jul ,2021 and viewed by people all over the world. On 02 Jul 2021, there were 3 teams out of which 2 were from

### **Indian Maritime University, Kolkata Campus**

The hosts for the conference were

Ms. Julia Jacoby, Prof. William Megill and Ms. Caitriona

Topic of the Paper

#### **Challenges of Autonomous Ships**



Sarthaki Bhadra



Prateek Rana

Topic of the Paper

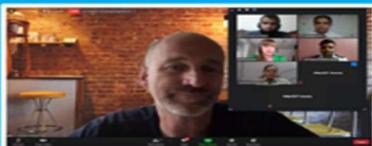
#### **Overview of implementation of drones in maritime industry**



Anirban Bhattacharjee



Saideep Dutta



Nishant Neeraj Gade

### **Cadet Kartik Keshari,**

a 3rd year B.Tech(Marine Engg) cadet of IMU Kolkata was declared National Winner of a Quiz Competition.

*Organized by -*

#### **Sthaapna**

Sthaapna is a Youth Organisation, with the aim to produce young leaders for new India.

In lieu of its endeavors, Sthaapna organised a series of National quiz competition with the theme "*The Thinkers of Indian Nationalism*".



**Congratulations and best wishes for your next adventure !!**

**TECHNOVISION 2021 – OVERALL WINNER – IMU KOLKATA CAMPUS**

**TECHNOVISION SCOREBOARD**

1. INDIAN MARITIME UNIVERSITY, KOLKATA -	20
2. INDIAN MARITIME UNIVERSITY, MUMBAI	11
3. TOLANI MARITIME INSTITUTE	11
4. INDIAN MARITIME UNIVERSITY, CHENNAI	6
5. SRI VENKATESWARA COLLEGE OF ENGINEERING-	4
6. SAMUNDRA INSTITUTE OF MARITIME STUDIES	3

	1 <sup>st</sup> Prize	2 <sup>nd</sup> Prize
1. Technical Paper :	Rs.2000	1500
2. Technical Debate :	Rs. 2000	1500
3. Marine Quiz :	Rs.1500	1000
4. Marine Machinery :	Rs.1000	500
5. Pipeline Trading :	Rs.1000	500
6. Electrical Skills :	Rs.1000	500
7. Flag Frozy :	Rs.1000	500
8. Geo Mapping :	Rs.1000	500
9. Mascot :	Rs.1000	500
10. Doodle Art :	Rs.1500	1000

**BEST PERFORMING COLLEGE - DIGITAL TROPHY**

Ritvik Kumar	Wamiq Asrar	Sourin Karmakar	Satya Parakram Sathpathy	Anshuman Singh	Bharvi Tripathi

Abhishek Anand	Sarthki Bhadra	Abdul Kaif Siddiqui	Roma Kumari	Aman Shukla	Raj Tamang

**Cadet Pooja Samant**

1st year B.Tech (Marine Engineering) Cadet from IMU, KOLKATA Campus was awarded as the Best Poster in Online National Poster Making Competition.

**Achievement : Best Poster**

Organized by

Rashtriya Kala Manch Goraksh Prant (Uttar Pradesh)



*'Warmest Congratulations on her achievement and best wishes from IMU for her next adventure.'*

PAPERS SELECTED FOR PRESENTATION : IAMUC – AGA 21			
Sl	Team Members	Topic	Photo
1.	Ritbik Kumar Sourin Karmakar Wamiq Asrar	Comprehensive Insight into Digital Twins and Smart Ships	
2.	Anirban Bhattacharjee Moubani Sarkar Saideep Datta	An Overview of Implementation of Drones in Maritime Industry	
.	Vidit Kartikeyan Bhasker Harshit Vats Dinesh Mandal	Spill proof design for Bulk carriers and tankers using integrated Detachable Container	
4.	Ravi Prakash (2018 Entry) Alex Poullose (2018 Entry) Siddharth Priyadarshi (2019 Entry)	Statement for Future Pandemic	

- ii. Cricket: IMU-Kolkata campus cricket team won the runner-up trophy in inter-college championship (across West Bengal) conducted by **Budge Budge Institute of Technology; Kolkata**.
- iii. Badminton: IMU-Kolkata campus Badminton team won the winner certificate in inter-college championship (across West Bengal) conducted by **Budge Budge Institute of Technology; Kolkata**. Cadet Saurav Gupta got the winner position in men single and double event.
- iv. IMURMI 2021 online cultural programme: IMURMI 2021 online cultural programme was the great online event for IMU-Kolkata. There were two modes of participation [online & offline]. In this mega cultural programme, there were 18 numbers of events. Around 58 cadets of IMU-Kolkata have participated and got the overall championship.

- v. World Maritime Day: This is the big online event organised by IMU-Kolkata. There are 10 events to participate among the inter IMU. The events are- Debate, Maritime Quiz, Pencils Sketching, Painting, Singing, Solo Dancing, Recitation, Talent Hunt, Photography, Stand-up Comedy. IMU-Kolkata has secured the 77 marks in all-round and got the group champion.
- vi. NCC CATC KB-7 Camp: This leadership camp started on 09<sup>th</sup> February-18<sup>th</sup> February 2022. Forty three students of IMU-KC have participated in the said Camp along with total 300 cadets from other institutions in and around Kolkata.
- vii. NCC 'B' & 'C' Certificate exam: Air NCC 'B' & 'C' certificate exam was conducted in the IMU-Kolkata campus on 8<sup>th</sup> March & 27<sup>th</sup> March 2022. In the 'B' certificate total 1300 cadets have taken part and out of those 33 cadets are from IMU-Kolkata. On the 'C' certificate exam a total 786 cadets have participated out of that 13 Cadets are from IMU-Kolkata.

**i. Papers submitted / presentation made by faculty / staff**

- i) Shri Eswara Arun Kishore, Associate Professor, IMU – KC presented a paper at the international bi-annual conference of Cryogenics Engineering Council (CEC-ICMC, USA) Titled “Numerical Computation of Boil-off Rate (BoR) in Shipboard LNG Tanks. It was held on 21<sup>st</sup> July 2021.
- ii) Shri R Prasanna Kumar, Associate Professor, IMU-KC Published a paper titled Automation of Framo Cargo Pump Purging with IoT in the International Association of Maritime Universities 21<sup>st</sup> Annual General Assembly & Conference during October 26-28, 2021.

- iii) Shri R Prasanna Kumar, Associate Professor, presented a paper at OCEANS 2022 Chennai held from February 21 to 24, 2022 as a hybrid conference.
- iv) Shri Toorban Mitra, Research Officer, presented a paper titled “Measurement of Stress amount Marine Engineers: A Methodological Intervention” and accepted in the International Maritime Transport and Logistics Conference (Marlog 11) schedule to be held on March 20-22, 2022.
- v) Shri M K Sa, Library Assistant, IMU-KC along with Shri N Barik and P K Nikhandia published a paper titled “Publication patterns and trends of two premier Indian LIS journals: An analysis of Scopus indexed international papers” in the Library Philosophy and Practice (e-journal) (6441).
- vi) Shri M K Sa, Library Assistant, IMU-KC along with Shri M Dora and Shri T K G Kumar published a paper titled “Quality Attributes of Open Access Journal: A Case Study of Selected Open Access LIS Journals from India” in The Seras Librarian, 81(3-4), 253-264, DOI: 10.1080/0361526X.2021.2009957.

**j. Special activities undertaken at IMU-KC**

- i. Organized Free Medical Camp for testing COVID-19 for employees and family members staying inside the Campus with the help of Kolkata Municipal Corporation (KMC) on 11 May 2021.

- ii. All employees of IMU-KC observed “Anti-Terrorism Day” on 21st May 2021 by taking anti-terrorism pledge.
- iii. All employees of IMU-KC took part in the Minute-to-Minute programme on the International Yoga Day on 21st June 2021 through Zoom meeting organized by IMU HQ.
- iv. Following activities were undertaken as a part of Azadi Ki Amrut Mahotsav:
  - (a) Competitions like Drawing, Singing, Solo Dancing, Recitation and Talent Hunt and Essay Writing for school were held during t 24<sup>th</sup> week from 23/08/2021 to 29/08/2021.
  - (b) Career Guidance, Nutrition & Exercise, Yoga and Self Defence Techniques were organized for the employees and their family members during the 30<sup>th</sup> week from 04/10/2021 to 10/10/2021.
  - (c) Massive publicity campaign was arranged depicting the development and growth of the Nation since 1947 during the 41<sup>st</sup> week from 20/12/2021 to 26/12/2021.
- v. All students and employees were invited to take part in the 750 events organized by Ministry of Youth Affairs & Sports and Fit India Freedom Run 2.0 – Azadi Ka Amrut Mahotsav issued by Ministry of Higher Education. On that occasion all employees of IMU-KC took part in the “Fitness Ki Dose, Aadha Ghanta Roz” at the IMU-KC Gym complex on 13 August 2021

- vi. A RT-PCR testing camp with the help of KMC was organized for 226 cadets on August 13 and 14, 2021.
- vii. 75<sup>th</sup> Independence Day celebrated at IMU, Kolkata Campus on 15<sup>th</sup> August 2021. A “Tree Plantation Drive” in association with DMET Alumni was undertaken with full josh & enthusiasm.
- viii. Celebrated World Maritime Day on 30 Sep 2021 with inter Campus cultural and other related activities like Debate, painting, Pencil Sketching, Singing, Solo Dancing, Talent Hunt, Photography, stand-up Comedy, Event presentation, Guest Lecture, etc.
- ix. As part of World Maritime Day & Azadi Ka Amrut Mahotsav, a Blood Donation Camp in collaboration with Navy Foundation, Kolkata Chapter and Eastern Command Transfusion Centre, was held on 23 Sep 2021. A total of 60 people including Employees, HOD, Faculty and students donated blood.
- x. Teachers’ Day was celebrated on 06 September 2021. On this occasion, 3 Faculty from the School of Marine Engineering & Technology presented “Teachers Day celebration – innovative learning process”.
- xi. Observed Special Campaign of Clean India Drive from 02 - 31 Oct 2021 to dispose of important pending matters as per direction of Hon’ble Prime Ministry of India.

- xii. Observed Vigilance Awareness Week 26 Oct to 01 Nov 2021 with programmes including Integrity Pledge, hoisting display banner, Essay Writing competition of students and employees, etc.
- xiii. Swachhta Pakhwara weeks held from November 01 – 15, 2021. Various activities like Introduction and display in website, On-line PPT competition, special emphasis for sanitisation, cleaning of Campus, Do-it-yourself competition, plantation drive, Write up competition “It’s our planet, don’t throw it away”, Essay Writing competition on “Clean India”, disposal of medical waste, On-line Quiz competition “Clean & Green is our perfect dream, On-Line painting “Ek Kadam Swatchhata ki Ore”, Virtual Slogan competition “Cleanliness is next to Godliness”, Making short Video on Swachhta Bharat, prize distribution ceremony along with motivational speech etc.
- xiv. Hindi Diwas 2021 was observed at IMU-KC and efforts has been taken for more use of Hindi language in official matters.
- xv. Clean India Drive observed from October 02 to 31, 2021 initiated disposal of all pending activities within the purview of Clean India Drive.
- xvi. Samvidhan Diwas (Constitution Day) observed at IMU-KC on 26 November 2021 at IMU-KC. On the occasion, preamble was read out by all the employees of IMU-KC.

- xvii. Observed Communal Harmony Campaign from November 19-25, 2021 and Flag Day on 25<sup>th</sup> November 2021. All employees of IMU-KC contributed donation to the fund of the National Foundation for Communal Harmony.
- xviii. An online workshop on Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013 was organized by the ICC , IMU, Kolkata on 09 December 2021 which was attended by all female employees and students of IMU, Kolkata Campus.
- xix. Successfully underwent a final inspection towards CIP compliance by Classification Society (Lloyds Register) as per DGS stipulations on 03 September 2021 with graded A1.
- xx. Successfully completed the 'Fire & Electric Safety Audit' during 25 – 27 Aug 2021 by National Safety Council.
- xxi. ISO 9001:2015 Renewal Audit through IRS successfully completed on 31.08.2021
- xxii. Unitest Virtual Reality Training Simulator Installed for training of students.
- xxiii. Fire Fighting Mock-up made ready by installing all fittings & fixtures.
- xxiv. Installed of a new Electric Sub Station with capacity of (2 x 630) KVA, 11/0.433 KV.

xxv. International Women's Day celebrated on 08<sup>th</sup> March, 2022 with competition of solo dancing/singing, Recitation, Essay competition and special lecture held.

### I. Distinguished Visitors

#	Name of the Visitor	Date of visit	Purpose of visit
1	Mr. Debasish Majumdar Managing Director M/s. Seed Maritime, UK	18.10.2021	Addressed to all students of IMU-KC
2	Cmde. Rajeev Bansal (Retd.) Ex. Director, Training Ship Chanakya, Navi Mumbai	26.10.2021 and 29.10.2021	Special Lecture on "Officer, Leader & Manager" for new entry students of IMU-KC
3	Mr. Debasis Majumdar, Managing Director, Seed Maritime, UK	18.10.2021	Visit to IMU-Kolkata Campus and address to all students of IMU, Kolkata Campus

### n. Training programmes under taken by the employees of IMU-KC

#	Name of the programme & Date held	Organised by	Participants
1	AECS (IMO Model Course 3.12) 19-31 July, 2021	MASSA Maritime Academy, Chennai	Shri S K Panda Associate Professor
2	4-Week Orientation Programme 19 June- 18 July, 2021	Ramanujan College, Delhi	Shri C Sarkar, Asst. Professor Ms.Riya Ghosh, Faculty (IT&LM) on Contract Shri Shibsankar Biswas, Faculty (Electrical Engg.) on Contract Shri P Bastia, Faculty (Mech. Engg.) on Contract
6	AECS 19-31 July 2021	MASSA Maritime Academy, Chennai	Shri R Prasanna Kumar, Associate Professor

7	Workshop on “Handling of CAT/Court cases (H-CAT-07) Dec. 27 – 29, 2021	ISTM	Shri Toorban Mitra Research Officer
8	e-Tendering Procedure (e-Tendering-01) Dec 24, 2021	ISTM	Shri Atanu Mukherjee Jr. Officer (Admn.) and AR(i/c)
9	Circular on Special Orientation training Programme on Central Public Procurement Portal & Govt. e-Marketplace (CPPP & GeM-01) Nov 29 – Dec 1, 2021	ISTM	Shri Atanu Mukherjee Jr. Officer (Admn.) and AR(i/c)
10	Special Workshop on Financial Management for PSUs and other Autonomous Bodies Dec 20-24, 2021	ISTM	Shri Anurag Vishwakarma Assistant Registrar (F)
11	Formulation of Budget (WFB-12) Dec 20-21, 2021	ISTM	Shri Samrat Chakraborty Assistant (Accounts)
12	Vertical Integration Course for Trainers 31 Jan – 10 Feb 2022	Hoon Maritime Institute	Dr. Sujoy Saha Faculty (Mech. Engg.) (On Contract)
13	2 Credit course on Academic Research & Report Writing	NITTTR	Shri Surajit Ghosh Assistant Professor
14	Artificial Intelligence In the Energy Sector: Opportunity and Challenges (Aug 9-13, 2021)	NITTTR	Shri Deepak Mishra Assistant Professor
15	Framework for online Assessment (Aug 16-20, 2021)	NITTTR	Shri Deepak Mishra Assistant Professor
16	Novel Nanostructured Mg based alloy for industrial and biomedical applications (Aug 30- Sep 03, 2021)	JNNCOE Shimoga	Shri Deepak Mishra Assistant Professor
17	Assessment, Examination & Certification of Seafarers (July 19-31, 2021)	Massa Maritime Academy	Shri Shankar Mitra Assistant Professor
18	Vertical Integration Course for trainers (Aug 16 – 26, 2021)	Hoon Maritime Institute	Shri S K Badhan Assistant Professor

19	Recent Computational Strategies for Conditions Monitoring of High Voltage Equipment (Sep 18-24, 2021)	NIT, Patna	Shri S K Badhan Assistant Professor
20	Additive Manufacturing: Current Trends and Prospects towards Developing AM Research (Oct 25-29, 2021)	IIT, Kanpur	Shri S K Badhan Assistant Professor
21	Workshop on “Moocs, Online Courses & OER (Feb 14-19, 2022)	UGC-HRD Centre	Shri Surajit Ghosh Assistant Professor

### o. Campus Placements

#	Programme Name	Students Details (passed out)		
		Total	Placed	% Placed
1	B. Tech (ME)	278	239	86
2	MBA (IT&LM) (ending in June 2021)	15	15	100
3	M. Tech (ME&M)	04	02	50
<b>Grand Total</b>		<b>297</b>	<b>256</b>	<b>86</b>

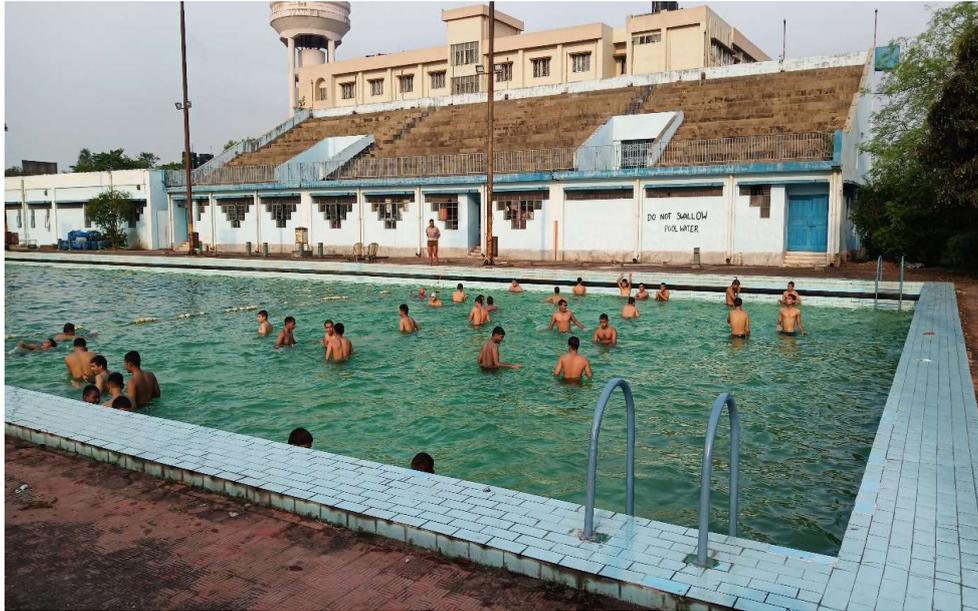
## P. Photographs



**New Academic Building**



**Girls Hostel**



**Swimming Pool**



**Medical Centre**

## Vigilance Pledge and Essay Competition



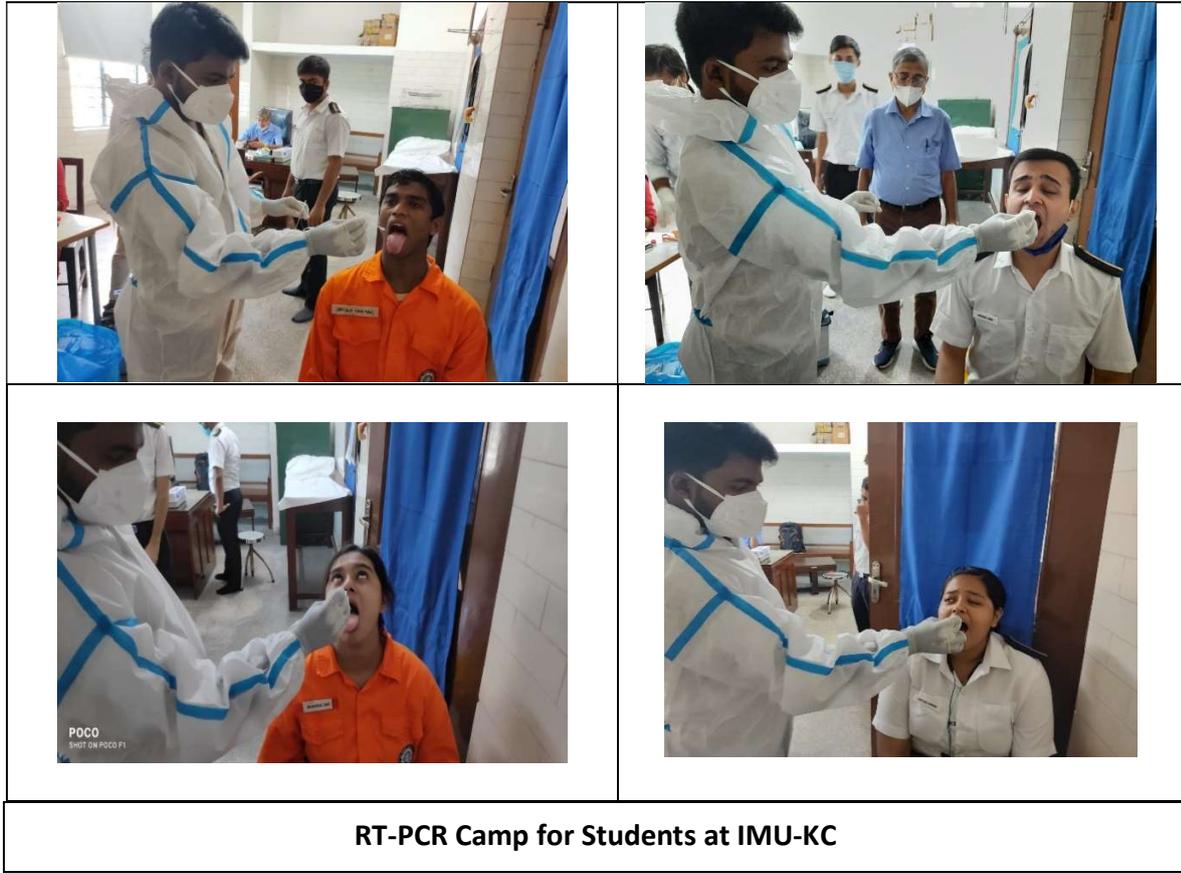
Speech of President of India administered by Campus Director



Prize distribution for Essay Writing Competition of IMU-KC employees

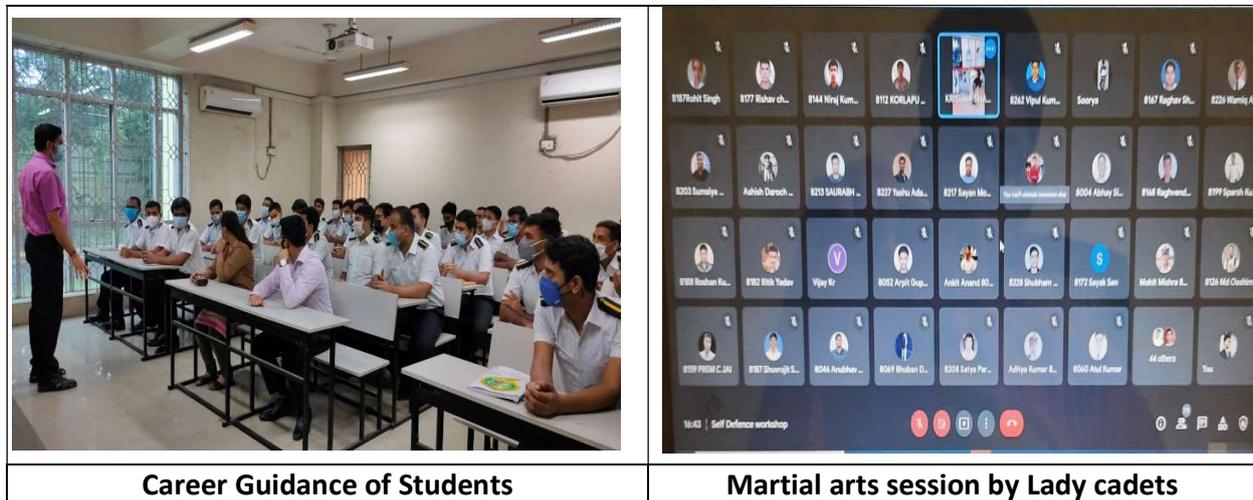


Integrity pledge administered by Campus Director





**Blood Donation Camp**



**Career Guidance of Students**

**Martial arts session by Lady cadets**



**Speech on Nutrition & exercise**



**Photography competition by the employees**



**Drawing by the family members of employees**



**Yoga for students**

**Activities of Aazadi Ki Amrut Mahatsab**



**Constitution Day – Read out Preamble of the Constitution by employees**



**Sports on Teachers Day**



**IMU-Kolkata campus cricket team won the runner-up trophy in inter-college championship conducted by Budge Budge Institute of Technology; Kolkata**



**Badminton: IMU-Kolkata campus Badminton team won the winner certificate in inter-college championship conducted by Budge Budge Institute of Technology; Kolkata**



**NCC CATC KB-7 Camp**

## 15. IMU Mumbai Port Campus

### a. Brief History of the Mumbai Port Campus

- i. Two Premier legacy Institutes namely Lal Bahadur Shastri College of Advanced Maritime Studies & Research (LBS CAMSAR) and Marine Engineering & Research Institute (MERI) (erstwhile DMET) constitutes IMU Mumbai Port Campus. Both these Institutes have been training Mariners for more than 7 decades. They were set up by the Government of India immediately after Independence as dream Projects of a new India as the Country was expanding her horizon in the Maritime field.
- ii. LBS College was founded in 1948 under Government of India. It was the First Institute in the Country for 'post sea' training of Merchant Navy Officers of Navigation, Radio and Engineering Branches. The College was renamed as Lal Bahadur Shastri College of Advanced Maritime Studies & Research (LBS CAMSAR) in 1994.
- iii. The MERI (erstwhile DMET) was established in 1949 to meet the growing requirements of Marine Engineers in India. The Institution had its Headquarters at Calcutta and a branch at Bombay. The Institute has been renamed Marine Engineering and Research Institute in 1994.
- iv. On formation of Indian Maritime University (IMU), these legacy Institutes subsumed into IMU.
- v. The Campus is located on Hay Bunder Road, Sewri, Mumbai. It has about 8 acres area with about 180 m sea-front. The Campus has more than 25,000 square meters of built-up floor area for Classes, Laboratories, Workshops, Simulators and Hostels. There are separate buildings for Pre-Sea and Post-Sea Training, three spacious Hostels, a 250-seat auditorium,

swimming pool and state of art simulators. The boat-pool has motor boat, whaler and lifesaving boats.

- vi. Campus is ISO 9001: 2015 Certified. Both, Pre-Sea Training (erstwhile MERI) as well as Post-Sea Training (LBS CAMSAR) have undergone the maiden CIP (Comprehensive Inspection Programme) of DG Shipping during the Year.

**b. Name of the Campus Director**

#	Name	Period
1.	Rear Admiral Samir Saran Lal (Retd), VSM	01.04.2021 to 30.09.2021
2.	Capt. S.C. Panigrahy [Director i/c]	01.10.2021 to 25.12.2021
3.	Cmde. Dr. Vivek Chawla (Retd)	26.12.2021 to 31.03.2022

**c. Pre-Sea Academic Programmes offered in the Campus during the period:**

#	Programme	Category	Students
1	1 Year P.G Diploma in Marine Engineering (PGDME)	PG	29
2	4 Year B. Tech (Marine Engineering)	UG	152*
<b>Total</b>			<b>181</b>

\*Includes 07 girl cadets.

#	Programme	Sanctioned Annual Intake	Students admitted during 2021 – 22					Total
			SC	ST	OBC-NCL	Women	General	
1.	PGDME	120	Nil	Nil	08	Nil	21	<b>29</b>
2.	B. Tech (ME)	40	08	01	16	02	15	<b>40</b>
<b>Grand Total</b>		<b>160</b>	<b>08</b>	<b>01</b>	<b>24</b>	<b>02</b>	<b>36</b>	<b>69</b>

#	Programme	Students studying in Campus during 2021-22				
		1 <sup>st</sup> year	2 <sup>nd</sup> year	3 <sup>rd</sup> year	4 <sup>th</sup> Year	Total
1.	PGDME	29	Nil	Nil	Nil	29
2.	B. Tech (ME)	40	39	37	36	152
<b>Grand Total</b>		<b>69</b>	<b>39</b>	<b>37</b>	<b>36</b>	<b>181</b>

#	Programme	Sanctioned Annual Intake	Students studying in Campus during 2021-22 (Total)					Total
			SC	ST	OBC-NCL	Women	General	
1.	PGDME	120	Nil	Nil	08	Nil	21	29
2.	B. Tech (ME)	40	21	10	58	07	63	152
<b>Grand Total</b>		<b>160</b>	<b>21</b>	<b>10</b>	<b>66</b>	<b>07</b>	<b>84</b>	<b>181</b>

**d. STCW Modular Courses:** Following STCW (Standards of Training, Certification and Watchkeeping for Seafarers) Modular Courses for MPC Pre-Sea Cadets were conducted:

- i. Personal Survival Technique.
- ii. Personal Safety and Social Responsibility
- iii. Elementary First Aid
- iv. Fire Prevention and Fire Fighting (at NMC)
- v. Security Training for Seafarers with Designated Security duties (STSDSD)

**e. Post Sea Courses Approved by D.G. Shipping**

#	Course	Duration	Participants
1	Radar Observer Course (ROC)	10 days	00
2	Automatic Radar Plotting (ARPA)	05 days	00
3	Radar, ARPA And Navigation Simulator Course (RANSCO)	05 days	00
4	Global Maritime Distress and Safety System (GMDSS)	12 days	92
5	Engine Room Simulator Class-II (ERS-II)	05 days	27
6	Diesel Engine Combustion Gas Simulator (DECGS)	03 days	00

7	Proficiency in Survival Craft & Rescue Boat (PSCRB)	05 days	04
8	Ship Security Officer (SSO)	03 days	0
9	Company Security Officer (CSO)	03 days	0
10	Port Facility Security Officer (PFSO)	03 days	0
11	Refresher & Updating Training (Upgradation Course) For Deck Officers (Operational Level)	05/08days	3
12	Refresher & Updating Training For Deck Officers (Operational / Management Level PH-I / II)	11 days	0
13	Refresher & Updating Training (Upgradation Course) For Engineer Officers (Operational / Management Level)	6/11 days	0
14	Indian Maritime Legislation	3 days	32
15	Advanced Shipboard Management (FG) (ASM-FG)	1.5 months	03
16	First Mate (FG) Phase –I	3 months	00
17	First Mate (FG) Phase –II	3 months	00
18	First Mate (NCV) Phase I	3 months	45
19	First Mate (NCV) Phase II	3 months	49
20	Advanced Shipboard Management (ASM-NCV)	1 month	57
21	Second Mate (FG) Function	4 months	00
22	Navigating Watch Keeping Officer (NWKO- NCV)	4 months	08
23	Second Mate Foundation	2 months	83
24	Marine Engineering Officer Class I, (MEO CLASS –I)	2 months	00
25	Marine Engineering Officer Class II, (MEO CLASS –II)	4 months	00
26	Refresher Training for Proficiency in Survival Craft & Rescue Boat Course and PST	01 day	27
27	Electronic Chart Display and Information System (ECDIS)	5 Days	45
28	Refresher & Upgradation Course for Engineers	3 Days	3
	<b>TOTAL</b>		<b>478*</b>
<b>Training Programmes Approved by IMU</b>			
<b>A</b>	<u>Value Added Course Approved by IMU for 2<sup>nd</sup> Mates FG</u>		
1	Preparatory Classes for Signaling	15 Days	322

<b>B</b>	<u>Revalidation Course for IV Inland Vessel Crew - MMB Students (Deck)</u>		
1	Revalidation Course for Master Class- 1	6 Days	27
2	Revalidation Course for Master Class- 2	4 Days	08
3	Revalidation Course for Master Class-3 Serang	3 Days	18
<b>C</b>	<u>Revalidation Course for IV Inland Vessel Crew - MMB Students (Engine)</u>		
1	Revalidation Course for Inland Vessel Engineer	6 Days	09
2	Revalidation Course for 1 <sup>st</sup> Class Engine Driver	4 Days	09
3	Revalidation Course for 2 <sup>nd</sup> Class Engine Driver	3 Days	09
	Total Revalidation for IV Crew – MMB (Deck & Engine)		80*
<b>Total Student Strength (478+322+80)</b>			<b>880</b>

\* Revalidation Courses for Inland Vessel Crew. IMU MPC also conducts Revalidation Courses for Inland Vessel Crew based on MOU between IMU and MMB. The first MMB Revalidation Course commenced from 20<sup>th</sup> December'2021.

**f. Faculty – LBS & MERI**

#	Discipline	Regular	Contract	Visiting	Outsourced	Total
1	Nautical	2	4	1	-	<b>07</b>
2	Marine	3	4	3	-	<b>09</b>
3	Other Subjects	4	7	5	-	<b>16</b>
<b>Grand Total</b>		<b>9</b>	<b>15</b>	<b>9</b>	<b>0</b>	<b>33</b>

**g. Administrative, Academic & Support Staff**

#	Discipline	Regular	Contract	Visiting	Outsourced	Total
1	Officers	3	-	-	-	<b>3</b>
2	Medical Officer	-	1	-	-	<b>1</b>

3	Academic & Support Staff	7	3	5	9	<b>24</b>
4	Library	1	1	-	1	<b>3</b>
5	Support Staff	13	-	-	11	<b>24</b>
6	MTS	21	-	-	-	<b>21</b>
7	Housekeeping / Security	-	-	-	12 + 27 =39	<b>39</b>
<b>Grand Total</b>		<b>45</b>	<b>5</b>	<b>5</b>	<b>60</b>	<b>115</b>

#### **h. Campus Placements**

#	Programme Name	Total	Placed	% Placed
1	B. Tech (ME)	79	54	<b>68</b>
2	PGDME	32	10	<b>31</b>
<b>Grand Total</b>		<b>111</b>	<b>64</b>	<b>58</b>

- i. LBSCAMSAR Conducted Offline Simulator Courses with the approval of DGS and only students who had Double Vaccination Certificate were allowed to enter in the Campus.
- j. **Faculty Knowledge Upgradation:** Faculty attended the following Courses / webinars:
- i. “Emerging trends in shipping industry” between 20<sup>th</sup> September to 24<sup>th</sup> September 2021.
  - ii. “Role of Citizens science in understating disaster” on 18<sup>th</sup> Nov 2021.
  - iii. Action research in DRR approaches and lessons on 28<sup>th</sup> Dec 2021.
  - iv. “QASPIR online learning workshop”, 1<sup>st</sup> April 2021 to 03 April 2021, as per requirement by DGS.

- v. IEEE.DELCOM 2022 between 11<sup>th</sup> to 13<sup>th</sup> February, 2022
- vi. "IMRC Webinar", 14 to 17 Feb 2022, as per requirement by DGS for faculty taking Simulator Classes.
- vii. Online "Innovative Clean-Tech Technologies"
- viii. International conference on "Talent Eco System-2022" on 22<sup>nd</sup> Feb2022.
- ix. "Coastal area planning & management" on 30<sup>th</sup> Dec2021
- x. "Community based early warning system" on 30<sup>th</sup> Dec2021
- xi. "Fundamentals of Community Based Disaster Risk Reduction and Management" on 18<sup>th</sup> Nov2021
- xii. "Disaster-Induced Internal Displacement Issues and Opportunities" on 28<sup>th</sup> Feb2022
- xiii. "States UTs and Districts DRR Needs Context of Local Capacities" on 29<sup>th</sup> Dec2021
- xiv. "Environmental Seismology a potential tool for monitoring and early warning of Geohazards" on 27<sup>th</sup> Dec2021
- xv. "How to Mainstream Gender Sensitivity in Disaster Management" on 23<sup>rd</sup> Dec2021
- xvi. "High Level Policy Round Table on Science Technology and Innovation Policy for Disaster Risk Reduction" on 6<sup>th</sup> Jan 2022
- xvii. LMS was conducted for the all-Faculty Members.

**k. ISO Certification:** ISO Surveillance Audit was conducted on 5th February 2022 by IRQS.

**l. Academic Audit 2022:** Academic Audit was conducted for Pre Sea courses on 10<sup>th</sup> & 11<sup>th</sup> March 2022 by Shri. David Blaise D'sylva & Shri. L. Sivaji

**m. Comprehensive Inspection Programme (CIP):** CIP for Post-Sea Courses was undertaken by IRS for the first time on 4<sup>th</sup> Aug'2021. The Campus was assessed and awarded 88.9 % marks with A1 Outstanding grade.

CIP for Pre-Sea Courses was undertaken by IRS on 29<sup>th</sup> & 30<sup>th</sup> March 2022. The Campus was assessed and awarded 86.05 % marks with A2 grading.

**n. Conduct of PGDME Course:** IMU-MPC has DGS approval to conduct PGDME Course with an intake of 120 Cadets. Currently two batches are in progress.

**o. Recall of Cadets:** All Pre-Sea cadets reported back to campus on 28<sup>th</sup> Feb2022. Offline classes for all Pre-Sea courses includes theory & practical commenced from 28<sup>th</sup> March 2022 as per DGS Circular.

**q. MDL & ND (Mumbai) Training:** B. Tech (ME) & PGDME cadets are undergoing external workshop at Mazagaon Dock Limited & Naval Dockyard (Mumbai). IMU-Chennai Campus B. Tech (ME)-Final year cadets visited IMU-MPC for MPPO-I & II Practical Training & undergoing associated MDL and ND (Mumbai) training.

**r. Other Activities in Campus:** During the year following major activities were undertaken following all SOPs /precautions against Covid -19.

i. National Maritime Day celebrated on 5<sup>th</sup> April 2021.

ii. **Technical Paper** Presentation 'NAVACHARITAM' on 16<sup>th</sup> Apr 2021.

iii. **Marine Quiz** 'NAVACHARITAM' conducted on 29<sup>th</sup> May 2021.

- iv. **Guest Lecture on 5<sup>th</sup> June 2021 - Seafaring profession, Challenges ahead** by Dr B K Saxena, Ex-Principal, TMI & Advisor, TMI
- v. **Guest Lecture on 12<sup>th</sup> June 2021 - Challenges: On board & off shore job.**
- vi. International Yoga Day Celebration on 21<sup>st</sup> June 2021.
- vii. **Guest Lecture on 5<sup>th</sup> July 2021 - Seafaring challenges** after completion of Degree from college
- viii. Flag hoisting on 15<sup>th</sup> August 2021/ 26<sup>th</sup> January 2022.
- ix. Observance of Hindi Pakhwada from 14<sup>th</sup> to 25<sup>th</sup> September 2021



- x. Observance of Swachhta Pakhwada - 2021 from 16<sup>th</sup> to 30<sup>th</sup> Sept, 2021.





xi. **Guest Lecture** - Role of professional Body like IME(I) on 28th Sept

xii. Observance of Vigilance Awareness Week from 27<sup>th</sup> October to 2<sup>nd</sup> November 2021 with the theme **“Vigilant India Prosperous India”**.



xiii. Flag Hoisting on IMU Foundation Day, 14th Nov 2021.

xiv. Guest Lecture - **QHSE, Mental Health** on 18th Feb 2022.

xv. Celebration of International Women’s Day in the Campus on 08.03.2022.



xvi. Guest Lecture - **Expectations from Employer** on 30th March 2022

xvii. Director, IMU-MPC attended the function at NINI, Patna where Minister of Ports, Shipping and Waterways undertook following: -

- (a) Unveiling of Foundation stone for Terminal at Kalughat. (05.02.2022)
- (b) Release of training document for Personnel on Inland Vessels.
- (c) Flag off of Pilot vessel carrying food grains to Guwahati.



**s. Distinguished Visitors to Campus:**

- i. Dr. **Sanjay Bhavnani**, Ex-Chairman, FOSMA, Mr. **Sandeep Kumar**, Technical Superintendent, Scorpio Ship Management, Shri **Rajesh Doshi**, Chairman IME(I) Gujarat Chapter & **Cdr. Gaurav Agarwal**, Secretary DMECA visited on 16<sup>th</sup> Apr 2021.
- ii. **Back to College Webinar** on 8<sup>th</sup> May 2021 on topic “**Future ahead after training** as cadet & sea life” by Capt **Gajanan Karanjikar**, President (AIMPA)
- iii. **Back to College Webinar** on 22<sup>nd</sup> May 2021 on topic “**Leadership lessons** during Campus Training & during sailing on board ship for Marine Engineers” on 22<sup>nd</sup> May 2021.
- iv. Shri **Rajesh Doshi**, Chairman IME(I) Gujarat Chapter visited on 29<sup>th</sup> May 2021.
- v. Dr B K Saxena, Ex-Principal, TMI & Advisor, TMI visited on 5<sup>th</sup> June 2021.
- vi. Shri **V K Jain**, Chairman IME(I) Mumbai Branch, Commodore **Bhupesh Tater**, Secretary IME(I) Mumbai Branch, Shri **Rajesh Doshi**, Chairman IME(I) Gujarat Chapter visited on on 28<sup>th</sup> Sept2021.
- vii. Cdr. Satish Chandra for ISO Surveillance Audit in July 2021 of Post Sea Courses.
- viii. Shri. H.N. Tiwari, Senior Surveyor, IRS on 4<sup>th</sup> Aug’2021 for CIP Assessment of Post Sea Courses.
- ix. Shri. Ajay Gokhale, Senior Surveyor, IRS on 4<sup>th</sup> Aug’2021 for CIP Assessment of Post Sea Courses.
- x. Shri. Ashish Wankhede, DDG (Technical) and Engineer Surveyor MMD for DECGM Inspection on 15<sup>th</sup> Sept 2021.
- xi. Cdr. Satish Chandra for ISO Surveillance Audit on 5<sup>th</sup> Feb’2022 for Pre-Sea Courses.

- xii. **Naval Officer's from Naval Dockyard (Mumbai)** visited on 10th Feb2022  
– Cmdr Avinesh & Cmdr M J Singh.



- xiii. **Capt. Santosh Rele**, DGM, K-line Ship Mgmt. India Pvt Ltd visited on 18<sup>th</sup> Feb 2022.

- xiv. Visit of Academic Audit Team members consisting of Shri. David Blaise D'Sylva, Chief Engineer, Mercantile Marine, Navi Mumbai and Shri. L. Sivaji, Ex-Registrar, JIPMER, Pondicherry who undertook the Academic Audit of IMU- Mumbai Port Campus on 10<sup>th</sup> & 11<sup>th</sup> March 2022.





xv. Shri. H.N. Tiwari, Senior Surveyor, IRS on 29<sup>th</sup> and 30<sup>th</sup> Mar'2022 for CIP Assessment of Pre-Sea Courses.

xvi. Capt Girish Narwani Senior Surveyor, IRS on 29<sup>th</sup> and 30<sup>th</sup> Mar'2022 for CIP Assessment of Pre-Sea Courses.

xvi. **Capt. Guido Olislagers**, MD, Exmar ShipManagement, Antwerp, Belgium, **Capt. Rajeev Goyal**, MD, Exmar ShipManagement, India visited 30<sup>th</sup> March 2022.

**t. Awards won in Competitions / Seminars:**

1. Visit of Capt. Rajeev Goyal, Managing Director, Exmar Ship Management India Pvt. Ltd and Mr. Guido Olislagers, Managing Director, Exmar Ship Management, Antwerp visited the campus on 30th March 2022. They were judges for debate and technical paper presentation competitions and awarded prizes to Cadets.





2. Shri Anil Kumar Mishra, Assistant Librarian, IMU Mumbai Port Campus received an appreciation letter from the Vice-Chancellor, University of Jaffna, Sri Lanka for his lecture as a resource person in the CPD programme organized by IQAC - Library of the University of Jaffna under the title "Managing Digital Resources" on 7th March 2022.
3. Cdt. Shubham Thakur and Cdt. Param Sharma secured 2nd position at Technical Paper Presentation Event organized by INSA in 2022.
4. The Technical Papers of Cdt. Shubham Thakur and Cdt. Gaurav Kumar were selected for final presentation at World Maritime Technology Conference 2022 in Denmark.
5. Cadet Shubham Thakur of 3rd Year - B. Tech (Marine Engg.) bagged Best Presenter-UG Category for the paper entitled: Power generation using SOFC and VOC treatment in the 2nd International Conference on Advancements in Research and Development (Online) (27-28<sup>th</sup> Feb 2021)
6. Cadet Saksham Jaiswal, Cadet Azlan Ahmed Salmani and Cadet Sourav Patra of IMU-MPC had participated in 4th International Conference on

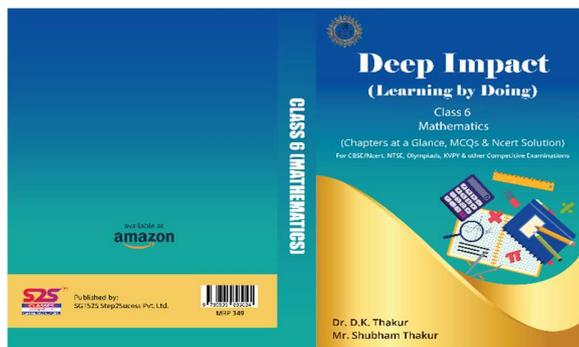
Research & Development in Engineering, Pharmacy & amp; Management. Their paper “Intelligent Suit for Monitoring and Controlling Heatstroke” was selected and they have been awarded Certificate of Achievement. (07<sup>th</sup> Feb 2021)

7. IMU-MPC following Cadets of B. Tech 3rd year has secured 2nd runner up position in the IMO Mock Session competition 2021 in the MARPOL category

- A. Cdt. Param Sharma (BT-307)
- B. Cdt. Anuj Singh (BT-294)
- C. Cdt. Saksham Jaiswal (BT-315)
- D. Cdt. Akash B Yadal (BT-291)

8. Cadets Param Sharma, Aaryan & Nikhil Karpatne of 3rd Year -B.Tech (Marine Engg.) bagged best paper award in 11th International Conference on Science and Innovative Engg. (ICSIE) 2021 - Title: "Wave Energy Utilization with Kinetic Harvesters for Ship Propulsion.

9. Cdt. Shubham Thakur of B. Tech Marine Engineering (4th Year) has co-authored 2 books for elementary school mathematics under the trademark of Deep Impact.



## 16. IMU Navi Mumbai Campus

### a. History of the Navi Mumbai Campus

- i. Indian Maritime University, Navi Mumbai Campus (NMC) (Training Ship Chanakya) is situated at Karave, Nerul Navi Mumbai, spread across 40 acres; The Campus is located within the eco sensitive area between Palm Beach Road and the Vashi Creek Mangroves.

- ii. **The past history:**

#### **TRAINING SHIP DUFFERIN:**

The “Dufferin” was originally built as a troop ship for the Royal Indian Marine by M/s. Vickers Son and Maxim at Barrow-in-Fumess, England, launched in 1904 and delivered to India in Bombay on 21<sup>st</sup> February, 1905. She played active role during World war I as auxiliary cruiser. In the year 1922 it is decided to convert this troop ship into Indian Merchant Marine Training Ship to train Indian cadets.

In the year 1927, IMMTS Dufferin was commissioned, and started training cadets from India, Sri Lanka (Ceylon), Myanmar (Brahmadesh), Pakistan, and other Asian countries. T.S. Dufferin trained many cadets, some of them achieved highest position in respective fields.

#### **TRAINING SHIP RAJENDRA:**

In the year 1969 the keel of the new training ship was laid at Hindustan Ship yard Ltd. Vishakhapatnam and completed ship received by the then Prime Minister of India Mrs. Indira Gandhi on 2nd February 1972. The ship was named T.S RAJENDRA in the memory of Chola emperor Raja Rajendra of southern India. “RAJENDRA” had a capacity to accommodate 250 cadets at a time. In April 1972 T.S. Rajendra was

commissioned by the Vice President of India, Shri. G. S. Pathak. The “Rajendra “continued to render good service and quality training till it is replaced by shore-based academy.

**TRAINING SHIP CHANAKYA:**

In the year 1993 a shore-based academy T.S. Chanakya was commissioned. Till 2008, T.S. Chanakya is affiliated to University of Mumbai for the award of B.Sc. degree/diploma in Nautical Science. At present, **Training Ship Chanakya** is part of **Indian Maritime University**, a Central University established on 14<sup>th</sup> November 2008 by Act of Parliament, Government of India.

IMU-NMC was awarded “A1” Grade during Comprehensive Inspection Programme (CIP) by Indian Register of Shipping (IRS) as per DG Shipping requirements and guidelines.

**b. Name of Campus Director**

#	Name	Period
1.	Cmde. Rajeev Bansal (Retd)	27.03.2019 to 31.05.2021
2	Rear Admiral Samir Saran Lal (Retd.) VSM	01.06.2021 to 10.08.2021
3	Capt. S. B. Sinha [Director i/c]	10.08.2021 to 07.01.2022
4	Capt. Subroto Khan	07.01.2022 till date

**c. Academic programmes offered in the Campus during the period:**

#	Programme	Category	Total students in the Campus during the period
1.	One-year Diploma in Nautical Science course leading to B.Sc. (Applied Nautical Science) course	Diploma	34

2.	3 Year B. Sc. (Nautical Science) degree course	UG	505
<b>Grand Total</b>			<b>539</b>

#	Programme	Sanctioned Annual Intake	Students admitted during 2021-22						
			SC	ST	OBC-NCL	EWS	Women*	General	Total
1.	DNS	40	7	1	16	4	1	6	<b>34</b>
2.	B.Sc. (NS)	185	32	7	90	14	13	42	<b>185</b>
<b>Grand Total</b>		<b>225</b>	<b>39</b>	<b>8</b>	<b>106</b>	<b>18</b>	<b>14</b>	<b>48</b>	<b>219</b>

#	Programme Name	Students studying in the Campus during 2021-22			
		1 <sup>st</sup> year	2 <sup>nd</sup> year	3 <sup>rd</sup> year	Total
1.	DNS	34	-	-	<b>34</b>
2.	B.Sc. (NS)	185	166	154	<b>505</b>
<b>Grand Total</b>		<b>219</b>	<b>166</b>	<b>154</b>	<b>539</b>

#	Programme	Sanctioned Annual Intake	Students studying in the Campus during 2021-22 (Total)						
			SC	ST	OBC-NCL	EWS	Women	General	Total
1.	DNS	40	7	1	16	4	01	6	<b>34</b>
2.	B.Sc. (NS)	555	75	20	195	46	22	169	<b>505</b>
<b>Grand Total</b>		<b>595</b>	<b>82</b>	<b>21</b>	<b>211</b>	<b>50</b>	<b>23</b>	<b>175</b>	<b>539</b>

**d. Standards of Training, Certification and Watch-keeping for Seafarers” (STCW) Modular Courses:**

- (I) Following STCW Modular Courses for NMC Pre-Sea Cadets were conducted
- i. ECDIS
  - ii. GMDSS

- iii. Basic Safety Training course for pre sea cadets which include 4 modules viz. Personal Survival Techniques, Fire Prevention and Fire Fighting, Elementary First Aid, Personal Safety and Social Responsibilities.
- iv. Security Training for Seafarers with Designated Security Duties (STSDSD)

(II) Following STCW Modular Courses for NMC Post-Sea modular courses for Seafarers were conducted at IMU-NMC.

- i. Advanced Fire Fighting
- ii. REFRESHER Advanced Fire Fighting
- iii. ECDIS
- iv. GMDSS

### (III) Post Sea Courses/Training Programmes

#	Name of the course	Duration	No. of Participants (2020-21)	No. of Participants (2021-22)
1.	Basic Safety Training course	11 Days	50	225
2.	Advanced Fire Fighting	1 week	03	02
3.	REFRESHER Advanced Fire Fighting	1 Day	04	03
4.	Enclosed Space Entry Rescue Drill	1 Day	178	NII
5.	STSDSD	2 Days	180	217
6.	GMDSS	12 Days	05	64
7.	ECDIS	06 Days	--	All In-house Cadets

### e. Faculty and Academic Staff

#	Discipline	Regular	Contract	Visiting	Total
1.	Nautical Science	07	02	06	15

2.	Marine Engineering	-	01	01	<b>02</b>
3.	Radio Communication	-	-	01	<b>01</b>
4.	Academics	03	01	09	<b>13</b>
5.	Management	-	-	01	<b>01</b>
6.	Marine Law	-	-	-	-
7.	GMDSS	-	01	-	<b>01</b>
<b>Grand Total</b>		<b>10</b>	<b>05</b>	<b>18</b>	<b>33</b>

**f. Administrative and other Support Staff**

#	Category	Regular	Contract	Visiting	Total
1.	Officers	01	-	-	<b>01</b>
2.	Staff	05	09	-	<b>14</b>
3.	Librarians	02	-	-	<b>02</b>
4.	Deemed Deputationist Cook / Steward/ Mali	21	-	-	<b>21</b>
5.	Wardens	-	02	-	<b>02</b>
6.	Instructor	-	06	-	<b>06</b>
<b>Grand Total</b>		<b>29</b>	<b>17</b>	-	<b>46</b>

**g. Status of Plan Works**

#	Description of the work	Sanctioned Amount (Rs. In Lakhs)	Status of work
1.	Special Repairs of Old Hostel	96 Lakhs	Work Completed on 17.02.2022

## h. Campus Placements

#	Name of the Programme	2020 Passout Batch			2021 Passout Batch		
		Total No.of Students	Total Placed	% Placed	Total No.of Students	Total Placed	% Placed
1.	B.Sc. (NS)	145	*138	95	*178#	130	74
2.	DNS	36	*19	53	*36 (09 KT)	7	26
<b>Grand Total</b>		<b>181</b>	<b>157</b>	<b>87</b>	<b>214</b>	<b>137</b>	<b>64</b>

\* Placement in progress

# 03 cadets change their field

KT candidates of all the batches are not considered for placement in the same year.

## i. Awards won in Competitions/ Seminars:

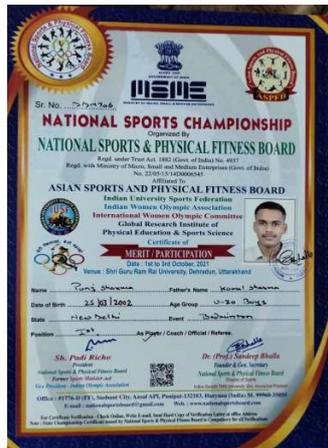
1. Cadets Satyam Soni, Cadet Vedant Sijaria and Cadet Aman Nag presented their papers in Samipta, Competition name: SAMIPTA (SAFE AND MODERN IDEA FOR PILOT TRANSFER ARRANGEMENT) Organized By AIMPA:- ALL INDIA MARINE PILOT ASSOCIATION.
2. Cadets Aditya Kumar, IMu Registration No. 1902710011, is honored by India Book of Records in May 2020, for his extraordinary skill of mathematics. Secured 4<sup>th</sup> position in Canadian mind sports Olympiad 2021 and qualified for mind sports Olympic London 2020 and record holder in India book of records for calculation exponential power of 3 in one-minute upto 19 exponential power that is of  $3^{19}$ .

His Interview is published in the June 2020 issue, page no.31, of the on-line magazine "Offing echoes", published by Offing group > Publications.

3. Cadet Khushi, B.Sc. (NS), IMU Registration No. 2002710083 has secured 1<sup>st</sup> position in the face painting competition in IMurmi Culture Fest 2021 and Cadet Akhil Pavitran, B.Sc. (NS), IMU Registration No. 2002710020 has secured 1<sup>st</sup> position in the Mimicry Competition in IMurmi Culture Fest 2021.



4. Cadet Punj Sharma, B.Sc. (NS) Registration No. 2002710120 has secured 1st position as player in National Sports championship in October, 2021.



5. Cadet Satyam Soni, B.Sc. (NS), IMU Registration No. 1902710129, has submitted Research Technical Paper on the Topic “Implementation of Nano Technology in shipping Industry” in a competition held by Indian National Ship Owner (INSA) on 8<sup>th</sup> January, 2022.



6. Cadet Ms. Linsa Alex and Cadet Ms. Khushi of IMU Navi Mumbai Campus and Cadet Ms. Dhanavath Pavani of IMU Chennai Campus received a Cash Award of Rs.50K each from MAASA for securing 1st & 2nd rank in IMU-CET & joined B. Tech (ME) / B. Sc. (NS)

IMU CADETS FELICITATED BY MASSA



Cadet Ms. Linsa Alex



Cadet Ms. Khushi



Cadet Ms. Dhanavath Pavani

**j. Distinguished Visitors to the Campus**

#	Name of the Visitor and Designation	Date	Purpose of Visit
1.	Dr. Vivekanand Giri, Joint Director & Dy. Port Health Officer, Ministry of Health & Family Welfare	25.10.2021	Lecture on Seafarer's health

2.	Adv. Mehraj Mutawalli	09.12.2021	Guest Lecture on Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013.
3.	Capt (Ms) Divya Pandey Master Mariner at Fleet Management (I) Pvt Ltd	08.03.2022	Chief Guest for Women day celebration on 8 <sup>th</sup> March, 2022

**k. Photos:**

1. Training Activity in the Campus
  - (a) Guard of Honour



- (b) Fire-fighting Activities



(c) Life boat training and swimming Pool



(d) Other training Activities



(e) Yoga in progress



(f) 75 Trees Plantation in the Campus on the occasion of Azadi Ka Amrit Mohostav on 26.01.2022.



(g) Clean ship in the Campus on the occasion of Azadi Ka Amrit Mohotsav



2. Workshop/ Seminar/ Guest Lecture in the Campus:



Dr. Vivekanand Giri, Lecture on Seafarer's health



Adv. Mehraj Mutawalli, Lecture on Sexual Harassment of Women

3. Class room training in progress:



4. Womens day celebration:



Capt (Ms) Divya Pandey, Master Mariner, Fleet Management (I) Pvt Ltd

5. Vigilance Awareness week 2021:



6. Vaccination and Health precautions:



7. Mast renovation in the IMU-Navi Mumbai Campus:



## 17. IMU Visakhapatnam Campus

### a. Brief History of the Visakhapatnam Campus

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. Pioneered in the early 90's 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. IMU Visakhapatnam campus is located in a 109 acre and 58 cents site in Vangali village, Sabbavaram Mandal of Visakhapatnam. The campus has a self-contained academic and administrative block, Workshops, Hostel and mess facility for the students.

Research at IMU Visakhapatnam is nurtured through academic programmes run by the departments and through sponsored research and consultancy projects funded by national organizations and industry. The Maritime Consultancy and Research Council (MCRC) is the hub of maritime research projects. IMUV had been involved in development of various new indigenous design of ships for various Organisations like Andaman & Nicobar Administration, IWAI, NIOT etc.

**b. Name of the Campus Director**

#	Name	Period
1	Dr. I.N. Niranjana Kumar	01.04.2021 to 09.12.2021
2	Dr. Kesavadev Varikkattu Karottu [Director i/c]	10.12.2021 to 31.3.2022

**c. Academic Programmes offered in the Campus during the period**

#	Name of the Programme	Category	Total students in the Campus during the period
1.	4 Year B. Tech (Naval Architecture & Ocean Engineering) [B. Tech (NA&OE)]	UG	173
2.	2 Year M.B.A. (International Transportation & Logistics Management) [M.B.A (IT&LM)]	PG	28
3.	2 Year M. Tech (Naval Architecture & Ocean Engineering) [M. Tech (NA&OE)]	PG	24
4.	2 Year M. Tech (Dredging & Harbour Engineering) [M. Tech (D&HE)]	PG	08
<b>Grand Total</b>			<b>233</b>

#	Name of the Programme	Sanctioned Annual Intake	Students admitted during 2021 – 22						
			SC	ST	OBC-NCL	EWS	General	Women	Total
1.	B.Tech. (NA&OE)	51	8	-	19	3	17	17	<b>47</b>
2.	M.B.A (IT&LM)	39	1	-	2	1	6	1	<b>10</b>
3.	M.Tech. (NA&OE)	26	2	-	3	-	6	-	<b>11</b>
4.	M.Tech. (D&HE)	26	1	-	-	-	1	-	<b>2</b>
<b>Grand Total</b>		<b>142</b>	<b>12</b>	<b>-</b>	<b>24</b>	<b>4</b>	<b>30</b>	<b>18</b>	<b>70</b>

#	Programme Name	Students studying in Campus during 2021-22				
		1 <sup>st</sup> year	2 <sup>nd</sup> year	3 <sup>rd</sup> year	4 <sup>th</sup> year	Total
1.	B.Tech. (NA&OE)	48	44	41	40	<b>173</b>
2.	M.B.A (IT&LM)	10	18	NA	NA	<b>28</b>
3.	M.Tech. (NA&OE)	11	13	NA	NA	<b>24</b>
4.	M.Tech. (D&HE)	2	6	NA	NA	<b>08</b>
<b>Grand Total</b>		<b>71</b>	<b>81</b>	<b>41</b>	<b>40</b>	<b>233</b>

**d. Details of short-term courses offered by the Campus during the period - NIL**

**e. Faculty and Academic Staff**

#	Programme Name	Regular	Contract	Visiting	Outsourcing	Total
1.	B.Tech. (NA&OE)	04	05	10	--	<b>19</b>
2.	M.Tech. (NA &OE)					
3.	M.Tech. (D&HE)					
4.	M.B.A (IT&LM)	02	01	03	---	<b>06</b>
<b>Grand Total</b>		<b>06</b>	<b>06</b>	<b>13</b>	<b>---</b>	<b>25</b>

**f. Administrative and other Staff**

#	Department	Regular	Contract	Outsourcing	Total
1.	Administration & Purchase	7	1	-	<b>8</b>
2.	Finance & Accounts & Transport	4	-	-	<b>4</b>
3.	Academics & Support Staff	7	6	-	<b>13</b>
4.	Library	3	-	-	<b>3</b>
5.	Maintenance	3	-	-	<b>3</b>

6.	Information Technology	-	1	-	1
<b>Grand Total</b>		<b>24</b>	<b>8</b>	-	<b>32</b>

**g. Co-curricular and Extra-curricular Activities of Students**

1. National Business Plan Competition 2021. 29.07.2021. Presentation on Startup Idea - "PregaKare, A Care for New Moms"

**1st Position:** Ms. Shivangi Singh & Srinath Menon, MBA 2<sup>nd</sup> Yr.

2. TransTech 24<sup>th</sup> – 25<sup>th</sup> Feb 2022 held at Tolani Maritime Institute, Mumbai

**Event:** Technical poster presentation

**Topic:** Hybrid propulsion a step to green future

**First Position:** Winners from B. Tech 3<sup>rd</sup> Yr.



Sandrana Nandini



Aditi Wadekar



Adarsh Ranjan

3. Samudra Manthan - Technical fest organized by the Department of Ocean Engineering and Naval Architecture of the Indian Institute of Technology, Kharagpur (IIT-KGP) held during (25-26<sup>th</sup> March 2022)

**Energex: 1st Position:** Sanurag Saha, Riya Bhandari, Priyanshu Banerjee and Aman Verma. B. Tech 3<sup>rd</sup> Yr.



**Oceania:** All 3 Positions won by B. Tech 3<sup>rd</sup> Year Students

**1<sup>st</sup> Position**

**2<sup>nd</sup> Position**

**3<sup>rd</sup> Position**

Sanurag Saha

Priyanshu Banerjee

Satwik Dixit



**BeyondQ:** Winners from B. Tech 3<sup>rd</sup> Year.

**1<sup>st</sup> Position:** Badrid Doja

**3<sup>rd</sup> Position:** Satwik Dixit



**Paper Prep: 1<sup>st</sup> Position:** Subham Chakrabarti, B. Tech 3<sup>rd</sup> Yr.



**2<sup>nd</sup> Position:** Shweta Jodha (B. Tech 3<sup>rd</sup> Yr.) and Arundhati Arul (B. Tech 2<sup>nd</sup> Yr.)



**AquaMOD: 2<sup>nd</sup> Position:** Naman Singh, Shubham Kumar, Prashant Kumar and ABSS Siddharth, B. Tech 4<sup>th</sup> Yr.

**Saveoic: 2<sup>nd</sup> Position:** Naman Singh, Shubham Kumar, Prashant Kumar and ABSS Siddharth.

**Energex: 2<sup>nd</sup> Position:** Naman Singh, Shubham Kumar, Prashant Kumar and ABSS Siddharth



## **h. Papers submitted / presentations made by Faculty / Staff**

### **A. Publications in Journals, Magazines and Conferences**

- i. Dr. Sheeja Janardhanan contributed an article titled “Numerical Towing Tanks and Virtual Model Testing” for the student magazine, Navisieger 2.0 during July 2021.
- ii. The honorable Vice Chancellor of IMU and Dr. Sheeja Janardhanan co-authored an article with the honorable VC of IMU titled “Marine Pollution and its Effect on Coastal Communities” for the magazine “Sea and Coast”, January 2022 edition (online) and February 2022 edition (offline).
- iii. Greeshma George and Sheeja Janardhanan (2021), A Numerical Study on Structural Response of a FPSO under Wave-Induced Motions, Engineers Review, 15(11): 16-21(reprint), Institution of Marine Engineers(I).
- iv. Adrya Sara Roy and Sheeja Janardhanan (2021), Structural Response of Free-Fall Life Boats During Emergencies, Marine Engineers Review, 15(11): 16-21(reprint), Institution of Marine Engineers(I).

- v. Vidya Chandran and Sheeja Janardhanan (2021), In-line and Cross- flow Response Interactions during Vortex Induced Vibration of Marine Risers, Marine Engineers Review, 15(8):15-19, Institution of Marine Engineers(I).
- vi. Raghav G. R, Suraj, R., Janardhanan Sheeja, Chandran Vidya, Nagarajan K. J., Asok Nikhil (2021), Impact of Groundnut Shell Ash on Cobalt-Chromium Metal Matrix Composites Synthesized using Powder Metallurgy Proc, IOP Conference Series Materials Science and Engineering 1166(1):012006.
- vii. Gautam C. Sekhar, D. Gokul Krishna, H. Abhimanue, Fadil K. Meeran and Sheeja Janardhanan (2021), Shape Improvisation of Solar Panels on the Roof of an Electric Vehicle, Journal of The Institution of Engineers (India) Series C 102(12), DOI: 10.1007/s40032-021-00715-6, Springer Nature.
- viii. Vidya Chandran, Anjana Viswanath and Sheeja Janardhanan, Optimization of a Hydro Kinetic Power Turbine using Genetic Algorithm, 48th National Conference on Fluid Mechanics and Fluid Power, 27-29 Dec 2021, BITS Pilani, Rajasthan, India
- ix. Vidya Chandran, Gijo George Nettikadan, Ajay S. Kumar, Anand Rajeev, Aswin T. Mathematical Modeling and Design of a Barrel Cam Based Transmission Mechanism for Uninterrupted Energy Harnessing From Vortices, Proceedings of IAMUC-AGA 2021, Alexandria, Egypt, 26-28 Oct 2021
- x. Poornima Rajendran, Arunkumar S, Shabu Gopakuamar, Vidya Chandran and Sheeja Janardhanan, Aerodynamic Analysis of Deployable Wing for a Space Shuttle AICTE Sponsored Third International Conference on Computing in Mechanical Engineering, 22-24 Sept 2021, Ernakulam, India.

- xi. Raghav G. R., Suraj, R., Janardhanan Sheeja, Chandran Vidya, Nagarajan K. J., Asok Nikhil Impact of Groundnut Shell Ash on Cobalt- Chromium Metal Matrix Composites Synthesized using Powder Metallurgy Process, Material Science and manufacturing Technology 2021, 15-16 April 2021, Coimbatore, India.
- xii. Maneesha K, Hari Prasad D and Patnaik KVKK. (2021), Biophysical responses to tropical cyclone Hudhud over the Bay of Bengal. Journal of Operational Oceanography. vol.14(2); pp. 87-97.
- xiii. Dr. Padmashree. S & Prof. Sasikala C, Overcoming the Traditional Barriers and Reaching the Users at the Doorstep with the Trending Technology. Virtual International Conference on Library & Information Science 23.08.2021.
- xiv. GVV Pavan Kumar, Dauson Nyonyi, Prof. VVS Prasad (2022): Radiated Underwater Noise from Fishing Vessels on Ambient Levels. The Institution of Engineers (India) 2022, Hyderabad.
- xv. Dauson Nyonyi, GVV Pavan Kumar, Prof. VVS Prasad (2022): Concept Design Cycle 10000 DWT Multi-purpose cargo vessel using ship design tools. The Institution of Engineers (India) 2022, Hyderabad.
- xvi. Kiran George Varghese, Vinay Gopi Nair, Avinash Godey, P G Sunil Kumar (2021): A study for validating, rectifying and optimizing the flow in the test section of a circulating water channel, Journal of Naval Architecture and Marine Engineering, Vol.18(1), pp. 127-140.
- xvii. Premchand Mallampalli, Sunand Krishna (2021): Review of Methods for Predicting the Ship's Manoeuvring Behaviour in Shallow- water Conditions, Marine Engineers Review, 15(7):15-20, Institution of Marine Engineers(I).

xviii. Kesavadev Varikkattu Karottu, DSP Vidyasagar, Avinash Godey and Jayaram S (2022), Optimization of Bottom Structure of Ships using Genetic Algorithm, Marine Engineers Review, 16(4):9-14, Institution of Marine Engineers(I).

## **B. Invited Talks**

Dr. Sheeja Janardhan, HOD (NA&OE) has given following invited talks:

- i. Speaker and Special Session 11 Organizer in International Conference in Advanced Computational Engineering and Experimenting, held in Malta during July 2-7, 2021 (online mode). Topic of the Talk: Vortex Induced Vibrations-A Numerical Perspective
- ii. Resource Person in National Symposium on Advances in Hydrodynamics and Autonomous Sea Vehicles (AH-ASV), as a part of Azadi Ka Amrit Mahotsav Celebrations of NSTL, DRDO during January 20-21, 2022 (online mode). Topic of the talk: CFD Methods in the Studies on AUVs
- iii. Panelist in the session on Women Leadership in Ocean Technology, Engineering and Science as a part of IEEE Conference on Women in Engineering organized by IIT Madras during February 21-24, 2022 (in person).

## **C. Paper Presentation**

Dr. Sheeja Janardhan, HOD (NA&OE) Presented a paper titled “Mathematical Modelling and Design of a Barrel Cam Based Transmission Mechanism for Uninterrupted Energy Harnessing from Vortices” in IAMU-AGA Conference held in Alexandria, Egypt during October 26-28, 2021 (online mode).

#### D. Prizes

- i. Dr. Sheeja Janardhanan, HoD (NA&OE) won First prize in “write-up” competition held for faculty of IMU during Teacher’s Day Celebrations, 6th September 2021.
- ii. KVK Rama Krishna Patnaik, Faculty, SNAOE won first prize in Quiz (Inter campus quiz competition for faculty) on IMO and its working methods conducted on 30th March, 2022 by IMUCC.

#### i. Campus Placements:

#	Name of the Programme	Students Details		
		Total	Placed	% Placed
1.	B.Tech. (NA&OE) & M.Tech. (NA &OE)	53	17 *	32
2.	M.Tech. (D&HE)	06	0	0
3.	M.B.A (IT&LM)	18	14 *	78
<b>Grand Total</b>		<b>77</b>	<b>31</b>	<b>40</b>

\*Campus Placements are still in progress

#### j. Events held in the Campus

1. 21<sup>st</sup> to 22<sup>nd</sup> April 2021 - National Workshop ‘Maritime History of India- A Manthan’.
2. 22.07.2021 - Azadi ka Amrit Mahotsav - Eye checkup camp conducted by IMU Vizag campus at Vangali Village.
3. 15.08.2021 - Independence Day celebrated. The Campus Director hoisted the national flag.
4. 14.09.2021 - Hindi Diwas celebrated

5. 4<sup>th</sup> Oct to 7<sup>th</sup> Oct 2021 - Azadi ka Amrit Mahotsav 2nd timeline activities for IMUV employees and their Family welfare.
  - a. 4.10.2021 - Yoga by Instructor Mrs. Keerthana E
  - b. 5.10.2021 - Career Guidance by Sri N. Sanjay, IPS & Sri P Gopakumar, IRS (Customs and Income Taxes)
  - c. 6.10.2021 - Self Defence Techniques by G. Appala Naidu, Black Belt 5th Dan & Ms. P. Suma Kanth, Black Belt, 1st Dan
  - d. 7.10.2021 - Nutrition & Exercise by Dietician Nirusha
  
6. 26.11.2021 - Constitution Day celebrated by reading out the preamble by all the employees.
  
7. 1<sup>st</sup> Nov. to 15<sup>th</sup> Nov. 2021 - Swachha Bharat Pakawada
  
8. 9.12.2021 - Lecture on Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal)
  
9. 15.12.2021 - Virtual Conclave on Maritime Sustainability and Launch of La Ola's Annual Edition 2021-2022.
  
- 10.23.12.2021 IMUV campus Dedication to Nation
  
- 11.26.01.2022 Flag Hoist
  
- 12.08.03.2022 Women's day celebration

**k. Photos**



**04.10.2021 Inauguration of Virtual Classroom**



**22.07.2021 Azadi Ka Amrit Mahotsav - Eye Camp**



**22.07.2021 Azadi Ka Amrit Mahotsav - Eye Camp**



**22.07.2021 Azadi Ka Amrit Mahotsav - Yoga**



**06.10.2021 Azadi Ka Amrit Mahotsav - Self Defence**



**06.10.2021 Azadi Ka Amrit Mahotsav - Self Defence**





**Celebration of Vigilance Awareness Week (26.10.21 to 01.11.21)**



**Employees and students at Women's Day Celebration on 08.03.2022**