



भारतीय समुद्री विश्वविद्यालय
INDIAN MARITIME UNIVERSITY

ANNUAL REPORT

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भारतीय समुद्री विश्वविद्यालय
INDIAN MARITIME UNIVERSITY

ANNUAL REPORT

2020-21

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.)
[From 23.07.2020 till date]

VICE CHANCELLOR (i/c)

Dr. K. M. SIVAKHOLUNDU
[01.04.2020 to 22.07.2020]

REGISTRAR

Capt. (IN) ABHAY KUMAR PALUSKAR (Retd.)
[01.04.2020 to 04.04.2020 (F/N)]

REGISTRAR (i/c)

Shri. K. SARAVANAN
[From 04.04.2020 (A/N) till date]

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) program and to IGNOU for the 1-year Diploma in Nautical Science (DNS) program. 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) program through which Mechanical Engineers can take up sailing career.

- c. MERI, Kolkata was affiliated to Jadavpur University for the 4-year B. Tech (Marine Engineering) program. 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. NSDRC, Visakhapatnam was a research organization.
- d. 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. After November 2008, 3 new Campuses were set up: Kochi in 2009, Kandla Port in 2011 and Karaikal in January 2014. The Karaikal Campus and the Kandla Port Campus were closed in November 2014 and March 2015 respectively as they were found to be unviable.

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 laws, maritime security, search and rescue, transportation of dangerous cargo, environmental studies and other related fields and also to achieve excellence in these and connected fields and other matters connected therewith or incidental thereto.

- 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 2020-21, the following Under Graduate (UG) programs were offered:

| # | Name of the Program | Duration of the Program | Campuses where the Programs offered |
|----|---|-------------------------|---|
| 1. | B. Tech (Marine Engineering) [B. Tech (ME)] | 4 years | <ul style="list-style-type: none">ChennaiKolkataMumbai Port |
| 2. | B. Tech (Naval Architecture & Ocean Engineering) [B. Tech (NA&OE)] | 4 Years | <ul style="list-style-type: none">Visakhapatnam |
| 3. | B. Sc. (Nautical Science) [B.Sc. (NS)] | 3 Years | <ul style="list-style-type: none">ChennaiKochiNavi Mumbai |
| 4. | B.B.A (Logistics, Retailing and e-commerce) [B.B.A (LR&E)] | 3 Years | <ul style="list-style-type: none">ChennaiKochi |
| 5. | Diploma in Nautical Science [DNS] | 1 Year | <ul style="list-style-type: none">ChennaiNavi Mumbai |

- b. During the Academic Year 2020-21, the following Post Graduate (PG) programs were offered:

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

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

c. Ph.D. and M.S. (By Research) programmes were offered in IMU Chennai, Kolkata, Navi Mumbai & 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. 18 Maritime Training Institutes are affiliated with IMU as on 31.03.2021.

The State-wise break-up is as follows:

| | | | |
|-------------|---|-------------------|---|
| Tamil Nadu | 5 | 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 | Programs 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 | Park Maritime Academy, Coimbatore | Tamil Nadu | B. Tech (ME) | 40 |
| 10 | Maritime Training Institute, (SCI) Mumbai | Maharashtra | DNS | 120 |
| 11 | RL Institute of Nautical Sciences, Madurai | Tamil Nadu | B. Tech (ME) | 120 |
| 12 | Samundra Institute of Maritime Studies, Mumbai | Maharashtra | DNS | 120 |
| | | | B. Tech (ME) | 40 |
| 13 | Shriram Institute of Marine Studies, New Delhi | New Delhi | DNS | 40 |
| 14 | Southern Academy of Maritime Studies, Chennai | Tamil Nadu | DNS | 40 |
| 15 | The Great Eastern Institute of Maritime Studies, Mumbai | Maharashtra | DNS | 80 |
| 16 | Tolani Maritime Institute, Pune | Maharashtra | DNS | 120 |
| | | | B.Sc. (NS) | 80 |
| | | | B. Tech (ME) | 240 |

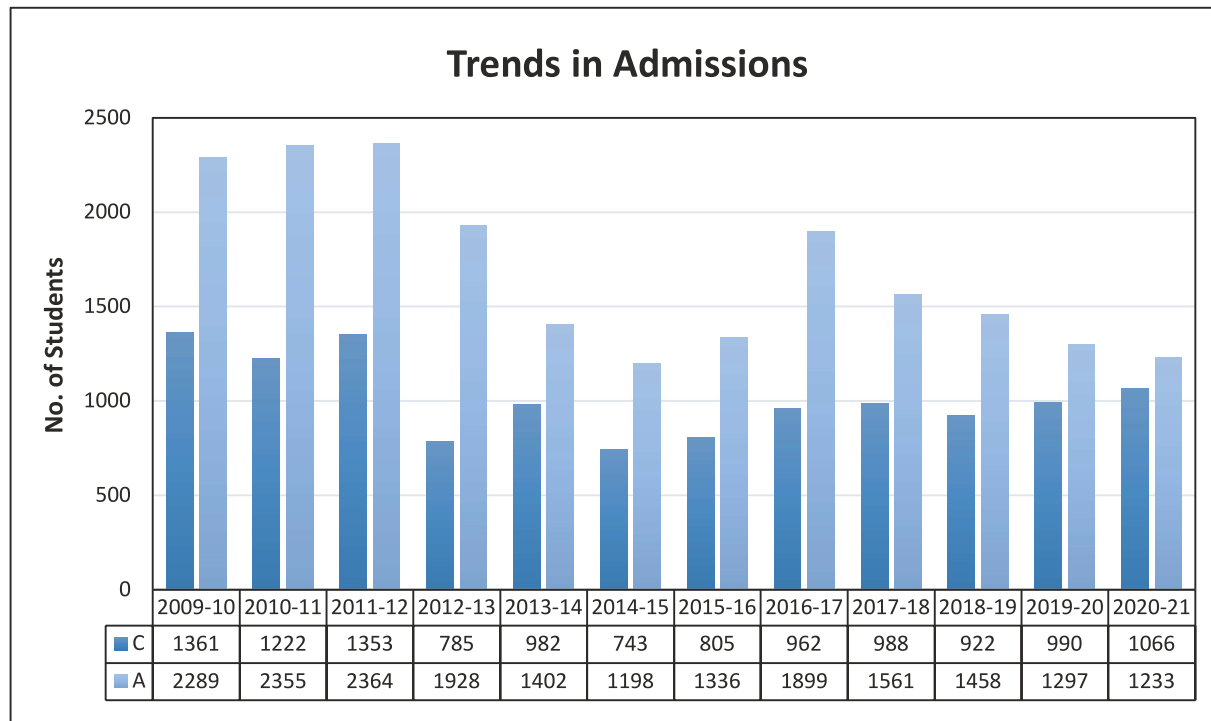
| | | | | |
|--------------------|------------------------------|-------------|-----|-------------|
| 17 | Training Ship Rahman, Mumbai | Maharashtra | DNS | 120 |
| 18 | Yak Education Trust, Mumbai | Maharashtra | DNS | 120 |
| Grand Total | | | | 2150 |

5. Admissions

a. Normalisation method in lieu- of Online Common Entrance Test

Admission to IMU's programmes is normally based on the Common Entrance Test (CET). However, due to CoVID-19 pandemic, CET could not be conducted for admissions in the Academic Year 2020-21. As an alternative, admissions were done based on the normalised Class 12th Board Examination Marks.

b. 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

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

| Program-wise details of admissions to IMU Campuses-2020-21 | | | | |
|---|---|----------------------------|---------------------------------|--|
| # | Name of the Program | Sanctioned Strength | No. of Students Admitted | Percentage of Students Admitted |
| UG Programs | | | | |
| 1 | Diploma in Nautical Science Leading to B.Sc. (Applied Nautical Science) | 80 | 73 | 91% |
| 2 | B.Sc. (Nautical Science) | 335 | 305 | 91% |
| 3 | B.B.A (Logistics, Retailing and e-Commerce) | 127 | 52 | 41% |
| 4 | B. Tech (Marine Engineering) | 406 | 373 | 92% |
| 5 | B. Tech (Naval Architecture & Ocean Engineering) | 47 | 47 | 100% |
| Total | | 995 | 850 | 85% |
| PG Programs | | | | |
| 1 | M.B.A (Port & Shipping Management) | 78 | 63 | 81% |
| 2 | M.B.A (International Transportation & Logistics Management) | 153 | 125 | 82% |
| 3 | M.Tech (Naval Architecture & Ocean Engineering) | 21 | 14 | 67% |
| 4 | M.Tech (Dredging & Harbour Engineering) | 21 | 7 | 33% |
| 5 | M.Tech (Marine Engineering and Management) | 22 | 7 | 32% |
| Total | | 295 | 216 | 73% |
| Grand Total (UG + PG) | | 1290 | 1066 | 83% |

d. Research Programmes:

- i) As on 31.03.2021, four 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 | 3 |
| 3. | Second | 10 | - |
| 4. | Third | 11 | 2 |
| 5. | Fourth | 12 | 1 |
| Total | | 47 | 6 |

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

- i. 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, Andaman & Nicobar is 20, Jammu & Kashmir is 10 and Andaman & Nicobar is 10. In the Academic Year 2020-21, 6 students from Andaman & Nicobar Islands availed the benefit of above reservation.

f. Performance-based Reward Scheme for Meritorious Students of IMU Campuses - An amount of Rs 2,82,45,000 in total was disbursed as Performance Based Rewards for the Academic Year 2019-20 in 2020-21.

- g. Endowments** - A policy on Endowments has been framed to attract donations for Orations, Awards and Scholarships from IMU's alumni, Port Trusts and Shipping Industry. Endowments of Rs.30 lakh from Mumbai Port Trust and Rs.8 lakh from Tuticorin Port Trust have been received towards Scholarships for SC/ST students.

6. Memberships, Collaborations, Seminars and Industry Interactions

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 signed MoUs with the following foreign Universities/organisation for Academics and Research collaboration:

| # | Name of the Foreign University / Organisation | Country |
|----|--|------------|
| 1. | Admiral G.I. Nevelskoi Maritime State University, Vladivostok | Russia |
| 2. | Institute of Chartered Shipbrokers | U.K. |
| 3. | Bangabandhu Sheikh Mujibur Rahman Maritime University | Bangladesh |
| 4. | Southampton Solent University | U.K. |
| 5. | National Ports Agency | Morocco |
| 6. | Ministry of Blue Economy, Marine Resources, Fisheries and Shipping, Govt. of Mauritius | Mauritius |

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

| # | Name of the National Institutes / Agencies | Purpose |
|----|--|---|
| 1. | Academy of Maritime Education and Training (AMET), a deemed to be University under UGC Act | For mutual cooperation between IMU and MAET |

| | | |
|----|--|---|
| 2. | National Security & Depository Limited (NSDL) under National Academic Depository (NAD) | For online storage of academic awards (degrees, diplomas, certificates, mark-sheets etc.) by the academic institutions / board / eligibility assessment awards and which shall help in validating their authenticity, their safe storage and easy retrieval by Students as well as their prospective Employers. |
| 3. | Andaman & Nicobar Administration | Placement of 40 students of IMU Campuses each year for On-board training is assured |
| 4. | Andhra Pradesh Maritime Board (APMB) | For academic and industry collaboration for array of training and industry activities |
| 5. | Maharashtra Maritime Board (MMB) | For academic collaboration for training requirements for crew of MMB on inland vessels |
| 6. | VO Chidambaram Port Trust (VOCPT) | For Training Collaboration for the Pilots of VOCPT |
| 7. | Dredging Corporation of India Ltd. (DCI) | For Setting up of Simulator for TSHD & CSD |
| 8. | CII Institute of Logistics. | <p>The MoU signed in December 2020 will enable both the organizations to collaborate on courses, Industrial studies and joint projects in Logistics field.</p> <p>Dr. Malini V Shankar, Vice Chancellor of Indian Maritime University delivered the Keynote Address during the MoU signing between IMU and CII.</p> |
| 9. | Company of Master Mariners (India) [CMMI] | <p>CMMI has initiated mentorship to nautical cadets on one-to-one basis by professionals. This year, 30 of Nautical Science cadets from three IMU campuses will be benefitted by this noble gesture of industry veterans.</p> <p>Dr. Malini V Shankar, Vice Chancellor of Indian Maritime University delivered the Keynote Address during the signing of the agreement.</p> |

c. Seminars, Conferences / Summit & Industry Interaction

- i. 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.
- ii. Seminar on "Overview of Trade, Shipping & Ports:** The East India Branch of the Institute of Chartered Shipbrokers and the Indian Maritime University jointly organized a Seminar on "Overview of Trade, Shipping & Ports". Lord Jeffrey Mount Evans, FICS (Hons) President, ICS was the Chief Guest of the seminar and Dr. (Mrs) Malini V Shankar, Vice Chancellor, IMU was the Guest of Honour in the event conducted on 22 Jan 2021. Seminar was attended by the dignitaries and students of ICS & IMU.
- iii. Establishment of Centre of Excellence in Maritime & Shipbuilding (CEMS) unit in IMU Vishakhapatnam:** The Ministry of Ports, Shipping & Waterways, Government of India (MoPSW), Indian Register of Shipping (IRS) and Siemens Industry Software (SISW) have entered into a tripartite agreement to promote skill in shipbuilding and desire to establish one unit of CEMS in IMU Visakhapatnam. Consequent to the tripartite agreement the centre is being setup at present IMU – Visakhapatnam Campus, Gandhigram.
- iv. Maritime India Summit 2021:** Dr. Malini V Shankar, IAS (Retd.), Vice Chancellor, IMU delivered a talk on the topic "*Gaps in India Maritime*

Education, Training and Research and the Role of Indian Maritime University" in the Maritime India Summit 2021 held on 02.03.2021.

- v. **17 Sept, 2020:** Interactive meet with Institute of Marine Engineers (India) [IME(I)] as part of engaging with industry.
- vi. **23 Nov, 2020:** Vice Chancellor addressed participants of the first maritime "SheEO" International Conference.
- vii. **Future Skills Maritime Conference - Session on "Rethinking Maritime Education":** Dr. Malini V Shankar, IAS(Retd.), Vice Chancellor was keynote speaker in the event organized by Future Skills Maritime on 27 Nov 2020.
- viii. **International Shipping Conference (ISCO):** Cadet Ayush Sharma, Mumbai Port Campus presented Technical Paper titled "Maritime Sector-A Compass to the Vision of Atma Nirbhar Bharat" in the International Shipping Conference organized by Institute of Marine Engineers, Kolkata Branch & The Company of Master Mariners India, Kolkata Chapter during 26-28 Nov 2020.
- ix. **4th International Conference on Research & Developments in Engineering, Pharmacy & Management (ICRDEPM) – 2021:** Cadet Saksham Jaiswal, Cadet Azlan Ahmad Salmani & Cadet Sourav Patra presented Technical Paper titled "Intelligent Suit for Monitoring and Controlling Heatstroke (iSuit)" organized by International Institute of Research in Multidisciplinary – Skill Development Trust on 07 Feb, 2021.

7. Examinations

- a. Due to pandemic situation, IMU could not conduct its end semester examinations in regular pen and paper mode. As an alternate measure, IMU conducted the university examinations through online Proctored mode successfully without compromising the quality of examinations.
- b. To improve communication skills of students, book review & report writing are also included as part of assessment.

8. Administration

- a. Following faculty positions were filled during the year:

| # | Name of the Post | Number of Personnel Joined |
|----|---|----------------------------|
| 1. | Professor (Naval Architecture) | 01 |
| 2. | Associate Professor (Naval Architecture) | 01 |
| 3. | Assistant Professor (Electronics & Communication Engineering) | 03 |

- b. 13th Foundation Day: Thirteenth Foundation Day of Indian Maritime University was celebrated on 14th November 2020 at IMU HQ and the Campuses.

- c. **RTI Status for the FY2020 - 21**

| # | Name of the Campuses | RTI Request Received | RTI Request Disposed off | Pending Status |
|----|----------------------|----------------------|--------------------------|----------------|
| 1. | IMU, Headquarters | 84 | 83 | 01 |

| | | | | |
|--------------------|---------------------------|------------|------------|-----------|
| 2. | IMU, Chennai Campus | 06 | 06 | 00 |
| 3. | IMU, Navi Mumbai Campus | 03 | 03 | 00 |
| 4. | IMU, Mumbai Port Campus | 03 | 03 | 00 |
| 5. | IMU, Kolkata Campus | 11 | 11 | 00 |
| 6. | IMU, Visakhapatnam Campus | 10 | 08 | 02 |
| 7. | IMU, Kochi Campus | 08 | 08 | 00 |
| Grand Total | | 125 | 122 | 03 |

d. Details of Vigilance cases pending and closed during 2020-21

| # | Year of occurrence | Brief history of the allegation | Status |
|----|--------------------|--|----------|
| 1. | 2017 | Recruitment of Library Assistant | Disposed |
| 2. | 2018 | Recruitment of Assistant | Pending |
| 3. | 2018 | Public Interest Disclosure and Protection of Informer (PIDPI) Resolution | Pending |
| 4. | 2019 | Award of undue marks to students by a private affiliated college | Pending |

e. Sexual Harassment cases filed under the Act in IMU during 2020-21

Number of Sexual Harassment cases filed under the Act in IMU during 2020-21 in accordance with Sec. 22 of the Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013 – Nil.

9. 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.

10. 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 Campus Director

| # | Name | Period |
|----|------------------|-------------------------|
| 1. | Dr. Rajoo Balaji | 06.03.2019 to till date |

c. Academic programmes offered in the Campus during the period

| # | Name of the Program | Category | Total students studying in the Campus |
|--------------------|---|----------|---------------------------------------|
| 1 | 1 Year Diploma in Nautical science course leading to B.Sc. (Applied Nautical Science) | Diploma | 36 |
| 2 | 3 Year B.Sc. (Nautical Science) [B.Sc. (NS)] | UG | 267 |
| 3 | 3 Year B.B.A (Logistics Retailing & E-Commerce) [B.B.A (LR&E)] | UG | 97 |
| 4 | 4 Year B. Tech. (Marine Engineering) [B.Tech. (ME)] | UG | 198 |
| 5 | 2 Year M.B.A (Port and Shipping Management) [M.B.A (P&SM)] | PG | 60 |
| 6 | 2 Year M.B.A (International Transportation & Logistics Management) [M.B.A (IT&LM)] | PG | 81 |
| Grand Total | | | 739 |

| # | Program Name | Sanctioned Annual Intake | Students admitted during 2020-21 | | | | |
|----|--------------|--------------------------|----------------------------------|----|---------|-------|-----------|
| | | | SC | ST | OBC-NCL | Women | Total |
| 1. | DNS | 40 | 04 | 02 | 15 | - | 36 |
| 2. | B. Sc. (NS) | 110 | 03 | 02 | 43 | 06 | 96 |
| 3. | B.B.A (LR&E) | 76 | 02 | 01 | 10 | 07 | 26 |
| 4. | B. Tech | 80 | 08 | 02 | 30 | 04 | 69 |

| | | | | | | | |
|--------------------|---------------|------------|-----------|-----------|------------|-----------|------------|
| 5. | M.B.A (P&SM) | 39 | 01 | - | 12 | 05 | 33 |
| 6. | M.B.A (IT&LM) | 41 | 09 | 02 | 09 | 09 | 39 |
| Grand Total | | 386 | 27 | 09 | 119 | 31 | 299 |

| # | Program Name | Students studying in the Campus during 2020-21 | | | | |
|--------------------|---------------------------------|--|----------------------|----------------------|----------------------|------------|
| | | 1 st year | 2 nd year | 3 rd year | 4 th year | Total |
| 1. | Diploma (NS) | 36 | NA | NA | NA | 36 |
| 2. | B.Sc. (NS) | 96 | 104 | 67 | NA | 267 |
| 3. | B.B.A (LR&E) | 26 | 43 | 28 | NA | 97 |
| 4. | B. Tech. (ME) | 69 | 73 | 56 | Nil | 198 |
| 5. | M.B.A (P&SM) & M.B.A (IT&LM) | 74 | 67 | NA | NA | 141 |
| Grand Total | | 301 | 287 | 151 | Nil | 739 |

| # | Program Name | Students studying in the Campus during 2020-21 (Total) | | | | | |
|--------------------|---------------------------------|--|-----------|------------|------------|-----------|------------|
| | | SC | ST | OBC-NCL | General | Women | Total |
| 1. | Diploma (NS) | 05 | 02 | 12 | 17 | - | 36 |
| 2. | B.Sc. (NS) | 34 | 10 | 90 | 133 | 13 | 267 |
| 3. | B.B.A (LR&E) | 14 | 05 | 37 | 41 | 36 | 97 |
| 4. | B. Tech. (ME) | 22 | 18 | 79 | 79 | 12 | 198 |
| 5. | M.B.A (P&SM) & M.B.A (IT&LM) | 13 | 05 | 43 | 80 | 26 | 141 |
| Grand Total | | 88 | 40 | 261 | 350 | 87 | 739 |

d. Details of Faculty and Academic Staff

| # | Discipline | Regular | Contract | Visiting | Total |
|---|------------------|---------|----------|----------|-----------|
| 1 | Nautical Science | 5 | Nil | 13 | 18 |

| | | | | | |
|--------------|---------------------|-----------|----------|-----------|-----------|
| 2 | Marine Engineering | 6 | 1 | 7 | 14 |
| 3 | Maritime Management | 5 | 1 | 14 | 20 |
| Total | | 16 | 2 | 34 | 52 |

e. Details of Administrative and other Staff

| # | Department | Regular | Contract | Outsourcing | Total |
|---|--------------------|-----------|-----------|-------------|-----------|
| 1. | Administration | 17 | 01 | 07 | 25 |
| 2. | Finance & Accounts | 06 | Nil | 02 | 08 |
| 3. | Engineering Cell * | 04 | Nil | 03 | 07 |
| 4. | Workshop | 06 | Nil | Nil | 06 |
| 5. | Medical | Nil | 01 | 01 | 02 |
| 6. | Library | 04 | Nil | Nil | 04 |
| Grand total | | 37 | 02 | 13 | 52 |
| * Assistant Engineer (C) and Assistant Engineer (E) of IMU HQ included, as they render services to IMU-CC as per their appointment order. | | | | | |

f. Status of Plan Works

| # | Description of the work | Sanctioned Amount (Rs. in Crores) | Status of the work |
|----|--|-----------------------------------|--|
| 1. | Installation of LED lightings in campus | 00.47 | Work in Progress |
| 2. | Construction of Work Shop at Semmencherry Premises | 17.90 | Work in final stages expected to be completed by May 2021. |
| 3. | Smart Class Room | 00.29 | Work Completed. Testing to be done. |
| 4. | 120 bedded hostel at Semmencherry Premises | 10.90 | Piling Completed. Super structure work to commence. |

| | | | |
|------------------------------------|--|---------------|--|
| 5. | Supply of Workshop Equipment (HMTI) | 12.29 | Supply of majority of equipment completed. Shifting from old workshop to new workshop to be carried out. |
| 6. | Providing Water Cooler to A Block, Academic Block, Girls and Boys Hostel | 0.029 | Completed |
| 7. | IP Based CCTV System | 00.24 | Completed |
| Grand Total (Rs. in Crores) | | 42.119 | |

g. Details of purchases made under SFC funds: Nil

h. Performance Based Rewards received by the student

| # | Name of the Program | Number of Students & Amount Received (in Rupees) | | | | | | |
|--------------------|------------------------------|--|-----------|-----------|-----------|-----------|-----------|------------|
| | | 1,00,000 | 75,000 | 50,000 | 40,000 | 30,000 | 20,000 | Total |
| 1. | B.Sc. (NS) | 02 | 26 | 18 | - | - | - | 46 |
| 2. | B.B.A (LR&E) | - | - | - | 02 | 07 | 07 | 16 |
| 3. | B.Tech. (ME) | 02 | 37 | 22 | - | - | - | 61 |
| 4. | M.B.A (P&SM) & M.B.A (IT&LM) | 1 | 04 | 06 | - | - | - | 11 |
| Grand Total | | 05 | 67 | 46 | 02 | 07 | 07 | 134 |

i. Co-curricular and Extra-Curricular Activities of Students

| # | Name of Organization & Event | Date of the Event |
|----|--|-----------------------|
| 1. | Vigilance Awareness Week (Essay Competition) | 30.08.2020-07.09.2021 |

| | | |
|----|--|-----------------------|
| 2. | <p>A Two-day National e-Conference on “Energy, Environment and Sustainable Shipping” was organized by the School of Marine Engineering and Technology, IMU CC in association with Institute of Marine Engineers (India) on 21.12.2020 and 22.12.2020</p> <p>The details are:</p> <p>Total Number of Papers Presented: 27</p> <p>No. of Sessions: 04</p> <p>Chair Persons:</p> <p><u>Session - I:</u> Dr. (Capt.) S. Bharadwaj, Resident Director & Principal, MASSA Maritime Academy, Chennai.</p> <p><u>Session - II:</u> Dr. N. Vedachalam, Project Director & HRD Incharge, National Institute of Ocean Technology, Chennai.</p> <p><u>Session - III:</u> Dr. S. Mohamed Ali, Professor, Mechanical Engineering Department, Pondicherry Engineering College.</p> <p><u>Session - IV:</u> Shri. Pawan Kapoor, Managing Director - ISF Maritime Services Pvt. Ltd and CEO - ISF Group International Pte. Ltd., Mumbai.</p> <p>Keynote Addresses:</p> <ol style="list-style-type: none"> 1. Shri. Uday Purohit, President, Institute of Marine Engineers (India), Mumbai. 2. Capt. V. Ramadass, Director, QHSE, Synergy Maritime Pvt. Ltd., Chennai. | 21.12.2020-22.12.2020 |
| 3. | Hindi Pakwada Official Language implementation. | 01.08.2020 |
| 4. | ISO (IRQS) - Conducted Surveillance Audit. | 18.03.2021 |

(a) Other activities

- (i) Guest lecture for III semester MBA 2019-21 batch & V semester BBA 2018-21 batch on “Warehouse Management in Retail Industry” through video conferencing was organised by Dr. A. Mourougane, Head, SMM and

was handled ted by Mr Rajesh, Retail & Shopper Behaviour Expert and School Board Member on 09.12.2020.

- (ii) The Institute of Chartered Shipbrokers conducted Webinar on “Linking Maritime Education to International Trade” on 11.12.2020 for MBA III Semester, II year 2019-21 batch students.
- (iii) Guest Lecture (Webinar) on “Autonomous Ships” was organized on 05.11.2020; Resource person: Dr.L.R.Chary, Former Executive Director, Shipping Corporation of India, Mumbai.
- (iv) Shri Sasidhadaran Kallada, has conducted three-day workshop on “Dangerous Goods” for MBA III Semester- II year students 2019-21 batch between 21 to 23 Dec, 2020
- (v) Fresher Orientation programme for 1st year MBA PSM & ITL (2020-22) students was conducted on 20.03.21.

j. Achievements by SMET Cadets, IMU CC:

1. Cadets Shashwat Dev & Mrinal Nigam of Second Year B.Tech. (ME) had participated in the Technical Paper Competition 2020, organized by INSA on 20.02.2021 and presented a Paper on “Autonomous Ships – Pros & Cons.”
2. Cadets Shashwat Dev & Mrinal Nigam of Second Year B.Tech. (ME) had presented a paper on “Port Security Management” on 21.12.2020 in the Two-day National Level e-Conference on Energy, Environment and Sustainable Shipping, organized by the School of Marine Engineering & Technology, IMU CC.
3. Cadets Akshay Raj & Gagandeep Singh of Third Year B.Tech. (ME) had presented a paper on “Recycling - Challenges and Effects in Shipping

Industry” on 22.12.2020 in the Two-day National Level e-Conference on Energy, Environment and Sustainable Shipping, organized by the School of Marine Engineering & Technology, IMU CC.

4. Cadet Saad Khan of Second Year B.Tech. (ME) had bagged the First Prize in the National Level E-Quiz on “Physical Education and Sports Science” organized by the Department of Physical Education, Presidency University, Bangalore On 06.11.2020.

k. Papers submitted/presentation made by faculty/staff

| | |
|----|---|
| 1. | Dr. A Mourougane, Head & Associate Professor, SMM has published a paper on “Present Scenario of Shipbuilding Industry in India” in International Journal of Financial Management (IJFM) between Aug to Sep 2020 – 2319-419X- 6.27(JCC) |
| 2. | Dr. A Mourougane, Head & Associate Professor, SMM (coauthor) has published a paper on “Multimodal Cargo Transport in India: Challenges in Coastal Shipping” in SAMBODHI (UGC care listed journal) – Jan – March 21 – 2249-6661-5.8(IF) |
| 3. | Dr. Lekha Ravi, Asst. Professor has published a paper on ‘Maritime Education in India- The "Theory-Practice" Conundrum', IIRE journal of Maritime Research and Development, Vol 4. No 2, ISSN 2456-7035.-October 2020 |
| 4. | Dr. S. Thangalakshmi, V. Ganeshram, Dr. K. Sivasami, K. Sathiyasekar (2020), “Effect of Panel Materials on the Performance of Solar Cells”, Palarch’s Journal of Archaeology of Egypt/Egyptology 17(7), 5329-5340. Scopus Indexed. (ISSN 1567-214x). |
| 5. | C. P. Balaji, Dr. K. Sivasami, (2020) “Recent Developments in Two Stroke Engine Cylinder Lubrication”, Marine Engineers Review (India), Journal of the Institute of Marine Engineers (India), vol.15 (1), pp. 9-18. ISSN 2250-1967. |
| 6. | Dr. S. Thangalakshmi, Dr. K. Sivasami, K. Sathiyasekar & M. Preetha (2020), “Prevalent Glitches in Generation of Solar Power Using PV Panels - An Indian Scenario”, Journal of Advanced Research in Dynamical and Control Systems.vol. 12 (7), pp. 2945-2952. DOI: 10.5373/JARDCS/V12SP7/20202439 - Scous Indexed. (ISSN: 1943-023X). |

| | |
|---|---|
| 7. | M. Srinivasan, S. Ramesh, S. Sundaram, Dr. K. Sivasami (2020), "Material Characterization and Water absorption analysis of CFRP and GFRP hybrid composite materials with Filler materials Aluminium and Aluminium oxide powder", Tierärztliche Praxis, Vol 40, pp. 596-609; Scopus Indexed. (ISSN: 0303-6286). |
| Faculty Paper Presentation in International / National Conferences | |
| 8. | Dr. S. Thangalakshmi & Dr. K. Sivasami had presented a paper on "Machine Learning Techniques and Maritime Applications" in the Online International Technical Conference on Artificial Intelligence & Robotics: Transforming Academia to Industry, during 22 & 23 January 2021, organized by the Institution of Engineers (India), Tamilnadu State Centre in association with MENTORX. |
| The Following Papers were presented on 21.12.2020 and 22.12.2021 in the Two-day National Level e-Conference on Energy, Environment and Sustainable Shipping, organized by the School of Marine Engineering & Technology (SMET), IMU CC. | |
| 9. | Gopikrishna Chockalingam and Dr. K Sivasami had presented a paper on "A Perspective Study of Ship Breaking in India and the Impact of International Conventions and Regulations". |
| 10. | Krishnendu Das, Dr. K Sivasami, Dr. N Das, and Dr. S Majumder had presented a paper on "Studies of Impact On Environment Due to E Waste and Refrigeration Waste During Ship Recycling Process in India - A Way Out". |
| 11. | C P Balaji and Dr. K Sivasami had presented a paper on "Air Bubble Lubrication for Hull". |
| 12. | Dr. S Thangalakshmi and Dr. K Sivasami had presented a paper on "Optimizing the Size and Allocation for Distributed Generation with Immune Algorithm". |
| 13. | Dr. S Thangalakshmi and V Ganeshram had presented a paper on "Energy Storage Systems - Possible Impacts on Maritime Applications". |
| 14. | Nandhakumar S K, Dr. Arul Aram I and Dr. Sivasami K had presented a paper on "Climate Forcing due to Aerosol and Air Pollution Over South Indian Coast". N S C Chaitanya, Dr. YVVS Murthy, Surajith Ghosh, and Merigala Ramesh presented a paper on "Heat Transfer Correlations for Combustion Modelling for Diesel Engine with Dual Injection of Water Saturated MTBE Solution and Palm Kernel Biodiesel Blends". |

| | |
|-----|---|
| 15. | Ramesh S, Viswanathan R, and Dr. K Sivasami had presented a paper on “Investigation and Optimization of Turning Parameters on Surface Roughness in Machining of Magnesium Alloy”. |
|-----|---|

I. FDP/STCW Courses Attended by SMET Faculty Members:

1. The following Faculty Members had attended the “QASPIR - Training Programme on Online learning for Faculty – Phase I & II” (3 days each):
 - i. Dr. K. Sivasami
 - ii. Dr. YVVS Murthy
 - iii. Mr. K. Anbazhagan
 - iv. Mr. C. P. Balaji
 - v. Dr. S. Thangalakshmi
 - vi. Ms. Neelam Goswami

2. Dr. YVVS Murthy and Dr. S. Thangalakshmi had attended and completed the VICT course at HIMT, Chennai (10 days).

3. Dr. K. Sivasami had attended and completed AECS course at HIMT, Chennai (12 days).

4. The following Faculty Members attended 5-day FDP on "Online Training Programme on E-Content Development" through NITTTR, Chennai:
 - i. Mr. K. Anbazhagan
 - ii. Mr. Wahab John Basha
 - iii. Mr. V. Ganeshram

m. Distinguished Visitors to the Campus

| # | Name of the visitor | Date of visit | Purpose of visit |
|----|--------------------------------|---------------|---|
| 1. | Chief Justice Hari Paranthaman | 30.12.2020 | Constitution Day Speech through Webinar |
| 2. | Shri. Pradeep Kumar Tikku | 19.02.2021 | CVO – Official visit |

n. Campus Placement (On Campus)

| # | Program | Students Details | | |
|--------------------|---------|------------------|------------|-----------|
| | | Total | Placed | % Placed |
| 1. | DNS | 19 | 04 | 21 |
| 2. | B.Sc. | 89 | 51 | 57 |
| 3. | BBA | 25 | 10 | 40 |
| 4. | MBA | 70 | 40 | 57 |
| Grand Total | | 203 | 105 | 52 |

o. Photos



Independence Day Celebrations



SMET e-Conference



Employees following all the preventive measures while dealing with the public during Admission Process



Dengue Awareness Camp (28.11.2020)



Throat swab sample being collected from staff for RT-PCR tests.



1. House-keeping staff cleaning the corridor wearing all the protective equipment.
2. Fumigation Machine in use. Rooms fumigated before use.

11. IMU Kochi Campus

a. Brief History of the Campus

- i. The Smart city of Kochi enjoys a rich maritime history and is home for 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 Campus Director

| # | Name | Period |
|----|---------------------------------|--------------------------|
| 1. | Dr. Cheepurupalli Suryanarayana | 01.04.2020 to 31.03.2021 |

c. Academic programmes offered in the Campus during the period

| # | Programme | Category | Total students studying in the Campus |
|--------------------|----------------------|----------|---------------------------------------|
| 1. | 3 Year B.Sc. (NS) | UG | 74 |
| 2. | 3 Year B.B.A (LR&E) | UG | 93 |
| 3. | 2 Year M.B.A (IT&LM) | PG | 72 |
| 4. | 2 Year M.B.A (P&SM) | PG | 54 |
| Grand Total | | | 293 |

| # | Programme | Sanctioned Annual Intake | Students admitted during 2020 – 21 | | | | | |
|--------------------|---------------|--------------------------|------------------------------------|-----------|-----------|-----------|-----------|------------|
| | | | SC | ST | OBC-NCL | Women | General | Total |
| 1. | B.Sc. (NS) | 40 | 03 | 01 | 21 | 02 | 11 | 36 |
| 2. | B.B.A (LR&E) | 51 | 01 | - | 12 | 05 | 13 | 26 |
| 3. | M.B.A (IT&LM) | 39 | - | - | 14 | 18 | 24 | 38 |
| 4. | M.B.A (P&SM) | 39 | - | - | 10 | 05 | 20 | 30 |
| Grand Total | | 169 | 04 | 01 | 57 | 30 | 68 | 130 |

| # | Programme | Students studying in Campus during 2020-21 | | | |
|--------------------|---------------|--|----------------------|----------------------|------------|
| | | 1 st year | 2 nd year | 3 rd year | Total |
| 1. | B.Sc. (NS) | 36 | 26 | 12 | 74 |
| 2. | B.B.A (LR&E) | 26 | 37 | 30 | 93 |
| 3. | M.B.A (IT&LM) | 38 | 34 | - | 72 |
| 4. | M.B.A (P&SM) | 30 | 24 | - | 54 |
| Grand Total | | 130 | 121 | 42 | 293 |

| # | Program Name | Sanctioned Annual Intake | Students studying in Campus during 2020-2021 (Total) | | | | | |
|----|--------------------------------------|--------------------------|--|----|---------|-------|---------|-------|
| | | | SC | ST | OBC-NCL | Women | General | Total |
| 1. | B.Sc. (NS) (1st year) | 40 | 3 | 1 | 21 | 2 | 11 | 36 |
| 2. | B.Sc. (NS) (2nd year) | 40 | 3 | - | 5 | - | 18 | 26 |
| 3. | B.Sc. (NS) (3rd year) | 40 | 4 | 1 | 7 | - | - | 12 |
| 4. | B.B.A (1st year) | 51 | 1 | - | 12 | 5 | 13 | 26 |
| 5. | B.B.A (2nd year) | 40 | 3 | - | 12 | 6 | 22 | 37 |
| 6. | B.B.A (3rd year) | 40 | 2 | 1 | 14 | 3 | 13 | 30 |
| 7. | M.B.A (IT&LM) (1 st year) | 39 | - | - | 14 | 18 | 24 | 38 |

| | | | | | | | | |
|--------------------|--------------------------------------|------------|-----------|----------|------------|-----------|------------|------------|
| 8. | M.B.A (IT&LM) (2 nd year) | 34 | 3 | - | 15 | 7 | 16 | 34 |
| 9. | M.B.A (P&SM) (1 st year) | 39 | - | - | 10 | 5 | 20 | 30 |
| 10. | M.B.A (P&SM) (2 nd year) | 34 | - | - | 7 | 5 | 17 | 24 |
| Grand Total | | 397 | 19 | 3 | 117 | 51 | 154 | 293 |

d. Details of Faculty and Academic Staff:

| # | Program Name | Regular | Contract | Visiting | Total |
|--------------------|-----------------------------|----------|----------|-----------|-----------|
| 1. | B.Sc. (NS) | 4 | 2 | 7 | 13 |
| 2. | B.B.A (LR&E) | 2 | 1 | 9 | 25 |
| 3. | M.B.A (IT&LM) & M.B.A (PSM) | | | 13 | |
| Grand Total | | 6 | 3 | 29 | 38 |

e. Details of Administrative and other Staff

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

f. Status of Plan Works

| # | Description of the work | Sanctioned Amount (₹) (in Crores) | Status of the work |
|--------------------|--|-----------------------------------|--------------------|
| 1. | Construction of Administrative cum Academic Building | 16.00 | Work Completed |
| 2. | Construction of 120 Bedded Boys Hostel | 11.99 | Work Completed |
| 3. | Construction of Sewage Treatment Plant | 0.99 | Work Completed |
| 4. | Development of Football Ground | 0.07 | Work Completed |
| 5. | Internal Roadways and Drainage Work | 0.94 | Work Completed |
| 6. | Construction of Swimming Pool | 4.02 | Yet to Commence |
| 7. | Setting up of Video Conferencing System | 0.13 | Work Completed |
| Grand Total | | 34.14 | |

g. Details of purchases made under SFC funds: Nil**h. Performance Based Rewards received by the students**

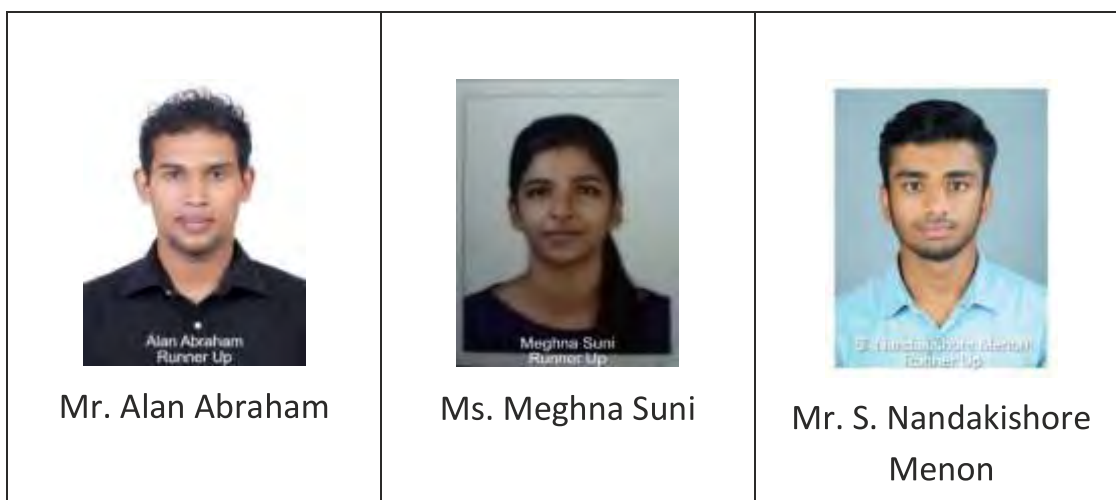
| # | Program Name | Number of Students & Amount Received | | | | | | |
|--------------------|--------------------|--------------------------------------|----------|----------|----------|----------|----------|-----------|
| | | ₹ 1,00,000 | ₹ 75,000 | ₹ 50,000 | ₹ 40,000 | ₹ 30,000 | ₹ 20,000 | Total |
| 1. | B.Sc. (NS) | - | 3 | 1 | - | - | - | 4 |
| 2. | B.B.A (LR&E) | - | - | - | 1 | 2 | 2 | 5 |
| 3. | M.B.A (IT&LM/P&SM) | 1 | 4 | 5 | - | - | - | 10 |
| Grand Total | | 1 | 7 | 6 | 1 | 2 | 2 | 19 |

i. Accolades won in Competitions/events

- i. The team of Mr. Gunturu Kesava Sai Hitesh Gupta, Mr. Joel Jain and Mr. Pagarkar Monis Najir has won 'Best Essay' in the Virtual Essay Competition organized by Maritime SheEO.



- ii. The team of Mr. Alan Abraham, Ms. Meghna Suni and Mr. S. Nandakishore Menon has stood as ‘Runners up’ (Logistics Game) in the National Level Online Inter College Fest “INCEPTRA 2021” organized by Rajagiri College of Management & Applied Sciences, Kochi.



j. Major Activities Undertaken

- i. As part of the Jan Andolan for COVID-19, all employees and students were encouraged to take the online Pledge for committing to the responsibility of taking necessary precautions against the COVID-19 Pandemic. Posters highlighting safety guidelines, social distancing and other preventive measures were put up, as a means of spreading awareness for the same.

Distribution of Masks/Gloves to the employees, setting up of Hand sanitizer/hand wash stations at strategic places in the Campus and periodic disinfection of the premises were also carried out.

- ii. The 74th Independence Day of India was celebrated on 15.08.2020 with a flag hoisting ceremony honouring the nation.
- iii. Hindi Pakhwada Samaroh 2020 was observed from 14.09.2020 to 28.09.2020 marking the declaration of Hindi language as an official language of India. Digital display of 'Hindi Word of the Day' and participation of all Staff/Faculty in a Hindi Quiz competition was part of the event.
- iv. Swachhata Pakhwada 2020 was organised from 16.09.2020 to 30.09.2020 with the participation of office staff/faculty and maintenance personnel, which comprised of cleanliness, disinfection and beautification activities, as well as distribution of masks, setting up hand wash/sanitizer points in the Campus.
- v. The Vigilance Awareness Week 2020 was observed from 27.10.2020 to 02.11.2020 highlighting the theme 'Vigilant India – Prosperous India' with digital posters being showcased and all staff taking the Integrity Pledge and Essay writing competition.
- vi. The Constitution Day was celebrated at IMU Kochi on 26.11.2020 with the active participation of all students/staff/faculty in the recitation of the Preamble along with the Hon'ble President of India over Live TV. All

Students and Staff were encouraged to read and take the virtual pledge to the preamble.

vii. An Orientation Training Programme was organised by IMU Kochi Campus on 27.01.2021 for the floating staff of Kochi Water Metro Authority.

viii. The 72nd Republic Day of India was celebrated on 26.01.2021 with a flag hoisting ceremony honouring the nation.

k. Industrial visits and educational events

i. School of Nautical Studies conducted a Webinar on 29.10.2020 on the topic “Blue economy” by Capt. Gajanan Karanjikkar, President, AIIMPA.

ii. School of Nautical Studies conducted a Webinar on 03.12.2020 on the topic “Shipping, Technology & Future” by Capt. Rajesh Unni, Founder, Synergy Maritime Pvt Ltd.

iii. School of Nautical Studies conducted a Webinar on 12.03.2020 on the topic “Mass Rescue Operations at Sea” by DIG K. R. Deepak Kumar, Indian Coast Guard, Kochi.

iv. School of Maritime Management conducted a Webinar on 13.11.2020 on the topic “Port and Shipping through COVID-19” by Dr. Jayakumar, MD & CEO, Vizhinjam International Seaport, Dr. Rajesh Kumar, MD, GL Shipping and Shri Prakash Iyer, GM, Sea Horse Group.

- v. School of Nautical Studies conducted a placement interaction session on 29.12.2020 by Capt. Venugopal Mathur, Sailing Master.
- vi. Online Campus Placement sessions were organised by the School of Nautical Studies with participation from Fleet Management Ltd., Anglo Eastern, Synergy Maritime Pvt. Ltd., Seven Islands Shipping Ltd. and Bernard Schulte Ship Management.

I. Campus Placements

| # | Program Name | Students Details | | |
|--------------------|---------------|------------------|-----------|--------------|
| | | Total | Placed | % Placed |
| 1. | B.Sc. (NS) | 12 | 0 | 0 |
| 2. | B.B.A. (LR&E) | 30 | 2 | 6.67 |
| 3. | M.B.A (IT&LM) | 34 | 15 | 44.12 |
| 4. | M.B.A (P&SM) | 24 | 5 | 20.83 |
| Grand Total | | 100 | 22 | 22.00 |

m. Photos



12. IMU Kolkata Campus

a. Brief History of the Kolkata Campus

- i. IMU Kolkata Campus symbolizes 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 (now Kolkata) and a branch at Bombay (now Mumbai), under Ministry of Shipping (Government of India). 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 280 young and highly motivated Marine Officers pass 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). 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 6500 Sq. mts of built-up area and 52% of the campus area is free area. Besides class rooms, it hosts well equipped laboratories, simulators, library with more than 23000 books and technical journals, separate hostels for boys and girls for more than 1000 cadets. The institute has a fully equipped, Olympic-size swimming pool cum life-saving training facility, a 1000 seater auditorium, a 250 seater 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.

- ii. IMU-KC (Management Block) (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 Bhawan 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. Now the entire activities of the IMU-KC (Management Block) have been shifted to IMU-KC at P-19, Taratala Road, Kolkata-700088.

b. Name of Campus Director

| # | Name | Period |
|----|--------------------------|--------------------------|
| 1. | Cmde. Ashok Bhal (Retd.) | 01.04.2020 to 31.03.2021 |

c. Academic programmes offered in the Campus during the period

| # | Programme | Category | Total students of all batches |
|--------------------|--|-----------|-------------------------------|
| 1. | 4 Year B. Tech (Marine Engineering) | UG | 998 |
| 2. | 2 Year MBA (International Transportation & Logistics Management) | PG | 41 |
| 3. | 2 Year M. Tech (Marine Engineering & Management) | PG | 11 |
| 4. | Ph. D (Marine Engineering & Management) | Doctorate | - |
| Grand Total | | | 1050 |

| # | Programme | Sanctioned Annual Intake | Students admitted during 2020-21 | | | | | |
|--------------------|----------------|--------------------------|----------------------------------|-----------|-----------|-----------|------------|------------|
| | | | SC | ST | OBC- NCL | Women | General | Total |
| 1. | B. Tech (ME) | 286 | 23 | 15 | 67 | 16 | 160 | 265 |
| 2. | MBA(IT&LM) | 34 | 02 | -- | 05 | 09 | 19 | 26 |
| 3. | M. Tech (ME&M) | 22 | - | -- | -- | -- | 07 | 07 |
| Grand Total | | 342 | 25 | 15 | 72 | 25 | 186 | 298 |

| # | Programme | Students studying in Campus during 2020-2021 | | | | |
|--------------------|----------------|--|----------------------|----------------------|----------------------|-------------|
| | | 1 st year | 2 nd year | 3 rd year | 4 th year | Total |
| 1. | B. Tech (ME) | 265 | 229 | 226 | 278 | 998 |
| 2. | MBA(IT&LM) | 26 | 15 | - | - | 41 |
| 3. | M. Tech (ME&M) | 07 | 04 | - | - | 11 |
| Grand Total | | 298 | 248 | 226 | 278 | 1050 |

| # | Programme | Students studying in Campus during 2020-2021 (Total) | | | | | |
|--------------------|-----------------|--|-----------|------------|-----------|------------|-------------|
| | | SC | ST | OBC-NCL | Women | General | Total |
| 1. | B. Tech (ME) | 127 | 66 | 336 | 24 | 469 | 998 |
| 2. | MBA(ITLM) | 05 | 01 | 10 | 11 | 25 | 41 |
| 3. | M. Tech. (ME&M) | - | - | 01 | - | 10 | 11 |
| Grand Total | | 132 | 67 | 347 | 35 | 504 | 1050 |

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

| # | Course Title | Duration | Participants |
|--------------------|--|----------|--------------|
| 1. | BST (PSSR, PST, EFA & FPF) | 11 days | 144 |
| 2. | STSDSD for B. Tech (ME) | 14 hrs. | 16 |
| 3. | MEO Class – I Preparatory Course | 2 months | 61 |
| 4. | Diesel Engine Combustion Gas Monitoring Simulator Course | 3 days | 0 |
| Grand Total | | | 221 |

e. Training Programmes

| # | Course Title | Duration (in days) | No. of Participants |
|--------------------|--------------|--------------------|---------------------|
| Nil | Nil | Nil | Nil |
| Grand Total | | | |

Note: No In-house MDP has been conducted at IMU-KC due to COVID Pandemic situation during the year.

f. Off Campus Management Development Programmes through on-Line:

| # | Course Title | Duration (in days) | No. of Participants |
|--------------------|--|--------------------|---------------------|
| 1. | Training for Administration, Establishment and Accounts at Andaman Lakshadweep Harbour Works, Port Blair | 10 | 13 |
| 2. | Training on Port Planning & Development at Port Management Board, Andaman & Nicobar Administration | 10 | 4 |
| Grand Total | | | 17 |

g. Faculty and Academic Staff

| # | Programme Wise | Regular | Contract | Visiting | Total |
|--------------------|-----------------|-----------|-----------|-----------|-----------|
| 1. | B. Tech (ME) | 09 | 16 | 17 | 42 |
| 2. | MBA (IT&LM) | 03 | 01 | 02 | 06 |
| 3. | M. Tech. (ME&M) | - | - | 04 | 04 |
| Grand Total | | 12 | 17 | 23 | 52 |

h. Details of Administrative and other Staff

| # | Department | Regular | Contract | Outsourcing | Total |
|----|--------------------------------|---------|----------|-------------|-------|
| 1. | Administration & Establishment | 14 | 02 | 06 | 22 |
| 2. | Accounts | 12 | - | - | 12 |
| 3. | Housekeeping | 11 | - | 39 | 50 |

| | | | | | |
|--------------------|-----------------------|------------|-----------|------------|------------|
| 4. | Training | 05 | - | 01 | 06 |
| 5. | Examination | 01 | - | 01 | 02 |
| 6. | PLA | 02 | - | - | 02 |
| 7. | Stores | 02 | - | - | 02 |
| 8. | Hostels | 02 | - | 03 | 05 |
| 9. | Workshop & Laboratory | 08 | - | 14 | 22 |
| 10. | Library | 03 | - | 01 | 04 |
| 11. | Security | 12 | - | 47 | 59 |
| 12. | Medical - Dispensary | 02 | 01 | 01 | 04 |
| 13. | Guest House | 01 | - | 05 | 06 |
| 14. | Mess | 37 | - | 07 | 44 |
| Grand Total | | 112 | 03 | 125 | 240 |

i. Status of Plan Works

| # | Description of the work | Sanctioned Amount under SFC (In Crores) | Status of the work |
|---|---|---|---|
| 1 | a) Construction of 3rd, 4th and 5th Floor of New Academic and Administrative Block with an Estimated Area of 5000 Sqm as per approved SFC Scheme at SI No.1. | 27.24 | 90% work completed. Finishing work is in progress |
| | b) Construction of 2nd Floor of New Academic and Administrative Block (Centre for Post Graduate and Doctoral Programmes) under approved SFC Scheme at SI No. 3. | | Work completed |
| 2 | a) Construction of New Academic & Administrative Block- 1750 sqm (G+1) adjacent to the east side of already constructed 1331 Sqm, G+1 building under approved SFC Scheme at SI No. 6. | 14.64 | a) Work completed |
| | b) Construction of 4 th Floor of OBC Hostel Building under SFC scheme at SI.No.6. | | b) Work completed |

| | | | |
|------------------------------------|--|--------------|-----------------|
| 3 | Providing & fixing noise attenuation/barrier wall over existing front side compound wall at IMU-KC | 00.57 | Work completed. |
| 4 | New Six Storied 356 Boys Hostel | 19.63 | 90% completed |
| 5 | Fire Mock Up facility | 01.22 | 95% completed |
| 6 | New Library and Warden Room Building | 09.01 | 55% completed |
| Grand Total (Rs. In Crores) | | 72.31 | |

j. Performance Based Rewards received by the students



| # | Name of the Program | No. of Students who received Rs.1,00,000/- reward | No. of Students who received Rs. 75,000/- reward | No. of Students who received Rs. 62,500/- reward | No. of Students who received Rs. 50,000/- reward |
|--------------------|-------------------------|---|--|--|--|
| 1. | B. Tech (ME) Dec 19 | 1 | 63 | Nil | 74 |
| 2. | MBA (IT&LM) Dec 19 | Nil | 2 | Nil | 1 |
| 3. | M. Tech (MEM) Dec 19 | 2 | 1 | 2 | Nil |
| Grand Total | | 3 | 66 | 2 | 75 |

k. Sports, Cultural, Literary competition within campus





INSA INAUGURAL TECHNICAL PAPER PRESENTATION COMPETITION

- i. The INSA Inaugural Technical Paper Presentation Competition was held on 20 Feb 2021 in which cadets of all MTIs were requested to participate. A total of 06 papers were selected out of all the papers received. One paper each from cadets of IMU-NMC, IMU-KC & IMU-MPC was selected for final presentation.

The following cadets of IMU-KC were awarded prizes: -

| Cadets | Paper | Prize | Photographs | |
|--|---|--------------------------------------|---|--|
| 1. Sayan Das 2. Anirban Bhattacharjee | Magnus Rotors for Greater Stability & Maneuverability of Ships | Consolation Prize (Rs 7000/-) |  Cadet Sayan das |  Cadet Anirban Bhattacharjee |

- ii. A paper titled **“Modification in Braking Technology of Ships”** written by Cadets Ritbik Kumar, Cadet Sourin Karmakar, Cadet Wamiq Asrar, and Cadet Raju Ranjan of B. Tech (Marine Engineering), 2019-2023 batch, IMU-Kolkata, published in the International Journal of Recent Engineering and Technology: ISSN:2277-3878, Volume-9, Issue 2, July 2020.

| | |
|--|---|
|  Cadets Ritbik Kumar |  Cadet Sourin Karmakar |
|  Cadet Wamiq Asrar |  Cadet Raju Ranjan |

- iii. Cadet Kartik Keshari, a 3rd year B. Tech (Marine Engineering) cadet from IMU Kolkata was selected and appointed as a Speaker in the Expert Session id National Youth Parliament Organisation (NYPO) on 07-08 Jan,2021. His vision & efforts were recognised with the award of **Best Youth Parliamentarian (runner up)** along with a cash prize of Rs 10,000/-.



Cadet Kartik
Keshari

- iv. A number of 09 cadets of 4TH year B. Tech (Marine Engineering) given their NCC “B” certificate examination on 24.01.2021 at North Point Senior Secondary Boarding School, Rajar Hat, West Bengal.
- v. A number of 30 cadets of B. Tech. (Marine Engineering) participated the NCC annual training camp held in March 2021.

- vi. Cadet Jagdishram B Midle of B. Tech (ME) recorded his name in the Guinness Book of World Records by performing the most number of Knuckle pushups in one minute.



Cadet Jagdishram
B Midle

- vii. Cadet Anirban Bhattacharjee of B. Tech. (ME) awarded 2nd Prize for Paper Presentation titled “An Overview on Implementation of Drones in Maritime Industry” in the ‘Samudramanthan-2021’, the annual technical fest of Department of Ocean Engineering and Naval Architecture, IIT, Kharagpur conducted from 19th to 21st March 2021.



Cadet Anirban
Bhattacharjee

I. Papers submitted / presentation made by faculties / staff

- i. Mr. Eswara Arun Kishore, Associate Professor successfully coordinated and facilitated various courses (1) Basics of remote Sensing GIS and GNSS (2) Remote Sensing and Digital Analysis (3) Global Navigation Satellite System (4) Understanding of coastal ocean processes using remote sensing and numerical modelling (5) Geographical Information System (6) Remote Sensing and GIS applications all conducted by Indian Institute of Remote Sensing (IIRS)/Indian Space Research Organisation (ISRO) for the benefits of its students.
- ii. PINCON 2021 - Pipeline integrity conference by NACE International: “Suggestions for improvement in marine pipeline technical tendering – an analysis on pre-pandemic tenders for improving quality and minimising costs” presented by Mr. Eswara Arun Kishore, Associate Professor in live Webinar on 2nd February 2021.
- iii. “Design Aspects of LNG Bunkering” topic presented by Mr. Eswara Arun Kishore, Associate Professor in the Natural Gas as Fuel Onboard Inland Vessels in New Normal – Sailing Seminar jointly conducted by GAIL and IMEI Kolkata on 31st March 2021 onboard a ferry on Hooghly.
- iv. Design of a multipurpose semi-trailer for transportation of bulk fly ash and bagged cement – Birla Corporation Ltd. – Principal Investigator Mr. Eswara Arun Kishore, Associate Professor, concept design was presented to the CEO Birla Corporation on 15th September 2020.

- v. Technical Advice on Fresh Water Generator issue on IOCL Chartered vessel – Interaction with Pipeline Division of India Oil Corporation Ltd. made by Mr. Eswara Arun Kishore, Associate Professor.
- vi. Invited paper titled “Education and Training in the Blue Economy: Indian Perspective”, for publishing in the Annual Technical Volume of Marine Engineering Division of the Institution on the theme “Blue Economy: Challenges and Opportunities in the field of Marine Engineering submitted by Dr. K Mitra, Faculty (Marine Engineering)
- vii. Two papers titled “Review on approaches to control disruptions on Smart Maritime Supply Chain Management Networks” and “Voyage towards a Green Ship Recycling: KoPT Ship Breaking Yard” submitted in AGA21 conference under International Association Maritime Universities submitted by Dr. Kalyan Mitra, Faculty (Marine Engineering).

m. Special activities undertaken at IMU-KC

- i. An On-line Yoga Session was held on 21st June 2020 on the occasion of International Day of Yoga conducted by MMA with the support of Ayush Ministry & Dg Shipping and in collaboration with Shri Ambika Yoga Kutir with active participation of Officers, staff and students.
- ii. 74rd Independence Day was observed on 15.08.2020 at IMU-KC with active participation of all Faculty, Officers, Staff and all students of IMU-KC.
- iii. Swachhta Pakhwada fortnight campaign was observe from September 16 to 30, 2020 with active participation of Faculty, Officers, staff and students

- iv. Hindi Pakhwada was celebrated from 08 to 14 September, 2020. On that occasion Hoisting Banner, Hindi Poetry / Essay Writing / Singing / Monologue competition were held.
- v. "Constitution Day" was observed on 16th November 2020 and Preamble of the Constitution was read out by the Campus Director. A talk on Constitutional Values & Fundamental Principles of the Indian Constitution was delivered by Shri T Mitra, Research Officer, IMU-KC.
- vi. Vigilance Awareness week was observed from 27.10.2020 to 2.11.2020. Integrity Pledge, display of banners, Essay Writing competition on "Vigilant India, Prosperous India" for students and employees were conducted during this occasion.
- vii. Communal Harmony Week observed from 19th to 25th November, 2020 at IMU-KC and Flag Day on 25th November, 2020
- viii. Refresher Orientation Programme (FOP) conducted online from 16th to 19th November, 2020 for the new entrant students of IMU, Kolkata Campus.
- ix. Jan Andolan Campaign on Covid-19 launched at IMU-KC in line with the tweet on 8th Oct 2020 by the Hon'ble Prime Minister and continued till now.
- x. Indian Navy, Govt of India, donated a DE-59 (Sl. No.3524) Gas Turbine to the Indian Maritime University, Kolkata Campus for the purpose of educational training of its students.



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

| # | Name of the programme & Date held | Organised by | Participants |
|---|---|------------------------|--|
| 1 | Awareness Workshop on Appropriate conduct and Behaviour at the Workplace on 4 th September, 2020 | IMU-KC through on-line | Lady students and lady employees of IMU-KC |
| 2 | QASPIR Training | IMU-KC | All faculty of IMU-KC |

o. Campus Placements

| # | Program Name | Students Details | | |
|--------------------|----------------|------------------|------------|--------------|
| | | Total | Placed | % Placed |
| 1 | B. Tech (ME) | 251 | 160 | 63.75 |
| 2 | MBA (IT&LM) | 11 | 11 | 100 |
| 3 | M. Tech (ME&M) | - | - | - |
| Grand Total | | 262 | 171 | 65.27 |



Awareness Workshop for lady students and employees



Jan Andolan Campaign



Vigilance Pledge and Essay Competition



SWATCHHTA
PAKWADA
2020

DEBATE
RESULTS

Congratulations
HARD WORK
DETERMINATION
PERSEVERANCE

| | | |
|---|---|---|
| 1 | Pratyay Ray |  |
| 2 | Edison Dwivedi <small>@edison.dwivedi_official</small> |  |
| 3 | Archan Biswas <small>@archan_biswas</small> |  |

Swatchha Phakwada/Abhijan



Constitution Day – Special Lecture



Hindi Phakwada - Monologue



NCC Training/Classes

13. 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 the formation of Indian Maritime University (IMU) a Central University/ Government of India these Institutes came under the 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 also undergone the maiden CIP (Comprehensive Inspection Programme) of DG Shipping during the Year.

b. Name of Campus Director

| # | Name | Period |
|----|--|--------------------------|
| 1. | Rear Admiral Samir Saran Lal (Retd), VSM | 01.04.2020 to 31.03.2021 |

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 | 32 |
| 2 | 4 Year B. Tech (Marine Engineering) | UG | 189* |
| Total | | | 221 |

*Includes 07 women students

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/Training Programmes

| # | Course | Duration | Participants |
|---|--|----------|--------------|
| 1 | Radar Observer Course (ROC) | 10 days | 00 |
| 2 | Automatic Radar Plotting (ARPA) | 05 days | 07 |
| 3 | Radar, ARPA And Navigation Simulator Course (RANSCO) | 05 days | 00 |
| 4 | Global Maritime Distress and Safety System (GMDSS) | 12 days | 32 |
| 5 | Engine Room Simulator Class-II (ERS-II) | 05 days | 03 |
| 6 | Diesel Engine Combustion Gas Simulator (DECGS) | 03 days | 00 |

| | | | |
|--------------|---|------------|--------------|
| 7 | Proficiency in Survival Craft & Rescue Boat (PSCRB) | 05 days | 10 |
| 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 | 0 |
| 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 | 14 |
| 15 | Advanced Shipboard Management (FG) (ASM-FG) | 1.5 months | 00 |
| 16 | First Mate (FG) Phase –I | 3 months | 05 |
| 17 | First Mate (FG) Phase –II | 3 months | 13 |
| 18 | First Mate (NCV) Phase I | 3 months | 37 |
| 19 | First Mate (NCV) Phase II | 3 months | 32 |
| 20 | Advanced Shipboard Management (ASM-NCV) | 1 month | 16 |
| 21 | Second Mate (FG) Function | 4 months | 00 |
| 22 | Navigating Watch Keeping Officer (NWKO- NCV) | 4 months | 00 |
| 23 | Second Mate Foundation | 2 months | 42 |
| 24 | Marine Engineering Officer Class I, (MEO CLASS –I) | 2 months | 00 |
| 25 | Marine Engineering Officer Class II, (MEO CLASS –II) | 4 months | 14 |
| 26 | Refresher Training for Proficiency in Survival Craft & Rescue Boat Course and PST | 01 day | 84 |
| 27 | Electronic Chart Display and Information System (ECDIS) | 5 Days | 08 |
| 28 | Refresher & Upgradation Course for Engineers | 3 Days | 11 |
| Total | | | 328 * |

* In view of lockdown the Post-Sea Classes were suspended from March 2020. 'Theory' portion of Post-Sea Classes were permitted by DG Shipping from October 2020. However, the Simulator and practical classes remained suspended. From January 2021, Simulator and practical classes were permitted with 33% / 50% capacity respectively. These factors have resulted in a less enrolment during the year.

f. Faculty

| # | Discipline | Regular | Contract | Visiting | Outsourced | Total |
|--------------|----------------|----------|-----------|-----------|------------|-----------|
| 1 | Nautical | 2 | 6 | 8 | - | 16 |
| 2 | Marine | 2 | 4 | 3 | - | 9 |
| 3 | Other Subjects | 1 | 7 | 10 | - | 18 |
| Total | | 5 | 17 | 21 | 0 | 43 |

g. Administrative, Academic & Support Staff

| # | Discipline | Regular | Contract | Visiting | Outsourced | Total |
|--------------|--------------------------|-----------|----------|----------|------------|------------|
| 1 | Officers | 3 | - | - | - | 3 |
| 2 | Medical Officer | - | 1 | - | - | 1 |
| 3 | Academic & Support Staff | 6 | 4 | 6 | 2 | 18 |
| 4 | Library | 1 | 1 | - | 1 | 3 |
| 5 | Support Staff | 13 | - | - | 18 | 31 |
| 6 | MTS | 23 | - | - | - | 23 |
| 7 | Housekeeping / Security | - | - | - | 55 | 55 |
| Total | | 46 | 6 | 6 | 76 | 134 |

h. Status of Plan Works

| # | Description of the work | Sanctioned Amount (Rs. in Crores) | Status |
|----|--|--------------------------------------|---------------------|
| 1. | Construction of Additional 2 floors on the existing (G+9) New Hostel | 14.78 | 75 % Work completed |

i. Performance Based Rewards received by the students:

| # | Program Name | Number of Students & Amount Received | | | |
|--------------|--------------|--------------------------------------|-----------|-----------|-----------|
| | | Rs 1,00,000 | Rs 75,000 | Rs 50,000 | Total |
| 1 | B. Sc. (MS) | 1 | 2 | 2 | 5 |
| 2 | B. Tech (ME) | 1 | 20 | 23 | 44 |
| Total | | 2 | 22 | 25 | 49 |

j. Campus Placements

| # | Program Name | Total | Placed | % Placed |
|--------------|--------------|-----------|-----------|-----------|
| 1 | B. Sc. (MS) | 19 | 19 | 100 |
| 2 | B. Tech (ME) | 73 | 55 | 75 |
| Total | | 92 | 74 | 80 |

k. Covid Prevention

- i. The Year started with the Nation-wide 'total lock-down'. The preparatory activities undertaken prior to Lockdown came handy. Necessary safety measures were introduced in the form of installing wash basins near the main gate, procurement of PPE kit, contactless thermometers, pulse oximeter, foot operated dispensers for soap / sanitizer, Area Sanitizing machines etc.
- ii. Key administrative and accounts personnel were asked to shift within the Campus. Minimum number of outsourced security / housekeeping staff was also provided accommodation in the Campus. During the 'total lockdown' 14 Post-Sea Mariners were stuck in the Campus. In addition, there were 32 CPWD Contract workers staying in Campus for ongoing works. A total of 104 persons were locked down in the Campus. The Mess was kept running, the dry and fresh provisions were being supplied under the rate contract of the Mess. No individual was permitted to leave the Campus, only a designated driver was utilized for inescapable marketing. After every trip the vehicle was sanitized. With these precautions, no medical case was reported in the Campus throughout the 'total lockdown'.

l. Preparation - Online Classes: In order to restart the Classes, the Faculty were given formal training for taking 'online' classes. This was centrally organized by the University Headquarters.

m. Faculty Knowledge Upgradation: Following Courses were authorized:

- i. 3 Faculty attended AECS course, 29 Dec 2020 to 09 Jan 2021, as per requirement by DGS.

- ii. 2 Faculty attended TSTA course, 13 to 17 Jan 2021, as per requirement by DGS for faculty taking Simulator Classes.
- iii. Five attend the ISO Lead Auditor Certification course during 15 to 19 March 2021.
- iv. Six Faculty attended online “Training program on E-Content development” organized by NITTTR Chennai 22-26 March 2021.

n. Commencement of Classes: The online classes were started as indicated below:

- i. **Pre-Sea Classes.** Pre-Sea ‘theory’ classes were started from 02 April 2020. This was much before DGS issued the formal directives.
- ii. **Post-Sea Classes.** The ‘online’ theory classes were permitted by DGS Training circular No. 19/2020 on 18 May 2020 provided certain conditions were met. The necessary ‘safeguards’ were put in place and the Post Sea Classes commenced from 10 June 2020.
- iii. **Simulator Courses.** Simulator classes were permitted by DGS from January 2021, with intake restricted to 33% of sanctioned capacity.

o. Conduct of B. Tech (ME) Final Year Examinations: The B. Tech (ME) Curriculum stipulates certain hours of External Marine Workshop Training. When the lockdown was imposed, this training was only partially complete. With no possibility of Cadets returning to Campus, alternative methods for completing the training were examined. Discussions were held with DDG (Training) and approval of ‘Component Authority’ was taken to substitute ‘external workshop training’ with CBT (Computer Based Training) modules of ERS (Engine Room Simulator) in accordance with IMO Model Course 7.04 & 7.02. This resulted in timely completion of the Syllabus and the examinations conducted in September and results declared on 01 Oct 2020.

- p. ISO Certification:** ISO Surveillance Audit was conducted in January 2021 by IRQS. The Quality Manuals were amended so as to comply with the DGS Order 23 of 2020. This was a pre-requisite for Campus to undergo CIP.
- q. Comprehensive Inspection Programme (CIP):** Pre-Sea Courses conducted in the Campus (in erstwhile MERI as per DGS records), underwent the maiden CIP. The IRS were the RO. The Campus was assessed and awarded 83.8 % marks.
- r. Cadets Mentorship Programme by Institute of Marine Engineers [IME(I)] Mumbai Chapter:** After discussions with the Officials of the IME(I), a mentorship programme was started for the Final Year B. Tech (ME) Cadets who were student member of the Institute. Each Cadet was allocated a Senior Marine Engineer / Member of IME(I) to be their mentor and to guide them in preparation of their CVs, tips on attending interviews, and all other aspects of the Profession.
- s. Making Old / Non-ops Equipment Functional:** The Campus had several equipment kept for display purpose as they were not operational. During the lockdown, the faculty (Marine Engineering) and Workshop Instructors examined all such non-operational equipment and have made several of them operational. In doing so certain fittings / parts which were not available were improvised using reverse engineering. Few equipment made functional are listed below. Few photographs are also attached.
- i Fire Fighting Engine.
 - ii Kirloskar Four stroke Engine.
 - iii Fuel Testing Machine

- iv Steam Turbine Test Rig Unit
- v Water Tube Boiler
- vi Steering Gear 2-Ram hydraulic system
- vii High Expansion engine driven foam generator

t. Conduct of PGDME Course: MPC has DGS approval to conduct PGDME Course with an intake of 120 Cadets. Since the last few years, the Campus was running only one batch. In view of the demand to have two batches in a year, DGS was approached and approval has been taken to conduct two Courses every year keeping the total intake restricted to sanctioned number.

u. Recall of Cadets: After the Campus was authorized to open for conduct of Practical Classes, the Final Year B Tech (ME) Cadets were asked to report in batches from 01 Dec 2020 onwards. All stipulations and guidelines as promulgated by Central & State Government / DGS were ensured.

v. Infrastructure Upgradation: Both administrative buildings for Pre and Post-Sea Courses are more than 55 years old. Similarly, two out of three hostel buildings are more than 50 years old. The administrative buildings and hostels are planned for structural repairs and upgradation. LBS Admin Building work is in progress.

w. Waterproofing MERI Admin Building: Based on the recommendations of IIT Madras, waterproofing of MERI Admin Building was to be undertaken prior to onset of monsoons in 2020. In view of locked down, CPWD was unable to undertake the tendering. The Campus, under the GFR Powers delegated by HQs IMU did limited tendering and work was completed.

- x. Contactless Biometric Attendance:** In view of fingerprint biometric devices prohibited from use, contactless / face recognition Biometric Attendance devices have been installed.
- y. Other Activities in Campus:** During the year following major activities were undertaken following all SOPs /precautions against Covid -19.
- i. Flag hoisting on 15th August 2020/ 26th January 2021
 - ii. Hindi Pakhwada from 14th to 25th September 2020
 - iii. Vigilance Awareness Week from 27th October to 2nd November 2020 with the theme **“Vigilant India Prosperous India”**.
 - iv. Flag Hoisting on IMU Raising Day 14th Nov 2020.
 - v. Students’ interaction with President / Secretary / Executive Member- Students Development of Institute of Marine Engineering (I), Mumbai Chapter on 17th Feb 2021.
 - vi. International Women’s Day celebration on 8th March 2021.
- z. Distinguished Visitors to Campus:**
- i. Dr (Mrs) Malini V Shankar, IAS (Retd) on 23rd July 2020 to take over as Vice Chancellor of IMU.
 - ii. Dr. Sergei Fandeev, Vice Consul & Director, of the Russian Centre for Science & Culture, Mumbai on 19th August 2020.
 - iii. Shri. Ashish Wankhede, DDG (Technical) and Engineer Surveyor MMD on 16th Nov 2020.
 - iv. Cdr. Satish Chandra for ISO Surveillance Audit from 4th to 23rd Jan 2021.
 - v. Shri. H.N. Tiwari, Senior Surveyor, IRS on 8th to 9th Feb 2021 for CIP Assessment.

- vi. Shri. Ajay Gokhale, Senior Surveyor, IRS on 8th to 9th Feb 2021 for CIP Assessment.
- vii. Shri. V K Jain, President IME(I) Mumbai Chapter on 17th Feb 2021.
- viii. Commodore Bhupesh Tater, Secretary IME(I) Mumbai Chapter on 17th Feb 2021.
- ix. Shri Rajesh Doshi, Chairman IME(I) Gujarat Chapter 17th Feb 2021.
- x. Shri Amit Nair, Lead Auditor of IRQS from 15th to 19th March 2021.

aa. Awards won in Competitions / Seminars:

i. Transtech'21 (28 - 30 April 2021)

Cadet Saksham Jaiswal, Cadet Kundan Kumar and Cadet Jay Singh has won the theme prize for their technical paper presentation titled "Life Cycle Analysis of a Ship" in the technical fest 'Transtech-2021', organized by Tolani Maritime Institute in association with IME(I) and the Institution of Engineers (India).



ii. **Online National Poster Making Competition (29 June 2021)**





Cadet Vikas Rathaur, B. Tech (ME), 2nd year student of IMU-Mumbai Port Campus has won award for the Best Poster in Online National Poster Making Competition.



Cadet Vikas Rathaur

iii. **Samudramanthan-2021 (19 - 21 March 2021) organized by Dept. of Ocean Engineering and Naval Architecture, IIT Kharagpur**

- Cadet Param Sharma won 1st prize for the presentation of a case study on elimination of solid ballasting in Mahindra vessels M033 and adoption of electric propulsion on board the Mahindra vessels M017 and M022.
- Cadet Ashutosh Kumar won 1st prize for the poster design on world Maritime day and was awarded the best entry.
- Cadets Ashutosh Kumar and Ashutosh Choudhary won 1st and 2nd prizes respectively in the quiz competition involving complex jigsaw puzzles and crosswords, all linked to the marine and offshore industry.
- Cadets Saksham Jaiswal and Ashutosh Choudhary won 2nd and 3rd prizes respectively in the quiz competition based on Maritime fields on topics like Naval Architecture, Ship Building, Offshore Technology, Geographical features etc.

| | |
|---|--|
|  <p data-bbox="416 647 662 674">Cadet Param Sharma</p> |  <p data-bbox="922 647 1187 674">Cadet Ashutosh Kumar</p> |
|  <p data-bbox="379 1010 699 1037">Cadet Ashutosh Choudhary</p> |  <p data-bbox="922 1010 1187 1037">Cadet Saksham Jaiswal</p> |

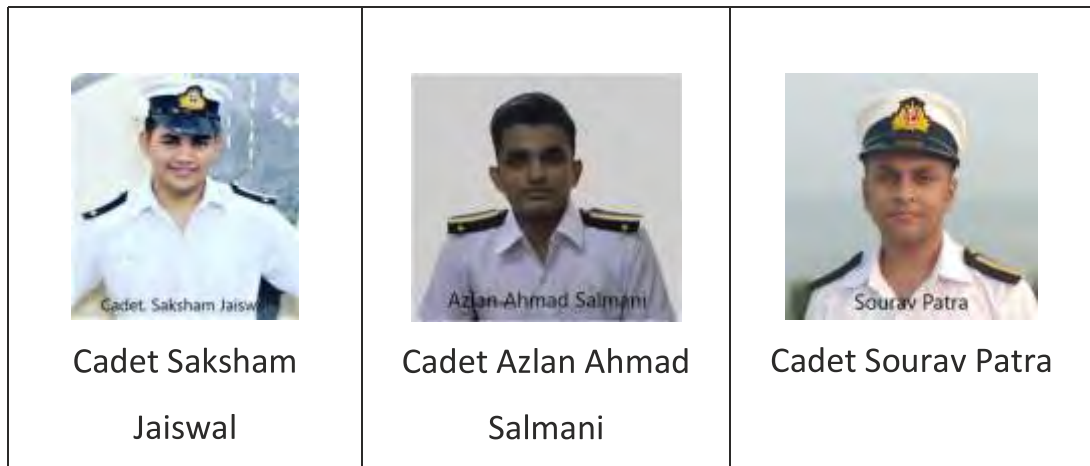
iv. Indian National Shipowners Association (INSA) Inaugural Technical Paper Presentation Competition (20 February 2021)

Cadet Gaurav Kumar has secured a Consolation Prize in the competition for his paper titled "A Clean Hybrid Propulsion Drive" organized by Shipowners Association.



v. 4th International Conference on Research & Developments in Engineering, Pharmacy & Management (ICRDEPM) – 2021 (7 February 2021), organized by International Institute of Research in Multidisciplinary – Skill Development Trust

Cadet Saksham Jaiswal, Cadet Azlan Ahmad Salmani and Cadet Sourav Patra has presented the Paper titled "Intelligent Suit for Monitoring and Controlling Heatstroke (iSuit)."



vi. **"Jaya Hey - Vijay Diwas Fest" - All India Open Online Writing Competition (16 December 2020)**

Cadet Anuj Singh has won Third prize in the All-India Open Online Writing Competition organized by Honourpoint Foundation.



vii. **International Shipping Conference (ISCO) (26 - 28 November 2020)**

Cadet Ayush Sharma has Presented his Technical Paper titled "Maritime Sector - A Compass to the Vision of Atma Nirbhar Bharat" in the International Shipping Conference organized by the Institute of Marine Engineers, Kolkata Branch & The Company of Master Mariners India, Kolkata Chapter.





Mumbai Port Campus (LBS CAMSAR & MERI Buildings)



Dr. (Mrs) Malini V Shankar, IAS (Retd) on 23 July 2020 joined as Vice Chancellor of Indian Maritime University



Visit of Dr. Sergei Fandeev, Vice Consul & Director, Russian Centre for Science & Culture Mumbai on 19 August 2020



Visit of Shri. Ashish Wankhede, DDG (Technical) and Engineer Surveyor MMD on 16 Nov 2020



Observance of "Hindi Pakhwada" in the campus during 14-25 September 2020.



Observance of "Swachhata Pakhwada" during 16-30 September 2020



Observance of "Vigilance Awareness Week" in the campus during 27 October to 02 November 2020



CIP – Visit of Inspecting Officers / Guard of Honour 08 Feb 2021



CIP – Live Demonstration & Review of Class Lecture by CIP Inspection Team on
09 February 2021



Trials of Steam Turbine Test Rig Unit



High Expansion engine driven foam generator in use

14. 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 43 acres; The Campus is located within the eco sensitive area between Palm Beach Road and the Vashi Creek Mangroves.

- ii. Year 1927 was a remarkable and epoch-making year in the history of modern Indian Shipping. The Great visionary Sir P.S Sivaswamy Iyer's strong advocacy for the cause resulted in acceptance of a resolution on 19th March 1926 by the Central Government to commence the Indian Mercantile Marine; the Ministry of Commerce, accordingly acquired troopship Dufferin and so the three-year course for the first batch commenced on T.S. Dufferin on 5th December 1927 with 26 cadets. "Training Ship Chanakya", now Indian Maritime University, Navi Mumbai Campus, the shore-based academy is successor to the Training Ship Rajendra (1972-1993) & became operational on 05 April 1993. Indian Maritime University, a Central University was established by an Act of Parliament in the year 2008. Thereafter, all the Government of India institutes of Nautical and Marine Engineering sector became a part and parcel of this university. This was necessitated to foster and facilitate Maritime Studies and Research of global standards.

b. Name of Campus Director

| # | Name | Period |
|----|-----------------------------|--------------------------|
| 1. | Cmde. Rajeev Bansal (Retd.) | 01.04.2020 to 31.03.2021 |

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

| # | Programme | Category | Total students studying in the Campus |
|--------------------|---|----------|---------------------------------------|
| 1 | One-year Diploma in Nautical Science course leading to B.Sc. (Nautical Science) | Diploma | 37 |
| 2 | 3 Year B. Sc. (Nautical Science) | UG | 506 |
| 3 | Two-year M. Sc. (Commercial Shipping & Logistics) | PG | 14 |
| Grand Total | | | 557 |

| # | Programme | Sanctioned Annual Intake | Students admitted during 2020-21 | | | | | | |
|--------------------|--------------|--------------------------|----------------------------------|-----------|-----------|-----------|----------|-----------|------------|
| | | | SC | ST | OBC-NCL | EWS | Women* | General | Total |
| 1. | DNS | 40 | 7 | 2 | 16 | 8 | -- | 4 | 37 |
| 2. | B.Sc. (NS) | 185 | 17 | 8 | 53 | 13 | 6 | 81 | 172 |
| 3. | M.Sc. (CS&L) | 30 | 2 | - | 2 | 1 | 1 | 3 | 8 |
| Grand Total | | 255 | 26 | 10 | 71 | 22 | 7 | 87 | 217 |

| # | Program Name | Students studying in the Campus during 2020-21 | | | |
|--------------------|--------------|--|----------------------|----------------------|------------|
| | | 1 st year | 2 nd year | 3 rd year | Total |
| 1. | DNS | 37 | - | - | 37 |
| 2. | B.Sc. (NS) | 172 | 155 | 179 | 506 |
| 3. | M.Sc. (CS&L) | 8 | 6 | -- | 14 |
| Grand Total | | 217 | 161 | 179 | 557 |

| # | Program | Sanctioned Annual Intake | Students studying in the Campus during 2020-21 (Total) | | | | | | |
|--------------------|--------------|--------------------------|--|-----------|------------|-----------|-----------|------------|------------|
| | | | SC | ST | OBC-NCL | EWS | Women | General | Total |
| 1. | DNS | 40 | 7 | 2 | 16 | 8 | -- | 4 | 37 |
| 2. | B.Sc. (NS) | 555 | 65 | 26 | 161 | 21 | 15 | 233 | 506 |
| 3. | M.Sc. (CS&L) | 30 | 2 | 1 | 4 | 1* | 1 | 6 | 14 |
| Grand Total | | 625 | 74 | 29 | 181 | 30 | 16 | 243 | 557 |

*EWS Scheme implemented only from AY 2019-20.

d. Standards of Training, Certification and Watchkeeping for Seafarers" (STCW)

Modular Courses: Following STCW Modular Courses for NMC Pre-Sea Cadets were conducted

- i. ECDIS
- ii. Advanced Fire Fighting & Advanced Fire Fighting Refresher Course
- iii. GMDSS
- iv. 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.

e. Post Sea Courses/Training Programmes

| # | Name of the course | Duration | No. of Participants (2019-20) | No. of Participants (2020-21) * |
|----|---|----------|-------------------------------|---------------------------------|
| 1. | Personal Safety and Social Responsibility Course (PSSR) | 11 Days | 116 | 59 |
| 2. | Advanced Fire Fighting | 1 week | 03 | 03 |
| 3. | REFRESHER Advanced Fire Fighting | 1 Day | 92 | 04 |
| 4. | Enclosed Space Entry Rescue Drill | 1 Day | 100 | 60=B. Sc Sem-VI –A |
| 5. | STSDSD | 2 Days | 82 | 180 |
| 6. | GMDSS | 12 Days | 12 | 05 |
| 7. | ECDIS | 06 Days | -- | -- |

* Conduct of post sea and modular courses has got curtailed due to closure of campus and DGS orders to suspend training/Restricting batch size to 1/3 view COVID Pandemic.

f. Faculty and Academic Staff

| # | Discipline | Regular | Contract | Visiting | Total |
|----|---------------------|---------|----------|----------|-------|
| 1. | Nautical Science | 06 | 03 | 07 | 16 |
| 2. | Marine Engineering | - | 01 | 01 | 02 |
| 3. | Radio Communication | - | - | 01 | 01 |
| 4. | Academics | 03 | 01 | 06 | 10 |

| | | | | | |
|--------------------|------------|-----------|-----------|-----------|-----------|
| 5. | Management | - | - | 06 | 06 |
| 6. | Marine Law | - | - | 01 | 01 |
| Grand Total | | 09 | 05 | 22 | 36 |

g. Administrative and other Support Staff

| # | Category | Regular | Contract | Visiting | Total |
|--------------------|--|-----------|-----------|----------|-----------|
| 1. | Officers | 01 | 02 | - | 03 |
| 2. | Staff | 04 | 07 | - | 11 |
| 3. | Librarians | 02 | - | - | 02 |
| 4. | Deemed Deputationist Cook / Steward/ Mali | 23 | - | - | 23 |
| 5. | Wardens | - | 02 | - | 02 |
| 6. | Instructor | - | 06 | - | 06 |
| Grand Total | | 30 | 17 | - | 47 |

h. Status of Plan Works

| # | Description of the work | Sanctioned Amount (Rs. In Crores) | Status of work |
|----|--|--------------------------------------|--|
| 1. | Preliminary Estimate for providing Web based digital lecturing & Smart Class | 0.41 | Work completed Taking over in progress. |
| 2. | Replacement of existing 200KVA DG Set with a new 500 KVA DG Set | 0.74 | Work Completed |
| 3. | Special Repairs of Old Hostel | 0.96 | Work 90% Completed |

Note:

1. A revised master plan has been prepared and submitted to IMU-HQ for further processing to make good shortfall in facilities due to increase in strength of cadets on implementation of OBC as well as EWS reservation. The

plan envisages construction of additional academic block to house 8 class rooms, library and labs, hostel accommodation with 100 twin sharing rooms, mess for 300 cadets and sports facilities apart from some other service expansions.

2. Provisional sanction has been accorded by the VC for construction of 60 room Hostel, four Class rooms and development of Sports Field to ease the infrastructure constraints. CPWD is preparing the estimates and design to execute the work.

3. HQ has approved the proposal for procurement of simulators to enhance training standards. Procurement of OOW and Welding simulators are in progress. Steering Simulator and LCHS simulators are to be budgeted in FY 22-23.

4. A proposal to build Replica Ships Bridge with functional equipment has been approved by HQ. The project work would be progressed on easing off prevailing pandemic conditions as the team of faculties need to visit various locations to identify the functional used equipment.

i. Details of Purchases made under SFC funds: NIL

j. Performance Based Rewards received by the students.

| # | Program Name | Number of Students & Amount Received | | | | |
|--------------------|--------------|--------------------------------------|-------------|-------------|--------------|-----------|
| | | Rs.1,00,000/- | Rs.75,000/- | Rs.50,000/- | Rs. 37,500/- | Total |
| 1. | B.Sc. (NS) | 01 | 09 | 18 | 07 | 35 |
| 2. | M.Sc. (CS&L) | Nil | Nil | 02 | 02 | 04 |
| Grand total | | 01 | 09 | 20 | 09 | 39 |

k. Campus Placements

| # | Name of the Program | 2019 Pass Out Batch | | | 2020 Pass Out Batch | | |
|----|---------------------|----------------------|--------------|-------------|----------------------|--------------|------------|
| | | Total No.of Students | Total Placed | % Placed | Total No.of Students | Total Placed | % Placed |
| 1. | B.Sc. (NS) | 147 (KT – 9+2#) | 120 | 88% | 145 (KT- 02) | *134 | 94% |
| 2. | DNS | 30 (KT-6) | 11 | 45% | 36 | *14 | 39% |
| 3. | M.Sc. (CS&L) | 8 | 8 | 100% | 6 | *3 | 50% |

* Placement in progress

2 students Changed their field

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

Note: Placement of 2021 passing batch is in progress.

I. Awards won in Competitions/ Seminars:

1. Cadet Amit Vaishnav and Cadet Nikita Sachan [both IIIrd Year B.Sc. (NS)] won Cash prize of Rs 15,000/- in the Technical Paper presentation competition organised by INSA for presenting their project of “Wi-Fi enabled Safety Helmet” to alert the bridge of personal safety in the event fall, man overboard, being drunk.



2. Cadet Aditya Kumar 1st Year B. Sc. Secured Fourth position in Canada Mind Sport Olympiad. The Cadet has developed unique skill of Mental calculation wherein he is able to mentally multiply/exponential to 3rd order for up to 9 digit number.

Canadian Mind Sport Association
Honorary memory and math Challenges 2021

| Participant | Addition | Multiplication | Division | Total Challenge Points (1-3) | Special Achievement |
|----------------------------------|--|--|--|---------------------------------|---|
| Aditya Kumar Alameda India | Attempt 1: 11:20 Attempt 2: 14:47 Official score: 41 CP: 30 | Attempt 1: 11:20 Attempt 2: 20:49 Official score: 17 CP: 25 | Attempt 1: 20:06 Attempt 2: 25:20 Official score: 41.9 CP: 28 | 51 | Secured first position in addition, top 10 in division of division, top 10 in multiplication, top 10 in division. |
| Arjun Mumbai India | Attempt 1: 0:4 Attempt 2: 1:6 Official score: 11 CP: 8 | Attempt 1: 1:10 Attempt 2: 1:11 Official score: 11 CP: 8 | Attempt 1: 1:13 Attempt 2: 1:16 Official score: 11 CP: 8 | 0 | |
| Shant Thane India | Attempt 1: 6:10 Attempt 2: 17:23 Official score: 11 CP: 11 | Attempt 1: 12:36 Attempt 2: 19:40 Official score: 18.5 CP: 15 | Attempt 1: 17:08 Attempt 2: 19:49 Official score: 14.5 CP: 16 | 41 | |
| Riya Mumbai India | Attempt 1: 14:16 Attempt 2: 19:18 Official score: 16 CP: 21 | Attempt 1: 14:16 Attempt 2: 18:18 Official score: 16 CP: 21 | Attempt 1: 14:16 Attempt 2: 18:18 Official score: 16 CP: 21 | 0 | |



Making India as well as Chandrayaan proud
 @SUDRANINDIA @TSCHANAYAN @HSCADESUDRA @SUDRA @SUDRA

m. Distinguished Visitors to the Campus

| # | Name of the Visitor and Designation | Date | Purpose of Visit |
|----|---|------------|--------------------------------|
| 1. | Vice-Chancellor Dr. Malini V Shankar, IAS (Retd.) | 09-09-2020 | First visit on assuming charge |

* Campus has been closed since Mar 2020 due to COVID Pandemic.



Vice-Chancellor Dr Malini V Shankar
Addressing the staff on her maiden Visit to the Campus

n. Photos



SEAMANSHIP TRAINING
BOSUN CHAIR RIGGING



FIRE FIGHTING DRILL USING
SCBA SET



BASIC SURVIVAL TRAINING



ELEMENTARY FIRST AID TRAINING
EVACUATION OF CASUALTY

Training



Lifeboat Drill





DRC Legacy Museum

15. 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" (NSDRC). Pioneered in the early '90s by the Government of India to pilot and consolidate national domain knowledge with global vision, NSDRC has undertaken several milestone projects in the areas of Ship Design, Construction and Applied Research. Therefore, IMU Visakhapatnam Campus heralds the integration of visionary academic insight with the accumulated professional expertise and knowledge base on Ship Design and Maritime Technology. The School of Naval Architecture & Ocean Engineering (NA&OE) conducts Undergraduate Programme, B. Tech (NA&OE) and Post-Graduate Programmes, M. Tech (NA&OE), M. Tech (Dredging & Harbour Engineering) and Ph.D. The School of Maritime Management (SMM) conducts Post Graduate Programme, M.B.A. in International Transport & Logistics Management.

b. Name of Campus Director

| # | Name | Period |
|----|----------------------------|--------------------------|
| 1. | Prof. I. N. Niranjan Kumar | 01.04.2020 to 31.03.2021 |

c. Academic Programs offered in the Campus during the period

| # | Name of the Program | Category | Total students studying in the Campus |
|----|------------------------|----------|---------------------------------------|
| 1. | 4 Year B. Tech (NA&OE) | UG | 185 |
| 2. | 2 Year M.B.A (IT&LM) | PG | 35 |
| 3. | 2 Year M. Tech (NA&OE) | PG | 23 |
| 4. | 2 Year M. Tech (D&HE) | PG | 12 |

| # | Name of the Program | Sanctioned Annual Intake | Students admitted during 2020 – 21 | | | | | Total |
|--------------------|---------------------|--------------------------|------------------------------------|----------|-----------|----------|-----------|-----------|
| | | | SC | ST | OBC-NCL | EWS | General | |
| 1 | B.Tech. (NA&OE) | 51 | 6 | 1 | 13 | 4 | 23 | 47 |
| 2 | M.B.A (IT&LM) | 40 | 1 | - | 4 | 2 | 12 | 19 |
| 3 | M.Tech. (NA&OE) | 26 | 1 | - | 2 | 1 | 6 | 9 |
| 4 | M.Tech. (D&HE) | 26 | - | - | 5 | | 2 | 7 |
| Grand Total | | 143 | 8 | 1 | 24 | 7 | 43 | 82 |

| # | Program Name | Students studying in Campus during 2020-21 | | | | |
|--------------------|-----------------|--|----------------------|----------------------|----------------------|------------|
| | | 1 st year | 2 nd year | 3 rd year | 4 th year | Total |
| 1. | B.Tech. (NA&OE) | 47 | 42 | 40 | 56 | 185 |
| 2. | M.B.A (IT&LM) | 19 | 16 | NA | NA | 35 |
| 3. | M.Tech. (NA&OE) | 14 | 9 | NA | NA | 23 |
| 4. | M.Tech. (D&HE) | 7 | 5 | NA | NA | 12 |
| Grand Total | | 87 | 72 | 40 | 56 | 255 |

| # | Program Name | Students studying in Campus during 2020-21 (Total) | | | | | | |
|--------------------|-------------------|--|-----------|-----------|-----------|-----------|------------|------------|
| | | SC | ST | OBC-NCL | EWS | Women | General | Total |
| 1. | B.Tech. (NA & OE) | 16 | 09 | 52 | 6 | 24 | 102 | 185 |
| 2. | M.B.A (IT&LM) | 3 | - | 6 | 4 | 4 | 22 | 35 |
| 3. | M.Tech. (NA&OE) | 1 | - | 7 | 3 | 3 | 12 | 23 |
| 4. | M.Tech. (D&HE) | - | - | 6 | - | - | 6 | 12 |
| Grand Total | | 20 | 09 | 71 | 13 | 31 | 142 | 255 |

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

e. Faculty and Academic Staff

| # | Program Name | Regular | Contract | Visiting | Outsourcing | Total |
|--------------------|-------------------|-----------|-----------|----------|-------------|-----------|
| 1. | B.Tech. (NA&OE) | 03 | 06 | - | - | 09 |
| 2. | M.Tech. (NA & OE) | | | | | |
| 3. | M.Tech. (D&HE) | | | | | |
| 4. | M.B.A (IT&LM) | 02 | 01 | - | - | 03 |
| Grand Total | | 05 | 07 | - | - | 12 |

f. Administrative and other Staff

| # | Department | Regular | Contract | Outsourcing | Total |
|--------------------|--------------------------------|-----------|-----------|-------------|-----------|
| 1. | Administration & Purchase | 07 | 01 | - | 08 |
| 2. | Finance & Accounts & Transport | 06 | - | - | 06 |
| 3. | Academics | 06 | - | - | 06 |
| 4. | Library | 03 | - | - | 03 |
| 5. | Maintenance | 03 | - | - | 03 |
| 6. | Information Technology | 01 | 01 | - | 02 |
| Grand Total | | 26 | 02 | - | 28 |

g. Status of Plan Works

| # | Description of the work | Sanctioned Amount (Rs. in Lakhs) | Status of the work |
|----|---|----------------------------------|--|
| 1. | Video Conference & AV System for Interactive Class Room, Teaching Studio Room and Conference Room | 30.00 | Amount deposited with CPWD and the Work is in Progress |

h. Performance Based Rewards received by the students

| # | Name of the Program | No. of Students & Amount Received | | |
|--------------------|----------------------------------|-----------------------------------|-----------|-----------|
| | | Rs. 1,00,000 | Rs.75,000 | Total |
| 1. | B.Tech. (NA&OE) | 4 | 16 | 20 |
| 2. | M.Tech. (NA&OE) & M.Tech. (D&HE) | 2 | 4 | 6 |
| 3. | MBA (ITLM) | - | 4 | 4 |
| Grand Total | | 06 | 24 | 30 |

i. Co-curricular and Extra-curricular Activities of Students - NIL**j. Papers submitted/presentation made by Students**

| # | Author | Title of the Paper | Conference/ Journal Title |
|---|---|--|---|
| 1 | Garima Sharma, Dr. KM Sivakhoundu and Dr KVKRK Patnaik | Long term morphodynamic modeling of Kakinada Bay using Upscaling methods | Marine Engineers Review (India). Vol.14, No.7, June 2020. pp 8-13 |
| 2 | Surendra Talari, P.Sirisha, D. Sateesh Kumar, K.L. Sowmya & K. Divakara Rao | Silver-Pohilg Hellman Algorithm Implemented To Discrete Log With Arya Bhatta Remainder Theorem | Jour of Adv Research in Dynamical & Control Systems. Vol. 12, Issue-06, June 2020. pp 1566-1571 |

| | | | |
|---|---|--|---|
| 3 | Garima Sharma, Dr. KVKKR Patnaik | Study on the Wave Diffraction Patterns in the Kakinada Bay | Journal of Offshore Structure and Technology. Vol. 7, Issue 3, 2020. pp 6-15 |
| 4 | Surendra Talari, P. Sirisha, D. Sateesh Kumar, K.L. Sowmya & K. Divakara Rao, | An Improved Cipher based automatic theorem proving technique for encryption and decryption | Advances in Mathematics: Scientific Journal. Vol. 9, No.5, 2020. pp 3121–3134 |
| 5 | Garima Sharma | Approaches to Decarbonising Shipping: LNG is the alternative to HFO | Marine Engineers Review (India). Oct. 2020 |
| 6 | Garima Sharma, Dr. KVKKR Patnaik | Assessment of Coringa Mangrove shoreline migration using geospatial techniques | Journal of Operational Oceanography. Nov 2020 |

k. Papers submitted / presentations made by Faculty / Staff

| # | Author | Title of the Paper | Conference/ Journal Title |
|---|--|--|--|
| 1 | Dr. N. Ravichandran | Millennial Work Force: Opportunities and Challenges | International Journal of Science and Research (IJSR). Vol. 9, Issue 6, June 2020. |
| 2 | Surendra Talari, P. Sirisha, D. Sateesh Kumar, K.L. Sowmya & K. Divakara Rao | Silver-Pohilg Hellman Algorithm Implemented To Discrete Log With Arya Bhatta Remainder Theorem | Journal of Adv Research in Dynamical & Control Systems. Vol. 12, Issue-06, June 2020. pp 1566-1571 |
| 3 | Surendra Talari, P. Sirisha, D. Sateesh Kumar, K.L. Sowmya & K. Divakara Rao | An Improved Cipher based automatic theorem proving technique for encryption and decryption | Advances in Mathematics: Scientific Journal. Vol. 9, No.5, 2020. pp 3121–3134 |
| 4 | Garima Sharma, Dr. KM Sivakhoundu and Dr KVKKR Patnaik | Long term morphodynamic modeling of Kakinada Bay using Upscaling methods | Marine Engineers Review (India). Vol.14, No.7, June 2020. pp 8-13 |
| 5 | GVV Pavan Kumar | Machinery Radiated Underwater Noise | Journal of the Institute of Marine Engineers (INDIA). Vol. 14, Issue 6. pp 23-28. ISSN: 2250-1967. |

| | | | |
|----|---|--|---|
| 6 | Dr. S. Padmashree and Dr. Cahgari, Sasikala Professor | A Selective Review of Scholarly Communication on Library Networks and Networking of Libraries. | Library Philosophy and Practice (e-journal), August 2020. |
| 7 | Dr. N. Ravichandran | Gandhi and social work – an eye opener to the society | Gandhian Principles & Practices: It's Relevance Today. Gandhian Studies Center; Published by Prudhvi Publishers, Visakhapatnam. pp 82-95. ISBN: 978-93-881061-3-9 |
| 8 | Garima Sharma, Dr. KVKRK Patnaik | Study on the Wave Diffraction Patterns in the Kakinada Bay | Journal of Offshore Structure and Technology. Vol. 7, Issue 3, 2020. p 6-15 |
| 9 | GVV Pavan Kumar, P. Prasanna Kumar & V.V.S. Prasad | Assessing Underwater Noise Levels during Various Port Activities at the Visakhapatnam Channel. | Journal of Offshore Structure and Technology. Vol. 7, No. 3, 2020. pp 16–29. ISSN: 2349-8986 |
| 10 | GVV Pavan Kumar, V.V.S. Prasad & U.S. Ramesh | Silence in the Indian Waters due to reduction in shipping traffic during COVID 19 lockdown | Lambert Academic Publishing, 2020. pp 285-306. ISBN: 978-620-0-29530-9. |
| 11 | Garima Sharma, Dr. KVKRK Patnaik | Assessment of Coringa Mangrove shoreline migration using geo-spatial techniques | Journal of Operational Oceanography. Nov 2020 |

I. Distinguished Visitors to the Campus

| # | Name of the Visitor | Date of Visit | Purpose of Visit |
|---|--|---------------|------------------|
| 1 | Capt. SriDharma Sastha, Port Officer, AP Ports, Govt of Andhra Pradesh | 23.06.2020 | Project MoU |
| 2 | Kamada Ramesh, Chief Surveyor, Andhra Pradesh Maritime Board Kakinda | 23.06.2020 | Project MoU |

m. Campus Placements

| # | Name of the Program | Students Details | | |
|--------------------|---------------------------------------|------------------|-----------|------------|
| | | Total | Placed | % Placed |
| 1. | B.Tech. (NA&OE) & M.Tech. (NA &OE) | 65 | 7 * | 11% |
| 2. | M.Tech. (D&HE) | 5 | 2 | 40% |
| 3. | M.B.A (IT&LM) | 28 | 22 | 79% |
| Grand Total | | 98 | 31 | 32% |

*Campus Placements are still in progress

n. Events held in the Campus

- (i) Independence Day celebrated on 15.08.2020, The Campus Director hoisted the flag
- (ii) Constitution Day celebrated on 26th November by reading out the preamble by all the employees.
- (iii) Pledge on Swachhata Bharat was made on 16.09.2020
- (iv) Distribution of Dustbins for Swachh Bharat activity on 18.09.2020
- (v) Tree Plantation was made in campus under Swachh Bharat Abhiyan
- (vi) Competition and prize distribution was held under Swachh Bharat Abhiyan
- (vii) Swachhata Pakhwada Valedictory function was held on 30.09.2020
- (viii) Awareness, training and live demonstration on fire disaster management held on December 18, 2020.
- (ix) Republic Day celebrations were organized on 26.01.2020
- (x) Online Session of Maritime India Summit 2021 attended by all the employee at the seminar Hall on March 02, 2021.

(xi) List of Webinars organized by IMUV Campus Library

| # | Date | Topic | Speaker | Audience |
|---|------------|---|--|-------------------------------------|
| 1 | 22.06.2020 | Design Principles of Ships and Marine Structures: An Author's Perspective | Prof. S.C. Misra Ex-Professor, IIT Kharagpur & Ex-Director, Indian Maritime University, Visakhapatnam Campus | Students, Faculty & Staff of IMU |
| 2 | 30.06.2020 | Reading Habit in the World of Digital Distraction | Amrut Deshmukh, Social Entrepreneur, Mumbai | Students, Faculty & Staff of IMU |
| 3 | 16.07.2020 | Research Metrix | Dr.G. Rathinasabapathy University Librarian & CCPI, NAHEP (IG) on NKMC4AER Tamil Nadu Veterinary and Animal Sciences University President, Tamil Nadu Library Association Secretary, Madras Library Network (MALIBNET) Editor-in-Chief, Indian Journal of Agricultural Libraries & Information Services (IJALIS) | Students, Faculty & Staff of IMU |

o. Photos



Swachh Bharat Abhiyan Pledge on September 16, 2020



Swachh Bharat Abhiyan by IMUV Campus employees on September 18, 2020



Valedictory of Swachh Bharat Abhiyan on October 5, 2020



Swachh Bharat Abhiyan Tree Plantation by Campus Director on October 21, 2020



Awareness & training on fire disaster December 18, 2020



Awareness & training on fire disaster - December 18, 2020



Awareness & training on fire disaster - December 18, 2020



Inauguration of Hindi Cell - December 21, 2020



Flag hoisting by Campus Director on Republic Day - January 26, 2021



IMUVC Director with Capt. Sri Dharma Sastha, Port officer, APMB & Kamada Ramesh, Chief Surveyor, APMB on 23.06.2020



IMU Visakhapatnam New Campus



IMU Visakhapatnam New Campus



INDIAN MARITIME UNIVERSITY

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