



**CAREER GUIDANCE PREPARED FOR
Mr Varun S Bharadwaj**



Career Goal

Marine Biology

Prepared by

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Prepared for

Master Varun S Bharadwaj



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INDIAN MARITIME UNIVERSITY

(A Central University, Government of India)



The Indian Maritime University (IMU) was established as a teaching-cum-affiliating university under the aegis of the Ministry of Shipping, Government of India, with Chennai as headquarters. There were 7 renowned legacy Teaching or Research institutes and 1 Training Ship under the Ministry of Shipping, Government of India.



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I WANT TO BECOME

1. Marine Biology & Oceanography
2. Marine Biotechnology
3. Marine Electrical & Electronic Engineering
4. Marine Engineering
5. Marine Food Technology
6. Marine Microbiology
7. Marine Science



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WHAT I WANT TO CLEAR?

Online Common Entrance Tests (CET) for Admissions

All admissions to the various UG (except BBA), PG and Research Programmes of the IMU and its Affiliated Institutes

All-India Online Common Entrance session between 11am and 2 pm.

Candidates will be required to qualify this CET in order to be eligible for admissions to the respective Programmes.

The following CETs will be held for respective Programmes:

CET for UG Programmes

- B.Tech (Marine Engineering)
- B.Tech (Naval Architecture & Ocean Engineering)

CET for PG Programmes

- M.Tech (Marine Engineering and Management)



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ELIGIBILITY

Others: 10+2 or equivalent (PCM-60% average and minimum of 50% marks in English subject in 10th or 12th Examination.)

PHYSICAL FITNESS & EYE SIGHT CERTIFICATE

Candidates seeking admission to the following 4 Marine Programmes:

- (i) DNS**
- (ii) B.Sc (Nautical Science)**
- (iii) B.Tech (Marine Engineering)**
- (iv) PGDME**

must be physically fit and should meet the medical requirements as specified by Director General of Shipping, Mumbai and are required to produce certificate of medical fitness from a Doctor approved by Director General of Shipping.



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EYE SIGHT For the above 4 Marine Programmes, the Eye Sight requirements are specified by the Directorate General of Shipping. All the candidates must meet these requirements and will have to produce certificate of eye sight from a Doctor approved by Director General of Shipping.



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The Syllabus for the various CETs will be as follows:

- a) **Common Online CET for all UG Programmes [except BBA programme]**
 - i. No. of Questions – 200 multiple choice questions.
 - ii. Syllabus - English, General Aptitude, Physics, Chemistry, Mathematics at Plus 2 level.

- b) **Common Online CET for the MBA (Port and Shipping Management), MBA (International Transportation and Logistics) and the M.Sc (Commercial Shipping and Logistics) Programmes**
 - i. No. of Questions – 120 multiple choice questions.
 - ii. Syllabus - Quantitative ability, Data interpretation, Verbal ability and Logical reasoning.

- c) **Common Online CET for M.Tech (Marine Engineering and Management), M.Tech (Naval Architecture and Ocean Engineering) and M.Tech (Dredging and Harbour Engineering) Programmes**
 - i. No. of Questions – 120 multiple choice questions.
 - ii. Syllabus – English, Mathematics and one of Mechanical Engineering/Naval Architecture/Marine Engineering/Civil Engineering.

There will be no negative marking for wrong answers.



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I WANT TO PURSUE?

The following programmes are offered by the Indian Maritime University at its own Campuses and/or Affiliated Institutes:

Undergraduate programmes

- 4-Year B.Tech (Marine Engineering)
Unmarried Candidate, Need Passport, Clear Physical Fitness
- 4-Year B.Tech (Naval Architecture & Ocean Engineering)
- 3-Year B.Sc (Nautical Science)
Unmarried Candidate, Need Passport, Clear Physical Fitness

Postgraduate programmes

- 2-Year M.Tech (Marine Engineering & Management)

Postgraduate Diploma Programme

- 1-Year Post Graduate Diploma in Marine Engineering (PGDME) (Admissions for this Programme are done in the month of January every year).



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Research Programmes

- Ph.D and M.S (by Research)

Other courses from Affiliated Colleges

B.E., Marine Electrical & Electronic Engineering
B.E., Marine Engineering
B.Tech Marine Engineering
B.Tech., Marine Food Technology
M.Sc., Marine Biology & Oceanography
M.Sc., Marine Biotechnology
M.Sc., Marine Food Technology
M.Sc., Marine Microbiology
M.Sc., Marine Science



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WHERE I CAN STUDY?

- The Training Ship Chanakya, Mumbai
- The Lal Bahadur Shastri College of Advanced Maritime Studies & Research, Mumbai
- Indian Maritime University in Mumbai
- Indian Maritime University in Kolkatta
- The Marine Engineering Research Institute, Kolkatta
- Indian Maritime University in Visakhapatnam
- Indian Maritime University in Chennai
- Indian Maritime University in Kochi
- Maharashtra Academy of Naval Education and Training (MANET), Pune

OTHER STATE & CENTRAL GOVT INSTITUTIONS

- Central Institute of Fisheries Nautical And Engineering Training
- Central Institute of Brackishwater Aquaculture
- National Institute of Ocean Technology
- Central Institute of Fisheries Education
- Central Institute of Fisheries, Nautical and Engineering Training (CIFNET)
- Central Institute of Freshwater Aquaculture
- National Institute of Oceanography (NIO)
- National Institute of Ocean Technology



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WHERE I CAN WORK?

Take you from Campus (Only from University)

OPPORTUNITY

- Nationally
- Globally



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PREPARATION, what we are doing @ SANGFORD

Participate CAPSTONE STD-1 to STD-12

- IMO - International Math Olympiad Exam
- IEO - International English Olympiad Exam
- NSO — National Science Olympiad Exam

Participate CAPSTONE STD-6 to STD-12

- NTSE Exam at 10th Std

Participate CAPSTONE STD-11, STD-12

- Sangford CUCET Preparation 11th
- Sangford CUCET Preparation 12th
- Sangford other test papers
 - a) English Language
 - b) Current Affairs, including General Knowledge
 - c) Legal Reasoning
 - d) Logical Reasoning
 - e) Quantitative Techniques

Please see all the sample question papers



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SUGGESTION TO PARENTS/STUDENT

Please refer CBSE Scheme of Study

- Choose at 11th, Group –L: English
- Choose at 11th, Group –A: Physics, Chemistry, Mathematics (Don't focus any other subjects)
- Choose at 11th, Group –S: Information Technology
- Sangford supportive Deep/Depth curriculum Chapter test.



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ANNAMALAI UNIVERSITY

https://annamalaiuniversity.ac.in/T00_info.php?fc=T00

The Centre of Advanced Study (CAS) in Marine Biology is a reputed Marine Institute in India which is actively engaged in teaching, research and extension activities in Marine Sciences.

Programmes Offered

- Bachelor of Fisheries Science (B.F.Sc.)
- M.Sc.Ocean Science & Technology (Five Year Integrated Programme)
- M.Sc. Marine Biology & Oceanography (Two Year Programme)
- M.Sc.Coastal Aquaculture (Two Year Programme)
- M.Sc. Marine Microbiology (Two Year Programme)
- M.Sc. Marine Biotechnology (Two Year Programme)
- M.Phil. Marine Biology & Oceanography
- M.Phil. Coastal Aquaculture
- M.Phil. Marine Microbiology
- M.Phil. Marine Biotechnology
- M.Phil. Ocean Science & Technology
- Ph.D. Marine Biology & Oceanography
- Ph.D. Coastal Aquaculture
- Ph.D. Marine Microbiology
- Ph.D. Marine Biotechnology
- Ph.D. Ocean Science & Technology



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MADURAI KAMARAJ UNIVERSITY

M.Sc. Marine Biology

Selection: Entrance Exam

SOUTH ASIAN UNIVERSITY (SAU) is an International University sponsored by the eight Member States of the South Asian Association for Regional Cooperation (SAARC).

M.Sc. Biotechnology

Selection: Entrance Exam

INDIAN INSTITUTES OF SCIENCE EDUCATION & RESEARCH

Berhampur, Bhopal, Kolkata, Mohali, Pune, Thiruvananthapuram, Tirupati (Autonomous Institutions under MHRD, Govt. of India)

BS and BS-MS Dual Degree Program Five-year dual degree program for science students

Biological Sciences (5 years and 4 Years)

Selection: JEE Advanced & KVPY Entrance Exam



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Biotechnology, Bio-Informatics, Bio-Science, Bio-Statistics, Study Abroad information are not included in this preparation.

You can refer your friends and relatives for any courses in India and Abroad