



— University of Mumbai —



# CENTRE FOR EXCELLENCE IN MARITIME STUDIES

MASTER OF COMMERCE  
MARITIME STUDIES

# CEMAS

## Welcome to CEMAS

Being in the vanguard of matters maritime, it is befitting of the University of Mumbai to start a Centre of Excellence in Maritime Studies (CEMAS) dedicated to Maritime Studies. Through this unique Centre, the University is embarking towards bolstering higher education and research in maritime studies. The Centre is expected to have a broad based and interdisciplinary focus, taking cognizance of the borderless realms of marine and maritime studies, which will cover the entire gambit of Maritime Laws, Trade, Commerce, Logistics, Science and Technology. CEMAS will be offering PG Diploma, Masters and PhD programmes in Maritime Studies, with innovative approaches to curriculum development and delivery.

## About us

CEMAS will be offering PG Diploma, Masters and PhD programmes in Maritime Studies, with innovative approaches to curriculum development and delivery. The Centre is expected to attract both Indian and foreign students in this domain. CEMAS will provide a stimulating intellectual climate for academics and policymakers working on topics related to coasts and seas. It will be all encompassing covering a broad spectrum of courses and focus on social science, science, technology, law, trade and commerce. Working through a blended mode of Teaching and Learning, CEMAS will synergise an ecosystem for higher education and research in maritime Studies.

## Preamble

- Introduce research activities like Doctoral research and other programmes/ courses, such as Masters, PG Diploma and Certificate Courses, with focus on Maritime Studies
- Through this unique Centre, the University is embarking towards bolstering higher education and research in maritime studies.
- The Centre is expected to have an interdisciplinary focus, taking cognizance of the borderless realms of marine and maritime studies.
- Centre will have collaboration with National Institute of Oceanography (NIO), Goa.
- Centre will collaborate with other premium national and international organizations and institutes in the domain of marine and maritime E.g. Indian Maritime University, Mumbai Port Campus etc.
- The Centre will function in close cooperation with Naval War College (NWC), Goa, an affiliated HEI with the University of Mumbai, as its Knowledge Partner.
- The Centre will navigate itself to achieve excellence in both, academics and research in the myriad of areas, which are under the umbrella of Maritime Studies.
- CEMAS will provide a stimulating intellectual climate for academics and policymakers working on topics related to coasts and seas. It will be all encompassing with radius covering broad spectrum of courses and focus on covering social sciences, sciences, law and commerce.



## Goals of CEMAS

- Aid in organising maritime heritage educational tours for Indian and international tourists, particularly school/ college students
- Aim to collaborate with various Indian organisations for advancement of research and value-added courses and workshops
- Connect with other national and international Universities with established maritime research centres/ departments to draw on their research and technological strengths
- Connect at the international level, particularly with India's diaspora communities
- Introduce research activities like Doctoral research and other programmes/ courses, such as Masters, PG Diploma and Certificate Courses, with focus on Maritime Studies
- Offer programmes and courses with curricula that will have inter-disciplinary and multi-disciplinary approaches
- Academic and research cooperation with National Institute of oceanography, Goa , other national maritime and marine premier research organisations and knowledge partnership with Naval War College, Goa,



## DIRECTOR'S DESK

We welcome graduates on board CEMAS. Let's sail on the journey of Higher Education in "Maritime Studies"

Under the visionary leadership of Hon'ble Vice Chancellor Prof. Suhas Pednekar and the direction of Hon'ble Pro Vice Chancellor Prof. Ravindra Kulkarni the Centre of Excellence in Maritime Studies (CEMAS) was established in 2021. This centre was inaugurated in the virtual mode by Hon'ble Shri Bhagat Singh Koshyari, Governor of Maharashtra on 8th February 2021. Guests of Honour at the event were Dr. Shekhar Mande, Director General, Council for Scientific and Industrial Research (CSIR) and Chief of Navy, Admiral Karambir Singh. Through this unique Centre, the University is embarking towards bolstering higher education and research in maritime studies. The Centre has an interdisciplinary focus, taking cognizance of the borderless realms of marine and maritime studies. This would, in turn, develop and expand maritime consciousness and perspective, which is an essential component for the national growth and development.

CEMAS is offering Apprenticeship embedded PG Diploma in Maritime Logistics, Masters programmes in M.A. (Maritime Studies), M.Sc. (Maritime Studies) and M.Com. (Maritime Studies). PhD programme (maritime Studies) will be initiated in the future course. The programmes are attributed with innovative approaches to curriculum development and delivery. Curriculum delivery will work on blended mode of Teaching and Learning, leveraging on the resource pools and expertise that are both, on site and off site for academics and research. This will help the centre to adapt to the very principles that are enshrined in the new National Education Policy (NEP) 2020. The Centre is expected to attract both Indian and foreign students in this domain.

CEMAS will have a broad based multi-disciplinary focus and will take cognizance of marine and maritime studies to cover the gamut of Maritime History, Security, Laws, Trade, Commerce, Logistics, Science and Technology. Centre will collaborate with other premium national and international organizations and institutes in the domain of marine and maritime to leverage on their strengths. The centre therefore, through the University of Mumbai will help develop maritime consciousness, boost higher education and



### **Dr. Anuradha Majumdar**

Dean, Faculty of Science and Technology  
I/C Director, Centre of Excellence in Maritime  
Studies (CEMAS)

recognize the centrality of Mumbai in national maritime growth.

CEMAS through its myriad courses will inculcate and develop the ability of the student to analyse problems, conduct research and propose solutions while making sound professional judgments with the help of well-read and readily available human resources to meet the challenges of understanding, developing and conserving a benevolent marine ecosystem. As a student of CEMAS, the individual will benefit from this expertise and receive an education that is both, relevant and career enhancing in the existing and futuristic job scenarios. The endeavour of CEMAS programmes is to meet the students' career aspirations and employment opportunities, nationally and internationally,

with emphasis on practical expertise application and specialization.

CEMAS will offer first respondent response to the direct needs of the maritime industry by virtue of it being in consonance with industry relevant curriculum development, focus on skill set acquisition and a high job readiness quotient of its students post programme completion. The experiential learning offered by CEMAS makes its programmes unique and distinguishes CEMAS from other university studies. The centre has a panel of eminent and renowned members in the Board of Management and an eminent body of advisors from Navy, Mercantile Shipping and Commerce, Maritime Strategy, Maritime Law,

Maritime History, Maritime and Marine Science and Technology to provide robust direction and pertinent mentoring. The programmes offered by the centre are to be initiated from the academic year 2021-22.

CEMAS has in its fold Sindhu Swadhyay Sanstha (SSS) that was established on September, 5th 2015. Sindhu Swadhyay Sanstha offers 2 years master's degree programme in Zoology with specialization in Oceanography and Fishery Technology. Since its inception SSS is working diligently to accomplish its mission of achieving academic excellence and providing research and entrepreneurship opportunities to the young aspirants.

# CEMAS GOVERNANCE



## Centre for Excellence in Maritime Studies



**I/c Director: Dr. Anuradha Majumdar,**

Dean, faculty of Science and Technology, University of Mumbai

**I/c Deputy Director: Dr. Varsha Kelkar Mane,**

HoD, Department of Biotechnology

### **CEMAS Advisory Body – Composition.**

**(a) Vice Admiral Abhay R Karve (Retd),**

Patron Maritime History Society, Mumbai, and former Flag Officer Commanding-in-Chief Southern Naval Command - Chairperson

**(b) Professor Bimal N. Patel,**

Hon'ble Vice-Chancellor, Rashtriya Raksha University, Gandhinagar, and former Director, Gujarat National Law University

**(c) Professor Shrikant Paranjpe,**

Dept. of Defence & Strategic Studies, University of Pune

**(d) Professor Vasant Shinde,**

Director General, Maritime Heritage Complex, Gandhinagar, and former Vice-Chancellor of Deccan College, Pune

**(e) Dr. Malini V Shankar,**

Hon'ble Vice Chancellor Indian Maritime University, Chennai, and former Director General Shipping, Mumbai

**(f) Rear Admiral SY Shrikhande (Retd),**

Adjunct Faculty, Naval War College, Goa

**(g) Captain Kapil Dev Behl,**

Master Mariner, Past President, Nautical Institute of India, Western Chapter

**(h) Mrs. Asha Sheth,**

Chairman, Vasant J Sheth Memorial Foundation, Nariman Point, Mumbai

**(i) Mrs. Pheroza Godrej,**

Godrej and Boyce, Vikroli, Mumbai

**(j) Prof. Sunil Kumar Singh,**

Director, CSIR-National Institute of Oceanography, Goa

**(k) Dr. Prasanna Kumar,**

Former Director and Emeritus Scientist, National Institute of Oceanography, Goa.

**(l) Dr. Satheesh Sheno,**

Former Director, Indian National Centre for Ocean Information Service, Ministry of External Affairs, Government of India

**(m) Ms. Sulagna Chattopadhyay,**

Founder-Editor, Geography and You, New Delhi

**CEMAS Board of Management (BoM) – Composition.**

**(a) Professor Suhas Pednekar,**

Hon'ble Vice Chancellor, University of Mumbai - Chairperson

**(b) Professor RD Kulkarni,**

Hon'ble Pro-VC, University of Mumbai – Special Invitee.

**(c) Vice Admiral Sanjay Jasjit Singh,**

AVSM, NM, Indian Navy - Member.

**(d) Commodore Srikant B Kesnur,**

Officer-in-Charge Naval History Project and Director Maritime Warfare Centre, Mumbai – Member

**(e) Dr. Anuradha Majumdar,**

Dean Science & Technology & I/c Director CEMAS, University of Mumbai – Member Secretary

# Master of Commerce (Maritime Studies)

## About the Programme

The proposed interdisciplinary, industry relevant curriculum of M.Com. (Maritime Studies) is following choice based credit system. The programme will provide quality education in subjects related to growth and development in the national maritime sector, observe an interdisciplinary approach across humanities, law, commerce, management, science and technology to empower students with knowledge, focus and critical thinking skills to address maritime challenges and harness the seas in an inclusive, integrated and holistic manner, now and in the future.

The syllabus of these courses are designed to be dynamic and contemporary that will aid concept learning to synergize field work, research with data analysis in both the mini and major project in semester II and IV, respectively. Learner will have to undertake book review assignment in semester I as a prelude to the mini project of semester II. Similarly, learner will undertake the second book review in semester III as a literature survey ground work for the project and dissertation of semester IV. Learners are expected to undertake case study, field work or laboratory experimentation to address contemporary problems and challenges associated with marine and maritime commerce, trade and blue economy. Learners will be encouraged to select projects related to regional and country relevant topics addressing current challenges, problems and provide analyses, find relevant new knowledge and solutions. Learners will be encouraged to select interdisciplinary projects. This will help learners to attain hands-on skills and experiential learning.

The book reviews, mini term project and major project with dissertation will enable experiential learning through literature survey, case studies, field work, data collection, data analysis and laboratory experimentations. This programme will educate, train and groom graduates that are not only Industry ready but are also attuned to take on further higher education in research. The programme aims to create empowered human resource to function in the maritime and allied Industry which is expected to witness an upward trajectory with the recent government policies and schemes in this sector. The USP of the programme is that the curriculum has been made comprising inter disciplinary subjects from Humanities, Science and Commerce in addition to core domain subjects of maritime commerce, synergizing and blending learning and training of core and elective subjects. The programme can be executed in blended mode of teaching and learning.

## Programme Objectives

- (a) To develop the interest and broaden the understanding of Maritime Industry.
- (b) To enhance the understanding of various functions and components of Maritime Commerce including the legal aspects of the industry.
- (c) To impart Industry-need based knowledge of Maritime Commerce to enable implementation at work.
- (d) To enable students, relate to the vast scope of Maritime Economy.
- (e) To acquaint the learner about the various aspects of scope of growth of Maritime Industry.
- (f) To provide a perfect blend of classical as well as modern aspects Maritime Trade to help students evaluate the progress.
- (g) To help students to acquire skills in collection of data and analyze same for creation of designs and further development of the Maritime Industry.



## Course Structure

Semester I				
Paper 1	Paper 2	Paper 3	Elective 1	Elective 2
Overview of Maritime History Security and Laws	Introduction to Maritime Sciences – Oceanography, Meteorology, Climatology and Ocean Chemistry	Research Methodology	Logistics and Ware Housing	Sustainable Maritime Transport
Semester II				
Paper 1	Paper 2	Paper 3	Elective 1	Elective 2
Overview of International Maritime Trade	Maritime Economy Part I	Maritime Transport	Maritime Infrastructure Management	Maritime EXIM Operations
Semester III				
Paper 1	Paper 2	Paper 3	Elective 1	Elective 2
Maritime Finance	Maritime Economy Part II	Advanced Maritime Trade	Commercial Ship Management	Vessel Technical Management
Semester IV				
Submission of Dissertation on research topic followed by Viva-Voce (24 Credits)				

## Eligibility Criteria

- (a) B.Com degree from any UGC recognized University.
- (b) B.Sc degree from UGC recognized University, (Physics, Chemistry, Mathematics, Statistics and any other allied subjects)
- (c) B.E. degree from UGC/AICTE recognized University
- (d) B.Tech degree from UGC/AICTE recognized University
- (e) Or Equivalent Qualification
- (f) Candidates must have secured minimum 50% marks at bachelor's degree. Examination and as per rules of University of Mumbai and Govt. of Maharashtra.
- (g) Foreign candidates should have equivalent degrees from foreign Universities recognized by Association of Indian Universities (AIU).
- (h) Selection of candidates can be made on the basis of merit and personal interview/Written Aptitude Test (WAT).

**Intake Capacity: 20 seats**



## Documents Required

<b>OPEN CATEGORY</b>	<ul style="list-style-type: none"><li>• SSC Marksheet</li><li>• HSC Marksheet</li><li>• Semester Marksheets of Graduation Programme (Final Year Marksheet covering all semesters)</li></ul>
<b>RESERVED CATEGORY</b>	<ul style="list-style-type: none"><li>• SSC Marksheet</li><li>• HSC Marksheet</li><li>• Semester Marksheets of Graduation Programme (Final Year Marksheet covering all semesters)</li><li>• Non-Creamy Layer Certificate (for other than SC / ST).</li><li>• Income Certificate from the District Collector.</li></ul>


## Contact Us

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