



**KERALA UNIVERSITY OF FISHERIES AND OCEAN STUDIES
(KUFOS)**

**P.G, Ph.D. and P.D.F. Programmes
PROSPECTUS 2021-22**

Panangad, Kochi - 682506
Kerala, India
www.kufos.ac.in



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Important Dates to Remember

Sl.No.	Event	Date	
For Indian Students			
		Post graduate programmes	Ph.D programmes
1	Date of notification	09 April 2021	09 April 2021
2	Last date of online application	07 May 2021	21 July 2021
3	Date of entrance examination	19 June 2021	02 August 2021
4	Declaration of the result	30 June 2021	10 August 2021
5	Date of GD and interview for MBA	1st – 2nd July 2021	-----
6	Date of admission for PG programme / Interview and admission for Ph. D./PDF programme	5th – 6th July 2021	16th – 18th August 2021
7	Start of academic programme	02 August 2021	23 August 2021

For International Students

1	Date of notification	09 April 2021	09 April 2021
2	Last date of application	30 June 2021	10 August 2021
3	Date of admission	02 August 2021	23 August 2021



INTRODUCTION

The Kerala University of Fisheries and Ocean Studies (KUFOS) was established in 2010 by an Act of Kerala Legislative Assembly (Act 5 of 2011) with the main objective of imparting education in different branches of Fisheries and Ocean Science. Recently, Government of Kerala has promulgated Ordinance 46 of 2021 amending KUFOS Act 2010 (Act 5 of 2011) w.e.f. 25.02.2021. The University offers Under Graduate (UG), Post Graduate (PG) and Ph.D. programmes. The University also offers Post Doctorate Fellowship (PDF) programmes various Diploma, PG Diploma and Certificate programmes. Admission to the Under Graduate (UG) programmes; Bachelor of Fisheries Science (B.F.Sc.) and Bachelor of Technology (B.Tech.) in Food Technology is done by the Commissioner for Entrance Examinations (CEE), Kerala State through Kerala Engineering, Architecture and Medical courses (KEAM) entrance examination. Admission to Post Graduate and Ph. D. programmes are through Common Entrance Examinations conducted by KUFOS. Procedure for students admitted through ICAR quota are given separately (<https://icar.nta.nic.in>). Foreign students/ Person of Indian Origin has separate admission procedure. The courses are offered in the University under the following faculty:

- i. Faculty of Fisheries Science
- ii. Faculty of Ocean Science and Technology
- iii. Faculty of Fisheries Management
- iv. Faculty of Fisheries Engineering



OFFICERS OF THE UNIVERSITY

Chancellor	Sri. Arif Mohammed Khan Hon'ble Governor of Kerala	Raj Bhavan Kerala, Thiruvananthapuram 0471-2721100, Fax: 0471 -2720266
Pro Chancellor	Smt. J. Mercykutty Amma. Hon'ble Minister for Fisheries, Harbour Engineering and Cashew Industries, Govt. of Kerala	0471-2333526, 0471-2327495 Fax: 0471-2323144
Vice Chancellor	Prof. (Dr.) K. Riji John	0484-2703781(Direct) Fax:0484-2700337 vc@kufos.ac.in
Registrar i/c RTI Appellate Authority	Dr. B. Manojkumar	0484-2703782 Fax: 0484-2703782 registrar@kufos.ac.in
Finance Officer	Sri. Joby George P.	0484-2701095, 9847137480 Fax: 0484 2701095 fo@kufos.ac.in
Controller of Examinations i/c	Prof. (Dr.) Subhash Chandran K.P.	9447603747 ce@kufos.ac.in
Director of Research i/c & Dean, Faculty of Fisheries Science	Prof. (Dr.) Devika Pillai	0484-2703782 dr@kufos.ac.in deanfisheries@kufos.ac.in
Director of Extension i/c	Prof. (Dr.) Daisy C. Kappen	9446353013 daisycappen@yahoo.in
Dean, Faculty of Ocean Science & Technology	Prof. (Dr.) S. Suresh Kumar	9447508065 sost@ kufos.ac.in
Dean, Faculty of Fisheries Engineering	Dr. C. D Suriyakala	8281326577 dr_soeut@kufos.ac.in



Dean, Faculty of Fisheries Management	Prof. (Dr.) V.Ambilikumar	9447496544 ambilikumar@gmail.com
University Engineer	Mr. N.K Muhammed Koya	9447370169 engg@kufos.ac.in
Director of Planning and Development	Dr. Susamma A.P.	9495936092 dr_plan@kufos.ac.in
Director, Public Relation and Publications	Shri. Raju E Raphael	9400325349 dprp@kufos.ac.in

Admission core committee 2021 for PG & Ph. D.

Dr. K Ranjeet	Associate Professor & HoD, AEM	Chairman
Sri. P. J. Cleetus	Deputy Registrar (Acad/Exams)	Convener
Dr. M.K Sajeewan	Associate Professor & HoD, FRM	Member
Dr. Maya Raman	Associate Professor	Member
Dr. Safeena, M. P.	Assistant Professor	Member
Dr. Abhish B.	Assistant Professor	Member
Dr. E. M. Afsal	Associate Professor	Member
Sri. T.K. Deleep	Assistant Registrar	Member
Smt. Elizabeth L. Edward.	Assistant Registrar	Member
Sri.Vijay Shine K. V.	Assistant Registrar	Member
Sri.Vinod Xavier	Computer Programmer	Member



COURSES OFFERED

The details of P.G./Ph.D./P.D.F./U.G./Diploma/ P.G. Diploma and Certificate programmes to be offered during the year 2021-22 (Detailed information on Annexure I)

I. Post Graduate Programmes

1. M.F.Sc.

- a) M.F.Sc. Aquaculture
- b) M.F.Sc. Aquatic Animal Health Management
- c) M.F.Sc. Aquatic Environment Management
- d) M.F.Sc. Fish Nutrition & Feed Technology
- e) M.F.Sc. Fish Processing Technology
- f) M.F.Sc. Fisheries Engineering & Technology
- g) M.F.Sc. Fisheries Resource Management
- h) M.F.Sc. Fisheries Extension

2. M.Sc. Programmes

- a) M.Sc. Applied Geology
- b) M.Sc. Biotechnology
- c) M.Sc. Climate Science
- d) M.Sc. Disaster Management
- e) M.Sc. Environmental Sciences
- f) M.Sc. Food Science & Technology
- g) M.Sc. Marine Biology
- h) M.Sc. Marine Chemistry
- i) M.Sc. Marine Microbiology
- j) M.Sc. Physical Oceanography
- k) M.Sc. Remote Sensing & GIS
- l) M.Sc. Statistics

3. M.B.A.

(Admission based on KMAT/CMAT/CAT and Group Discussion & Interview)

- a) MBA (Dual specialization in Finance/ Marketing/ Human Resource Management)

4. M. Tech.

- a) M. Tech Coastal and Harbour Engineering
- b) M. Tech Integrated Coastal Zone Management
- c) M. Tech Ocean and Coastal Safety Engineering



II. Ph.D. Programmes

Doctoral degree programmes leading to Ph.D. are being offered by the four Faculties.

- a) Faculty of Fisheries Science
- b) Faculty of Ocean Science & Technology
- c) Faculty of Fisheries Management
- d) Faculty of Fisheries Engineering

III. Post Doctoral Fellowship (PDF) Programmes (Applications will be invited separately)

Offered by the four faculties of the University.

- a) Faculty of Fisheries Science
- b) Faculty of Ocean Science & Technology
- c) Faculty of Fisheries Management
- d) Faculty of Fisheries Engineering.

IV. Under Graduate Programmes (Admitted through NEET/KEAM/ICAR)

- a) Bachelor of Fisheries Science (B.F.Sc.)
- b) Bachelor of Food Technology (B.Tech.- Food Technology)

V. Diploma Programme (Applications will be invited separately)

- a) Diploma in Brackish water and Marine Aquaculture

VI. P.G. Diploma Programmes (Applications will be invited separately)

- a) PG Diploma in Aquarium Science and Technology
- b) PG Diploma in Industrial Aquaculture
- c) PG Diploma in Maritime Law

VII. Certificate Programmes (Applications will be invited separately)

- a) Certificate programme on Computer Aided Designing and Drafting (CADD)
- b) Certification Programme on Entrepreneurship Development



GENERAL RULES

I. RESERVATION OF SEATS:

A) The reservation norms prescribed by the Government of Kerala will be applicable for admission to the courses. List of communities to be considered under the SC/ST category will be as per the list approved by the Govt. of Kerala. Percentages of reservation for eligible communities are furnished in Annexure III. For admission, SC/ST candidates will be given a relaxation of 5% marks in qualifying examination.

B) Economically Weaker Section (EWS) in General category in the state :10% seats of General category are reserved for the children of EWS category in all Under Graduate and Post Graduate programmes offered by KUFOS (Acad 1/2376/2020 dt. 16.10.2020).

C) Sports Quota: Reservation under Sports Quota is available for the PG programmes: A total number of 3 (three) supernumerary seats have been allocated under Sports quota for the entire PG programmes for this academic year subject to the ratification of Academic Council. At the time of admission, as per the requirement of the candidates, the seats shall be allocated to them based on their performance in International/National/Regional events. The candidate applying for sports quota should forward a copy of the confirmation page of on-line registration along with attested photocopies of sports merit certificates (highest achievements in each event) to the Secretary, Kerala Sports Council, Thiruvananthapuram or respective District Sports Councils. The Sports Council /District Council shall recommend the candidates according to their proficiency in sports, based on which they shall be allotted seats of their choice. No two candidates shall be allotted seats for the same course under Sports Quota.

The minimum achievement required for consideration is as follows: Representing the Educational District / Sports School / Sports Hostels in the Kerala State Schools Championship and winning third place. The Sports Council/ District Council shall forward the list along with the copy of the confirmation page of the students applications to KUFOS. In the case of



Management Programmes, C-MAT (AICTE)/K-MAT/ CAT (IIM) Kerala score will be added to the marks awarded by the Kerala Sports Council.

The merit list for each course would be prepared on the basis of inter-se merit of the candidate computed as above. At the time of preparation of the rank list under sports quota, if there is any tie in the total marks, it will be resolved by the same principle of resolution of tie for the preparation of CAT Rank list. The seats under sports quota will be filled up according to the rank from inter-se Merit List prepared for Sports. The sports quota rank list will not be considered for filling up other categories of seats such as general merit. Candidates who claim reservation under Sports Quota should produce, at the time of counseling, a certificate of eligibility for selection under this quota issued by the Kerala Sports Council/District Council, as per the guidelines published by them. The achievements in two financial years (1st April to 31st March) previous to the year of selection shall alone be considered. However, in the case of competitions which are not organized annually, the immediate previous competitions shall be deemed as held in the previous two financial years for the purpose of this selection.

D) Children of Ex-Servicemen (ESM): One seat is reserved under this category for children of Ex-servicemen in one PG programme other than M.F.Sc. and M.Tech. Every year the ESM seat is rotated among the courses in the alphabetical order. Based on the rotation of seat, during 2021-22 academic year, one supernumerary seat under ESM shall be provided to M.Sc. Environmental Science.

E) Lakshadweep Quota (LQ): From 2020-21 onwards, three supernumerary seats for PG courses has been set aside for students hailing from Lakshadweep. The students should register with the Lakshadweep Administration and only those students recommended by the Lakshadweep Authority shall be entitled for the seats. Two seats are reserved for M.F.Sc. and one seat for M.Sc. programme during each year (following rotation pattern). In the current academic year (2021-22) the seats are allotted to M.F.Sc. Fish Processing. Technology, M.F.Sc. Fisheries Resource Management and M.Sc. Food Science & Technology (Acad1/5444/2018 dt: 23.02.2021).

F) Physically Challenged (PHC): Certificate from the District Medical Board as stipulated under relevant rules of Government of Kerala in the matter is to be produced in original. The certificate produced should be either in Malayalam or in English and should specify the percentage of disability and should have been issued not earlier than 12 months prior to the date of counseling / GD / interview / admission, whichever is earlier. The percentage of disability shall not be an index for gaining eligibility / admission. Admission shall be based on merit of the candidates. If necessary, a medical board constituted by the University will examine individual cases prior to admission. The decision of the board will be final. 5% of seats of M.Sc. courses are reserved for the physically challenged candidates with at least 40% disability. The seats allotted to physically challenged candidates are supernumerary in nature.



G) Son/Daughter of defense killed/disabled/missing in action category: From 2018-19, one supernumerary seat for one PG course offered by KUFOS, is set aside for son/daughter of defense killed/disabled/missing in action category. Based on the rotation of seat, during 2021-22 academic year one supernumerary seat under this shall be provided to M.F. Sc. Aquatic Environment Management.

II. SPECIAL PRIVILEGE

A) Children of fishermen, Kashmiri migrants, foreign nationals, and sponsored candidates by Govt. Departments will be admitted to Post-graduate courses on supernumerary basis, if they fulfill required qualifications prescribed for the admission for the course.

Two seats in each Post-graduate programmes will be filled on supernumerary basis from Foreign/Person of Indian Origin (PIO)/Overseas Indian Citizen (OIC) and NRI candidates. Foreign/NRI students need not appear for the entrance examination conducted by KUFOS. The marks secured in the qualifying examinations or equivalent examination will be the criteria for admission for these candidates. Foreign students availing fellowship will be given priority for admission subject to the rules and regulations issued by the University/ Govt. of India from time to time. Priority will be given to the foreign students and in the absence of these candidates such seats will be awarded to eligible NRI candidates.

For children of Fishermen (COF), 20% of the total seats in each course are reserved as supernumerary seats.

One seat in each course is reserved as supernumerary seat for Kashmiri Migrants. Kashmiri Migrants shall have to give proof of them being a Kashmiri Migrant or a ward of Kashmiri Migrant along with the application form. The condition of domicile requirement for Kashmiri Migrants is waived off (Acad 1/9196/2020 dt.10.06.2020)

B) Non-Resident Indians (NRI): Eligibility and certificates are to be produced. Any Indian / Person of Indian Origin (PIO) / Overseas Citizen of India (OCI) can apply for NRI seats if he is otherwise eligible.

Sponsorship Certificates / Relationship Certificates are not required for applying under Non- resident Indians (NRI) quota.

Person of Indian Origin and Overseas Citizen of India applying for NRI seats should produce PIO/OCI cards issued by the Government of India at the time of Admission and/or Counseling and/or Interview and/or Group Discussion (Acad 1/7268/NRI/ 2017 dated 31.07.2018).

III. PENALTY FOR FALSE INFORMATION

Any candidate who is found to have willfully or otherwise given any particulars which are false or has suppressed material information or does not satisfy the



requisite qualification for admission shall be disqualified. They shall not be allowed to continue on the rolls of the University, if it is detected at any stage of his/her studentship in the University. In case the candidate has already passed out of the University, then the degree awarded by the University will be withdrawn.

IV. CHANGE OF DISCIPLINE

Requests for change of discipline will not be considered after the 15 working days from the date of commencement of the PG programme. The re-allotment of discipline will not be given to candidates who have been admitted for the PG programme and subsequently applied for the extension of joining time/temporary discontinuance.

Candidates will be considered for admission only if they qualify the entrance examination.

V. MARKS DISTRIBUTION

A maximum of 5 marks will be given for merit in arts/sports and games and the distribution will be as follows:

- a) Representing the Nation: 5 marks
- b) Representing the State: 3 marks
- c) Representing the University: 1 mark
- d) N.C.C. certificate holders-as per Govt. norms

VI. HOW TO APPLY

The University currently accepts only online application for its Post-graduate, Ph.D. and Diploma programmes. Students are directed to visit the KUFOS website 'www.kufos.ac.in' and follow the online application instructions provided. Candidates must register their name in the website, log in, submit application form online, pay fees, check status of application, download hall ticket for the entrance examination and check the status of their admission from this online application portal.

Foreign/Person of Indian Origin (PIO)/Overseas Indian Citizen (OIC) and NRI candidates can also apply through the online mode. Foreign/NRI students need not write the entrance examination of KUFOS.

VII. APPLICATION FEE

General category: Rs. 1100/- (Rupees One thousand and one hundred only) for a maximum of five programmes.



Kerala Scheduled Caste/Scheduled Tribe (native of Kerala only): Rs. 550/- (Rupees five hundred and fifty only) for a maximum of five programmes

Only those candidates who choose the option “NRI” under the head “Special Reservations”, while applying on-line has to remit the additional fee of Rs. 5500/- over and above the normal fee of Rs. 1100/- (Rs. 550/- in the case of SC/ST Candidates).

For admission to any academic programme offered by the University, students who are currently in the final semester/ year of the qualifying examination, can also apply. However, their admission will be provisional pending fulfillment of eligibility.

Number of programmes to be applied	Application fee in Rs.	
	General	SC/ST
1-5	1100	550
6-10	2200	1100
11-15	3300	1650

The application fee should be paid online through **SBI Collect**, the instructions for which are available in the KUFOS website. No other mode of payment will be accepted.

The last date for online application is **07 May 2021 and online payment should be made within next three days of submission of application.** Students need not send any hardcopy of application to the University. The candidate should take the print out of the application and produce the same along with proof of remittance of prescribed fee and copies of relevant documents, at the time of admission.

Application fee once remitted will not be refunded under any circumstances.

VIII. DOCUMENTS TO BE PRODUCED AT THE TIME OF ADMISSION

- Print out of the application
- Proof of remittance of prescribed fee
- Certificates of age, qualifications, mark list of Plus Two and qualifying examination, experience, sports activities and N.C.C.
- Community Certificate obtained from a Revenue Officer not below the rank of Village Officer in the case of SC/ST candidates.
- For other eligible communities, non creamy layer certificate issued by competent authority.



- f) No Objection Certificate and experience certificate obtained from the controlling officer concerned in the case of in-service candidates.
- g) Nativity certificate in the case of candidates from outside Kerala.
- h) Certificate in support of any other reservation claimed (including EWS) as specified in the application to prove their claims.

IX. REJECTION OF APPLICATION AND DISQUALIFICATION OF CANDIDATES

Applications received late or defective or incomplete in any manner or which do not contain any of the enclosures specified above are liable to be summarily rejected.

Applicants who attempt to canvas or influence the members of the Selection Committee directly or otherwise will be disqualified.

X. ENTRANCE EXAMINATION AND INTERVIEW

Examination centre: Entrance examination will be conducted in the major cities of Kerala. Candidates can opt their examination centre as per the preference. For Ph. D Ernakulam will be the only centre for entrance examination. The University will allot the examination centre and venue of examination as per the option. The University may cancel any examination centre and allot the candidates to the nearest centre of their choice. Exact venue will be informed to the candidates while issuing hall ticket.

Date of entrance examination for Post Graduate Programme - **19th June 2021**

Date of entrance examination for Ph.D. Programme - **02nd August 2021**

Candidates need to download hall ticket for the entrance examination and check the status of their admission from the online application portal. Candidates will be required to attend the entrance examination at their own expense. Candidates coming 15 minutes after the commencement of the entrance examination will not be permitted to write the exam.

In the case of MBA programmes, there will be a Group Discussion and Interview for short listed students at **Kerala University of Fisheries and Ocean Studies, Panangad, Kochi, Kerala on 1st-2nd July 2021.**

XI. ANNOUNCEMENT OF RESULTS

The list of candidates selected for admission based on Entrance examination/ Interview/Group Discussion, will be published at the University Head Quarters, Panangad and through the KUFOS website www.kufos.ac.in on **30th June 2021** for the Post-graduate programme and on **10th August 2021** for Ph.D. programmes.



XII. ADMISSION

Candidates selected will be admitted to the course, provided they pay the prescribed fees of the first semester in full on the due date prescribed by the University.

In the case of those candidates selected for admission who have not paid the fees in time and not joined the course on the date fixed, their claims for admission will be cancelled without notice and the seat thus becoming vacant will be filled up with next eligible candidates, if any, from the rank/wait list.

Candidates in Government service/University service are expected to make their own arrangements to get NOC/ relieving order from their posts in time.

Candidates will be admitted on the basis of the marks secured at the semester preceding the final semester. It is mandatory that the candidates, once admitted should fulfill the requirements regarding eligibility of marks, etc. before the first semester examination.

Date of admission for Post-graduate Programme - 5th-6th July 2021

Date of admission for Ph.D. Programme - 16th – 18th August 2021

Printout of the application and the originals of all the documents should be produced at the time of interview/ admission. These include the original certificates regarding proof of age, qualifications, caste/community certificate obtained from the Village Officer, creamy layer certificate, EWS Certificate and medical fitness certificate obtained from any Medical Officer not below the rank of an Asst. Surgeon, TC and Conduct Certificate. Candidates who secured their degrees from Universities outside Kerala have to produce Migration Certificate within one month of admission. Those who do not produce the original documents at the time of admission/interview, shall forfeit their seat and that will be filled from the waiting list or in any other manner deemed fit by the University.

Ph. D candidates, who qualify in the entrance examination need to submit consent of the guide in the prescribed format along with the synopsis of the research work at the time of the Interview (16th – 18th August 2021) Which is scheduled at **Kerala University of Fisheries and Ocean Studies, Panangad, Kochi, Kerala.**

XIII. FEES

The fee for all PG, Ph. D and Diploma courses is indicated in **Annexure II** but are liable to be modified by executive order of the University.

Note: Fees once paid will not be refunded on any account.

Foreign students/Person of Indian Origin (PIO)/Overseas Indian Citizen (OIC) need to pay US\$ 2000 (Two thousand US Dollars) or equivalent Indian Rupees



per semester excluding hostel fees and in the case of NRI candidates, one time (at the time of Admission) fee of US\$ 2000 (Two thousand US Dollars) or equivalent Indian Rupees and other fees for the academic programmes as prescribed for other general category of students, need to be paid. Hostel fee are to be paid separately.

XIV. EXEMPTION FROM PAYMENT OF FEES

Nearly 60% of the students who join various academic programmes get the benefit of either government reimbursement of fee or scholarship/ fellowship instituted by the Government/ University/ other institutions.

Candidates belonging to **Scheduled Caste (SC), Scheduled Tribe (ST) and Children of Fishermen (CoF)** will be given exemption from payment of tuition fees and special fees, subject to the grant of educational concession by e-grantz of the Scheduled Caste/Scheduled Tribe Development Department/ Fisheries Department, Govt. of Kerala as the case may be. However, they have to pay Admission fee, Caution deposits and other fees prescribed by the University at the time of admission. They should also submit application for fee concession through **e-grantz 3.0** (<https://www.egrantz.kerala.gov.in>) within thirty days from the commencement of regular class. All other candidates have to remit fee at the time of admission. No relaxation with regard to payment of fees will be allowed in the case of employees on deputation/study leave or those who are holders of ICAR Fellowships. They shall have to remit fees on the due dates prescribed and make their own arrangements to get the same reimbursed from the respective authorities. Students who are discontinuing the programme after closure of the admission are liable to pay a **liquidated damage** as fixed by the University or the entire course fee as the case may be. Ph.D. scholars availing fellowship from the Department of Fisheries, are liable to pay all prescribed fees as per the schedule.

XV. SCHOLARSHIPS AND FELLOWSHIPS

KUFOS students are eligible for availing all fees concession and grants sanctioned by the Govt. of India /Govt. of Kerala, according to their eligibility.

In addition to this, Post-graduate and Ph. D students are being awarded the KUFOS Junior Research Fellowship (KJF) and KUFOS Senior Research Fellowship (KSF) respectively according to their eligibility.

The main objective of the fellowship is to give financial assistance and incentive to all the eligible Post-graduate and Ph. D students who are taking their research work as a part of the University Research Programme, irrespective of their nativity.



KUFOS FELLOWSHIPS (KJF and KSF): Meritorious students admitted to the Master's Degree Programme in the Kerala University of Fisheries and Ocean Studies are eligible for the KUFOS Junior Fellowship. Meritorious candidates admitted to the Ph. D programme are eligible for the KUFOS Senior Fellowship. Students in receipt of any other scholarship, fellowship or financial assistance from any other source during the period will not be considered for the award of KUFOS fellowships. The University offers limited number of fellowships for Post-graduate and Ph. D students from each Faculty based on merit. Junior fellowship is Rs. 2000/- per Semester and Senior Research fellowship is Rs. 14000/- per month (Acad).

XVI. STUDENTS INSURANCE SCHEME (Yuva Raksha Policy)

An insurance scheme “Yuva Raksha Policy” of the Oriental Insurance Company Ltd. has been adopted by the University to all its UG, PG and Ph.D students. Accordingly to it, students have to pay a premium of Rs. 118/- (including 18% GST) per student per year for an insured sum of Rs 3.00 lakhs per student. After the closure of admission each year, the students will have to submit filled in application for insurance coverage strictly within one week failing which they shall be excluded from the insurance coverage. The insurance policy will come into force within thirty days of closure of admission (Acad).

XVII. GRIEVANCE REDRESSAL CELL

To realize the primary needs of the students and staff and to secure civil liberties of everyone, Grievance Redressal Cell is working in the University. The functions of the cell include protection of human rights, find solution for workplace harassments if any, ensuring inclusiveness and gender equality and empowering staff and students on issues pertaining to any mistreatment in the University.

XVIII. INTERNAL QUALITY ASSURANCE CELL (IQAC)

The IQAC cell is active in the University. The cell is responsible for the development of a quality system for consistent, conscious and catalytic improvement of the University. This cell is responsible for the approvals from the statutory bodies like University Grants Commission (UGC), All India Council for Technical Education (AICTE), etc.

XIX. WARNING

Ragging is a criminal offence as per the 'Anti-Ragging Act' of Kerala. Students indulging in such activities will be punished as per law. University has constituted an anti-ragging committee as per the directions of UGC



(<http://www.kufos.ac.in/antiragging.doc>). Students can file their complaints at complaints@kufos.ac.in. (Acad).

NOTE

The Hon'ble High Court of Kerala will be the only judicial body to decide on the disputes arising if any, in the matter of admission. The prospectus is subject to further modification as may be considered necessary by the University and will be issued as executive orders/notifications and the students are liable to obey the rules and regulations so amended or modified.

XX. FACILITIES AVAILABLE

KUFOS MAIN CAMPUS

KUFOS has excellent infrastructure to support the unique and different courses it offers in Fishery Science and Ocean Science. It provides wide range of facilities to the students to understand the course curriculum in effective manner. The Head Quarters of KUFOS with its enchanting blue building stands in harmony with the greenery at Panangad, 12 km away from Kochi city, along NH-66. The University now has 75 acres in the Head Quarters at Panangad.

KUFOS FISHERIES STATION, PUDUVEYPU

Major research station of KUFOS covering an area of 50 acres of land, of which more than 50% were earmarked for Mangrove research. Instructional farms comprising of various nursery and grow out ponds are the major attraction of the station.

KUFOS REGIONAL CENTRE, KANNUR

The KUFOS Regional Centre, Kannur started functioning at Payyanur from February 2018. This centre has been established with the aim of carrying out research, extension and training activities in North Kerala. Enhancing the aquaculture production in the region through the development and dissemination of suitable technologies, livelihood improvement of fishermen through industry incubation and establishment of small-scale enterprise, women empowerment and development of strategies for the sustainable utilization of aquatic resources in the region are some of the activities being taken up by this centre.

KUFOS REGIONAL CENTRE, KOLLAM

The proposed site for regional center for KUFOS is in Kundara, Kollam. In the erstwhile Allied Factory, which is located around 12 km eastward towards Kollam town. The center will concentrate on the research activities in Fisheries



and Ocean Science and address the specific needs of fishermen and fish farmers of South Kerala.

CLASS ROOMS

Separate UG and PG smart class rooms with modern teaching aids viz. interactive boards, LCD projector, overhead projector, etc. are available in all Departments.

LABORATORIES

Well equipped laboratories in the University are used for practical learning as well as for carrying out research and development activities. The main laboratories are aquaculture lab, biology lab, molecular biology lab, hydrography lab, fishing technology lab, water and soil chemistry lab, biochemistry lab, microbiology lab, fish processing plant, food processing lab, food chemistry lab, biotechnology lab, computer lab, oceanography lab, etc.

AQUATIC ANIMAL HEALTH AND ENVIRONMENT MANAGEMENT LABORATORY

Aquatic Animal Health and Environment Management Laboratory has been established with financial assistance from the National Fisheries Development Board (NFDB), Hyderabad. This sophisticated lab, with facilities for level 1, 2 and 3 diagnosis, acts as the referral laboratory for aquatic animal diseases in the State. The officials of the Central and State Fisheries, farmers, students and researchers are trained in disease diagnosis and awareness programmes in this laboratory. Research programmes aimed at the development of diagnostic methods, treatment protocols and management measures for aquatic animal diseases are also carried out in this lab. This laboratory functions as a referral laboratory for disease diagnosis of cultivable fish and shellfish in the State.

SOIL AND WATER ANALYSES LAB

Soil and water analyses lab is a state-of-the-art facility established in KUFOS targeting analysis of soil and water samples of various water bodies in and around the State. This facility is open for the farmers, researchers, industrialists and common public. This lab offers analytical facilities at appropriate rates as per the existing rules and regulations. The present facility includes soil analyses- trace metals, organic carbon, pH and water analysis- organic carbon, pH, dissolved oxygen, salinity, trace metals, hardness, nutrients – ammonia, nitrate etc. In addition to this, fish samples can also be analysed for contaminants. Lab houses UV Visible Spectrophotometer, Fluorescence spectrophotometer, TOC analyzer, ICP-OES etc. for catering the needs of the target groups.



KUFOS LIBRARY

University library is well-stocked and comprises of books, journals, reports, FAO publications, thesis, standard and personal rich collections given by renowned scientists in Fisheries Science. There are over 19000 books, out of which 2000 are reference books and 17000 textbooks on fisheries and related subjects. University library provides facilities of lending of text books to the staff and students, provides reference facility for students and researchers from outside and books for educational purpose are issued permanently to students every year at 50% concession rate. University library also provides online database search for Aquatic Biology, Aquaculture, Fishery Resources, Fish and Fisheries Worldwide and Food and Human Nutrition in AGRIS. Library has in-house database of books in KOHA software. It also has a database of thesis and bound volume in CDS and ISIS software. Library is provided with internet access available through LAN, reprographic service and scanning facility. University has set up a D-Space Digital Library and Automated Library Information System with Wi-Fi connectivity. Institution repository system named MEENAM is available through LAN. Currently more than 600 online journals are available through CeRA.

KUFOS MUSEUM AND AQUARIUM

The University has a good museum for fish, crustacean, molluscs, and aquatic plants. It is maintained by the Department of Fishery Resource Management and Harvest Technology. There is also a public aquarium of fresh-water fish maintained by the Department of Aquaculture.

HATCHERIES

Well-equipped hatcheries are attached to Faculty of Fisheries. The list of hatcheries includes fresh-water prawn hatchery, ornamental fish hatchery, carp hatchery with jar and Chinese hatchery

INSTRUCTIONAL FARM FACILITY

Of the total land available, about 12.5 ha. (60 ponds) is used as instructional farm. 2.5 ha. water areas have been developed into a brackish water fish farm comprising 20 ponds of different sizes. 5ha. area is presently utilized for prawn filtration.

TRANSPORTATION FACILITIES

The University provides bus service for students and staff for to and fro movement from campus to various locations of the city.



SPORTS FACILITIES

The University provides excellent facilities and infrastructure for various games and sports. The University also provides well-equipped gymnasium in the campus. A standard playground with six-track is available for the use of students. Other infrastructure facilities for sports and games include 2 basketball courts, 2 volleyball courts, 2 shuttle badminton courts, 4 table tennis boards and a full-fledged fitness centre. All sports and games activities are exercised under the guidance of the Physical Education Teacher.

SWIMMING POOL

The swimming pool has a capacity of 4.5 lakh liters of water and is 25 metre long and 10 metre wide. It has four tracks, four starting blocks, all round deck slab, and spring board for diving, separate changing rooms for boys and girls and automatic water purification facility. Life guard's services are provided for the safety of students.

COMPUTER FACILITIES

The University has a well-furnished computer lab funded by Indian Council of Agricultural Research (ICAR). The lab consists of many computers inter via Local Area Network (LAN). The Lab is also provided with fast broadband internet connection to access the global knowledgebase. The University provides high speed internet facilities to all students and faculty. The students can also utilize the Wi-Fi facility in the Library.

KUFOS HOSTELS

The University provides separate hostel facilities for boys and girls within the campus. Hostels are provided with all the amenities required for a healthy and calm stay away from home. The University also has a well-furnished guest house. The Men's hostel has the capacity to accommodate 60 students and has two guest rooms. The Ladies' hostel has the capacity to accommodate 133 students. In addition to UG hostels there is a PG hostel for ladies to accommodate Post-graduate students. Priority in admission to hostel shall be given to SC/ST, physically handicapped students and other eligible categories up to 50% of the total seats available. Hostel accommodation is subject to availability.

KUFOS AMENITY CENTRE

The amenity centre, which is spread across 9000 sq.ft to house units that sell live fish produced at the University and food products developed by the students, guidance centre for farmers, and banks. The facility, which was set up at a cost of



2.60 crore, would get quality products prepared by the varsity from the amenity centre. The centre would have special sales counters of the University and its co-operative society, medical dispensary, bank, post office, ATM, supermarket, cafes, fish kiosks and rest rooms.

AUDIO - VIDEO STUDIO FACILITY

The University has setup an audio - video and editing studio for sharing University activities and other relevant information to the key stakeholders of the University through mass media. The facility will be utilized for making audio and video tapes for education, research and extension purposes. Facility will be outsourced for professional videographers and film makers on payment.

XXI. JOB OPPORTUNITIES AND PLACEMENT CELL

Alumni of KUFOS are working with various International and National academic, research and industrial organizations. KUFOS holds the record of producing maximum number of Agricultural Research Scientists for the nation. A good number of officers in Central and State Fisheries Department are alumni of KUFOS. KUFOS produced a large number of entrepreneurs/professionals/scientists in the field of food technology, oceanography, management, maritime law, fish processing, aquaculture, hatchery and ornamental fish sector. The placement cell under each Faculty ensures maximum number of placements to the graduates and post-graduates of the University. Export Inspection Agency and Seafood Exporters Association of India (Kerala region), Kochi through a Memorandum of Understanding has agreed to provide training and placement to 20 students every year. Many students of the University opt go abroad for higher studies, doctoral programmes .

XXII. APPROVED RESEARCH CENTERS

1. Central Institute of Fisheries Technology (CIFT), Kochi
2. Centre for Marine Living Resources and Ecology (CMLRE), Kochi
3. Central Institute of Fisheries Nautical and Engineering Training (CIFNET), Kochi
4. Govt. Law College, Ernakulam
5. Nansen Environmental Research Centre India (NERCI), Kochi
6. Sree Narayana Gurukulam College of Engineering (SNGCE), Kadayiruppu, Ernakulam
7. Central Marine Fisheries Research Institute (CMFRI), Kochi
8. Indian National Centre for Ocean Information Service (INCOIS), Hyderabad.



9. National Bureau of Fish Genetic Resources (NBFGFR), Kochi.
10. Holy Grace Academy of Management Studies, Thrissur.
11. Department of Fisheries and Aquaculture and Department of Management, St. Albert's College, Ernakulam.
12. Indian Institute of Spices Research (IISR), Kozhikode.
13. Naipunya Business School, Thrissur.
14. Leads College of Management, Palakkad.

XXIII. INSTITUTIONS WITH WHOM MoU EXECUTED

1. Central Marine Fisheries Research Institute (CMFRI), Kochi
2. Central Institute of Fisheries Technology (CIFT), Kochi
3. Central Institute of Freshwater Aquaculture (CIFA), Bhubaneswar
4. Central Institute of Brackish-water Aquaculture (CIBA), Chennai
5. National Institute of Oceanography (NIO), Goa
6. National Bureau of Fish Genetic Resources (NBFGFR), Lucknow
7. Export Inspection Agency (EIA), Kochi
8. Seafood Exporters Association of India (Kerala region), Kochi
9. National Center for Earth Science Studies (NCESS), Trivandrum
10. Indian National Centre for Ocean Information Services (INCOIS), Hyderabad
11. Agricultural Skill Council of India.
12. Indian Institute of Spices Research, Kozhikode.
13. Central Institute of Fisheries Nautical and Engineering Training (CIFNET), Kochi
14. Centre for Marine Living Resources and Ecology (CMLRE), Kochi
15. Vidyodaya School, Kochi.
16. Central Plantation Crops Research Institute (CPCRI), Kasargod.
17. Nansen Environmental Research Centre India (NERCI), Kochi
18. Kerala State Remote Sensing and Environment Centre, (KSREC), Thiruvananthapuram.
19. COOP Co operative, Switzerland.
20. Cochin Port Trust, Kerala.
21. Peninsular and Marine Fish Genetic Resources Centre, NBFGFR, Kochi.



22. Gender in Aquaculture and Fisheries Section of the Asian Fisheries Society, Malaysia.
23. Plymouth University, United Kingdom
24. Asian Institute of Technology (AIT) Thailand
25. ICAR- Central Inland Fisheries Research Institute (CIFRI), Kolkata
26. Aquaculture Development Cooperative Society (ADCOS), Payyanur
27. Aquaculture without frontiers

XXIV. INTERNATIONAL UNIVERSITIES AND RESEARCH INSTITUTES ASSOCIATED WITH KUFOS

1. Bournemouth University, United Kingdom
2. University of Las Palmas de Gran Canaria, Spain
3. Royal Melbourne Institute of Technology University, Australia
4. National Taiwan Ocean University (NTOU), Keelung, Taiwan.
5. Hawassa University, Ethiopia.
6. National Chung Cheng University (CCU), Taiwan.
7. Asia University, Taiwan.
8. Shu- Te University (STU), Kaohsiung City, Taiwan.
9. Plymouth University- United Kingdom
10. Asian Institute of Technology (AIT), Thailand

XXV. CENTRE OF EXCELLENCES

With the view to accommodate the fast developments in the area of research & development in the field of Fisheries and Ocean Science, KUFOS has established four Centers of Excellence in the core areas of Fisheries and Ocean Science research. The functioning of the centers is aligned to conduct research in core area and facilitate the research by the faculty in line with the mandate of the centre. All the research activities are focused towards developing the Centers of Excellences. Broadly these CoE's will act as centers facilitating basic research and applied research, which will eventually develop into defined academic center in the areas concerned. Four Research centres already established are

- 1. Centre of Excellence in Sustainable Aquaculture and Aquatic Animal Health Management [CAAHM]**



2. **Centre of Excellence in Aquatic Resource Management and Conservation [CARMC]**
3. **Centre of Excellence in Food Processing Technology [CEFPT]**
4. **Centre for Advanced Studies and Research in Entrepreneurship Development [CASRED]**

XXVI. MASSIVE OPEN ONLINE COURSES (MOOC)

KUFOS has initiated Massive Open Online Courses (MOOC) to create an education platform in consortium with top organizations of the country, to offer courses online for all in the field of Fisheries and Ocean Science. A dedicated website mooc.kufos.ac.in has been launched and the details on student registration, courses being offered and the mode of functioning of MOOC platform has been uploaded. At present, KUFOS is offering four courses of 8 weeks duration on the topics; Brackish-water fish culture, Feed and Feed Management in Aquaculture, Fish diseases and diagnosis and Basic course on Meteorology.

XXVII. KERALA MANAGEMENT ASSOCIATION (KMA) STUDENT CHAPTERS

Kerala Management Association (KMA) Student Chapter started functioning at Department of Business Administration and Management. KMA, being a reputed professional body functioning in the areas of business and management, it offers various avenues especially for MBA students. The Chapter provides the students with forums for interactions as well as avenues for professional networking. This also facilitates students to attend various programs organized by the body. This body is also helpful in exploring training and placement opportunities for the students, in turn benefitting faculty and university as a whole.







ANNEXURE I

COURSE DETAILS

M.F.Sc. Programmes

1. INTRODUCTION

Master of Fisheries Science (M.F.Sc) – programmes are being offered by different Departments under Faculty of Fisheries Science. Basically, it is a two years (4 semesters) programme conducted as per the ICAR pattern. The courses are having field application value and well accepted world over.

- a. M.F.Sc. Aquaculture
- b. M.F.Sc. Aquatic Animal Health Management
- c. M.F.Sc. Aquatic Environment Management
- d. M.F.Sc. Fish Nutrition & Feed Technology
- e. M.F.Sc. Fish Processing Technology
- f. M.F.Sc. Fisheries Resource Management
- g. M.F.Sc. Fisheries Engineering & Technology
- h. M.F.Sc. Fisheries Extension

2. OBJECTIVES

These programmes are designed to offer adequate strength in theoretical and practical training in their respective areas. The syllabi for these courses are designed in such a way as to equip the students to take-up any challenge in fisheries and allied areas.

3. ELIGIBILITY

Four-year Bachelor's degree in Fisheries Science (B.F.Sc.) recognized by Kerala University of Fisheries and Ocean Studies with an OGPA of 6.5/10.0 or above (In the case of SC/ST candidates an OGPA of 5.5/10.0).

4. ASSESSMENT AND STANDARDS OF PASSING

The evaluation of the students in a course shall be based on his/her performance in various examinations, term papers/assignments/ student seminars/ records/ case study and project reports.



5. NUMBER OF SEATS

Master's degree programme leading to M.F.Sc. offered by the various Departments in different disciplines are given below:

programme leading to M.F.Sc. offered by the various Departments in different disciplines are given below:

SL.NO	Department	Discipline	Seats		
			KUFOS	ICAR	Total
1	Aquaculture	Aquaculture	6	2	8
		Aquatic Animal Health Management	4	1	5
2	Aquatic Animal Health Management	Aquatic Environment Management	6	2	8
3	Aquatic Environment Management	Fish Nutrition and Feed Technology	6	2	8
4	Fish Engineering	Fish Processing Technology	4	1	5
5	Fisheries Resource Management	Fisheries Engineering and Technology	6	2	8
6	Fish Processing Technology	Fisheries Resource Management	6	2	8
7	Fisheries Extension, Economics & Statistics	Fisheries Extension	4	1	5
TOTAL			42	13	55

6. MODE OF SELECTION:

Through common entrance examination and interview conducted by KUFOS. ICAR quota seats will be filled by the All-India Entrance examination conducted by the Indian Council of Agricultural Research (ICAR), New Delhi (<https://icar.nta.nic.in>)

7. EMPLOYMENT OPPORTUNITIES:

Fisheries Universities and Colleges of the Country employ a sizable number of post-graduates every year as teachers. They can also work as officers/scientists at national level research organizations, consultants in national and overseas industries/research organizations and entrepreneurs. Therefore, these courses are considered highly demand driven courses. There is ample scope for joining private companies that produce feed, seed and accessories for aquaculture and ornamental fish farming. Moreover, they can also do Ph. D in the respective areas. They can also join for higher positions in the Departments of Fisheries and in Banks as Agricultural Officers.



M.Sc. Programmes

● I. 2. (a) M.Sc. in Applied Geology

1. INTRODUCTION:

The study of Applied Geology explores the Geology, Geophysics and Geochemistry of the Earth system, beneath, within and above the oceans. Here, scientists study the entire Earth incorporating all the principal scientific disciplines like physics, chemistry, biology and mathematics from space, on the ground and deep below the Earth's surface. Marine geoscience studies help in compiling coastal and digital elevation models, high resolution models for Tsunami Inundation studies and in preparation of navigational charts. Geoscientists also study corals from a sedimentologist or paleoclimate prospective.

2. OBJECTIVES:

The objectives of the programme are to provide sufficient number of competent personal with sufficient knowledge and skill in the areas of Applied Geology with special reference Marine Geosciences to cater the need of the present and future.

3. ELIGIBILITY:

A University degree with not less than 55% marks or equivalent in any of the following subject combinations. Degree in Geology / Geophysics / Physics / Mathematics/ Chemistry/ Environmental Sciences with Geology or GIS/ Degree in Electronics /Civil Engineering / Coastal Engineering / Degree in Nautical Sciences.

4. ASSESSMENT AND STANDARDS OF PASSING:

The evaluation of the students in a course shall be based on his/her performance in various examinations, term papers/assignments, seminars, records/ case study/project report and final semester's thesis valuation and viva-voce. Assessment will be based on both internal and external evaluations.

5. NO. OF SEATS: 10



6. MODE OF SELECTION:

Through common entrance examination conducted by KUFOS.

7. EMPLOYMENT OPPORTUNITIES:

This course is being offered rarely in Universities and hence the manpower availability is low. The understanding of Geo-Science is even now in the primitive stage and therefore, the PG students coming out of the course will have great job opportunities. The students can work as professionals who can predict geological phenomena and in the area of integrated coastal and disaster management. The course may also have the potential to develop advisors in the area of disaster management and climate change.

○ I. 2. (b) M.Sc. in Biotechnology

1. INTRODUCTION:

Biotechnology has a strong potential in advancing our nations interest in science and economy by utilizing and exploiting the vast potential that remains unexplored. M.Sc. Biotechnology program involves theoretical and practical training and includes research projects (dissertation) and the course covers all latest developments in the field and prepares student for the highly competitive academic and industry-oriented environment

2. OBJECTIVES:

Biotechnology is a multidisciplinary area on the educational scene and programmes have been developed to meet the growing demand for trained manpower for any meaningful biotechnology activity in the country. The programmes are designed to expose the students to recent exciting developments in the area of genetic engineering and biotechnology and their exploitation in industry, medicine, agriculture and allied sciences.

3. ELIGIBILITY:

A Bachelor of Science with 50% marks or 5.5/10.0 OGPA or 2.2/4.0 OGPA (50% for SC/ST candidates) in any of the following subject combinations.

1. B.Sc. in Life Science
2. B.Sc. in Biotechnology
3. B.Sc. in Microbiology
4. B.Sc. in Zoology/Botany
5. B.Sc. in Zoology/ Botany/ Chemistry
6. B.Sc. in Bio-informatics/Biochemistry/Marine Biology
7. B.Sc. in Aquaculture
8. B.Sc. in Industrial fish & fisheries
9. B.F.Sc. /B.F.Sc. (Nautical Science)



Candidates awaiting their final results of the qualifying degree exam can also apply, but they should produce their qualifying degree/mark list up to the semester preceding the last semester at the time of the interview.

4. ASSESSMENT AND STANDARDS OF PASSING

The evaluation of the students in a course shall be based on his/her performance in various examinations, term papers/assignments/ student seminars/ records/case study and project reports. Assessment will be based on both internal and external evaluation.

5. NO. OF SEATS: 15

6. MODE OF SELECTION

Through common entrance examination conducted by KUFOS.

7. EMPLOYMENT OPPORTUNITIES

Biotechnology is a multidisciplinary area on the educational scene and programmes have been developed to meet the growing demand for trained manpower for any meaningful biotechnology activity in the country. Students are given intensive training in the multidisciplinary areas of biotechnology including recent advances in cell biology, molecular biology, genomics, genetic engineering and bioinformatics. The programme is designed to prepare the students in recent exciting developments in the area of genetic engineering and biotechnology and their exploitation in industry, medicine, agriculture and allied sciences.

○ I. 2. (c) M.Sc. in Climate Science

1. INTRODUCTION

The climate on the earth has been changed substantially from the past. There are natural and man-made causes for such changes. This course will provide an in-depth knowledge about the physics and dynamics of the atmosphere and about the factors that are responsible for the occurrence of extreme weather events.

2. OBJECTIVES

Emerging research has indicated that the excessive dependence on fossil fuels have resulted in the rapid increase in the global temperature in the recent decades, giving rise to extreme weather events such as floods, droughts and severe cyclonic storms. It is essential to understand the fundamental process that governs the Earth's climate system. Therefore, the curriculum is designed to include the relevant concepts in meteorology, oceanography, Remote Sensing & GIS, Climate sustainability etc. Different forecast models used to predict the state of the atmosphere are also included in the syllabus. In the final semester, the students will do their dissertation at a leading State/Central Govt. research institution in a topic covered in the curriculum.



3. ELIGIBILITY

The students 50% or 5.5/10.00 or 2.2/4.0 marks in BSc. Physics/Mathematics.

4. ASSESSMENT AND STANDARDS OF PASSING

The evaluation of the students in a course shall be based on his/her performance in various examinations, term papers/assignments/student seminars/records/ case study and project reports. Assignment will be based on both internal and external evaluation.

5. NO. OF SEATS: 10.

6. MODE OF SELECTION

Through common entrance examination conducted by KUFOS.

7. EMPLOYMENT OPPORTUNITIES

The MSc Climate Science graduates may get employment / research opportunities in the institutions like India Meteorological Department (IMD), Indian Institute of Tropical Meteorology (IITM), National Institute of Oceanography (NIO), Indian National Centre for Ocean Information Services (INCOIS), Indian Space Research Organization (ISRO), State Disaster Management Authorities of different States of India, Universities etc.

○ I. 2. (d) M.Sc. in Disaster Management

1. INTRODUCTION

Disaster Management is a strategy for avoiding, reducing, managing and overcoming any type of catastrophic event that threatens human and the environment. It is of utmost importance to identify potential disasters, man-made or natural and to create contingency plans and procedures whenever disaster strikes. This course provides information on natural and human-induced disasters and their impact on societies worldwide. The student will be exposed to various concepts of disaster management and understand the interaction of earth system with the human system.

2. OBJECTIVES

The course offers a thorough knowledge on the Atmospheric & Hydrological Disasters (Heat & Cold waves, Lightning, Flood, Drought, Cyclones, and Avalanches), Geologically Related Disasters (Earthquake, Tsunami, Landslides, and Volcanic Eruption) as well as Issues & Challenges, Warning, Preparedness, Mitigation & Response measures, Case Studies etc. As for Environmental Disasters, the important aspects like the Environmental Impact Assessment, Wetland conservation & Restoration, Quarrying, Solid waste & E-Waste Management – Issues, Challenges & Remedial Measures, Rules & Regulations,



Alternative Technologies etc., are dealt in detail. The course covers Tourism & Environment, Environmental Acts and Policies in India. Air, Water & Land Pollution, Climate Change and its Impacts, Integrated Coastal Zone Management, Urban Risks & Management, Biologically Related Disasters - Disaster Mitigation and Management form some of the core parts. Man-made, Chemical, Industrial & Nuclear related disasters, Road, Rail, Boat & Air Accidents, Dams & Reservoirs- Dam Safety & Reservoir Induced Seismicity, Dam Failure –Causes, Mitigation and Management measures etc. are covered in detail. The students will have to carry out a Project Work in their final semester in reputed Institutes related to Disaster Management to complete the Program.

3. ELIGIBILITY

Bachelor's Degree in Science or B.Tech/B.E. Degree of any discipline with 50% marks or equivalent OGPA.

4. ASSESSMENT AND STANDARDS OF PASSING

The evaluation of the students in a course shall be based on his/her performance in various examinations, term papers/assignments/ student seminars/ records/case study and project reports. Assessment will be based on both internal and external evaluation.

5. NO. OF SEATS: 10

6. MODE OF SELECTION

Through common entrance examination conducted by KUFOS.

7. EMPLOYMENT OPPORTUNITIES

There are plenty of employment opportunities in disaster management in government as well as in private organizations. The work profile varies like teaching, research, consultancy, documentation, training organizer, field training and mock driller expert. Names of some organizations having likely employment opportunities include National Institute of Disaster Management (NIDM), State Disaster Management Authorities, District Disaster Management Authorities, United Nations Development Programme (UNDP), United Nations Environment Programme (UNEP), Indian Red Cross Society, States Revenue and Disaster Management Department, Indian and International level Non-Governmental Organizations (NGO) working in the field of Disasters Management, Faculty and research positions in universities/institutes and in foreign countries.

● I. 2. (e) M.Sc. in Environmental Sciences

1. INTRODUCTION

This is a newly introduced post graduate programme intended to create a cadre of trained professionals who are equipped to deal with scientific, technological,



legal, socio-economic and policy aspects related to environment and resource management. The programme intends to provide students with a deep understanding of the complex set of circumstances that impact environmental issues, and how environmental decisions and policies attempt to find a balance between environmental conservation and economic development. The curriculum has been designed seamlessly by integrating the concept of sustainable development in an inter-disciplinary framework with an emphasis on research and application. It addresses the growing need for professionals in society who can apply best management practices drawn from various disciplines to create innovative solutions for a sustainable future.

2. OBJECTIVE

The programme aims to develop a holistic approach to environmental and resource problems in students from diverse academic, professional and cultural backgrounds. The emphasis is placed on techniques for examining recent environmental change, methods of contemporary monitoring and providing the context for possible future climate change impacts in a range of environments. The programme has a strong practical component within which there is specialist training in a wide variety of field and laboratory techniques

3. ELIGIBILITY

Any bachelor degree in Science/ Technology with 50% marks or equivalent OGPA

4. ASSESSMENT AND STANDARDS OF PASSING

The evaluation of the students in a course shall be based on his/her performance in various examinations, term papers/assignments, seminars, records/ case study/project report and final semester's thesis valuation and viva-voce. Assessment will be based on both internal and external evaluations.

5. NO. OF SEATS: 15

6. MODE OF SELECTION

Through common entrance examination conducted by KUFOS.

7. EMPLOYMENT OPPORTUNITIES

It is an advanced course of study that can lead to employment in the public or private sector. Students in this program can specialize in many different areas such as engineering, conservation, ecology, biology and chemistry. Generally speaking, the graduate will work in areas related to locating and protecting the earth's resources. This can include predicting hazards and advising on issues related to regulatory compliance. The field of environmental science is expected to continue growing at a robust level. As worldwide environmental regulations continue to be implemented, more jobs are being created. The M.Sc. in Environmental Science graduates may get employment / research opportunities in nationally and



internationally renowned institutions and organizations including United Nations World Bank, International AID agencies, Indian Space Research Organization, CSIR Institutions, various Ministries of Government of India and State, Universities and educational institutions other public and private sectors.

○ I. 2. (f) M.Sc. in Food Science & Technology

1. INTRODUCTION

The M.Sc. in Food Science and Technology enables one to develop foods for future with a focus on nutrition, health, sensory, sustainability, quality, and safety. Ample opportunities wait for the students of this programme.

2. OBJECTIVES

The basic objective of the programme is to provide competent and qualified young minds with up-to-date knowledge and skills to meet the national and international demands in the area of food science and technology to cater to the needs of the present and the future.

3. ELIGIBILITY

A Science degree with 50% marks or 5.5/10.0 OGPA or 2.2/4.0 OGPA in any of the following subject combinations.

1. B.Sc. in Food Science and /or Technology
2. B.Sc. in Food Engineering
3. B.F.Sc.
4. B.Sc. in Agriculture/ Horticulture/other allied agricultural sciences
5. B.V.Sc.
6. B.Sc. in Dairy Science
7. B.Sc. in Chemistry/Zoology/Botany/Allied Life sciences
8. B.Sc. in Microbiology/Bio Chemistry/Bio technology
9. B.Tech in Food science and technology

Candidates awaiting their final results of the qualifying degree exam can also apply, but they should produce their qualifying degree/mark list at the time of admission.

4. ASSESSMENT AND STANDARDS OF PASSING

The evaluation of the students in a course shall be based on his/her performance in various examinations, term papers/assignments/ student seminars/ records/ case study and project reports. Assessment will be based on both internal and external evaluation

5. NO. OF SEATS: 25

6. MODE OF SELECTION:

Through common entrance examination conducted by KUFOS.



7. EMPLOYMENT OPPORTUNITIES

Processing of foods, especially easily perishable food is a challenge. The food production sector is an extremely complex system and there is a growing need for highly qualified food science graduates who can understand and apply technologization in this area. M.Sc. in Food Science and Technology enables students to work as competent food technologists, researchers, academicians, entrepreneurs etc. at national and international levels. They have significant job opportunities in India as professionals like food scientists and food technologists. Food processing units in government sectors and private sectors also offer employment options to the graduates.

● I. 2. (g) M.Sc. in Marine Biology

1. INTRODUCTION

The M.Sc. in Marine Biology is offered by the Faculty of Ocean Science and Technology.

2. OBJECTIVES

The objective of the programme is to provide sufficient number of competent young personnel with the sufficient knowledge and skill in the area of Marine Biology to cater to the need of the present and the future.

3. ELIGIBILITY

B.Sc. with 50 % or 6.5/10.0 or 2.2/4.0 marks in any of the following subject combinations.

1. B.Sc. in Zoology
2. B.Sc. in Aquaculture
3. B.Sc. in Industrial Fish and Fisheries
4. B.F.Sc.
5. B.F.Sc. (N)
6. B.Sc. in Microbiology
7. B.Sc. in Zoology/Botany/Chemistry
8. B.Sc. in Life Science
9. B.Sc. in Biotechnology
10. B.Sc. in Bio-informatics / B.Tech. Bio-informatics

4. ASSESSMENT AND STANDARDS OF PASSING

The evaluation of the students in a course shall be based on his/her performance in various examinations, term papers/assignments/ student seminars/ records/case study and project reports. Assessment will be based on both internal and external evaluation.

5. NO. OF SEATS: 25



6. MODE OF SELECTION:

Through common entrance examination conducted by KUFOS.

7. EMPLOYMENT OPPORTUNITIES:

Marine Biology careers in India are enormous and diverse. In this field, there are various job opportunities in India and abroad especially in education, research and industry. The manpower requirement in the area is huge; and hence, the course has great scope. They can also work as officers/scientists at national level research organizations, and as consultants in national and overseas industries/research organizations. State Fisheries departments and State Biodiversity Boards, etc. are other options for the M.Sc. Degree holders. Besides opportunities in academic and R & D institutions, students who obtained M.Sc. Degree in Marine Biology can also enter into aquaculture and seafood industries. Those who would like to be an entrepreneur can take up aquaculture, ornamental fish culture and trade. A placement cell is also functioning in KUFOS with the cooperation of faculty and student representatives.

I. 2. (h) M.Sc. in Marine Chemistry

1. INTRODUCTION

Oceans play an important role in day-to-day lives of human population, and over 65% of the world's population lives in coastal areas. Knowledge in Marine Chemistry is vital for our economy, regulate climate, food, and biodiversity and ultimately have immense societal significance. The course provides opportunity to gain knowledge and experience on the properties and composition of seawater; biogeochemical cycles, the importance, distribution, relationships and cycling of inorganic nutrients; dissolved gases; trace elements; marine pollution; marine natural products.

2. OBJECTIVES

The major objective this course is to create skilled manpower in marine chemistry to cater the need of academia and industry alike. To design world class professionals in marine science to harness resources from ocean and help conserve ocean.

3. ELIGIBILITY

Bachelor's degree with Chemistry as main subject.

4. ASSESSMENT AND STANDARDS OF PASSING

The evaluation of the students in a course shall be based on his/her performance in various examinations, term papers/assignments, seminars, records/ case study/project report and final semester's thesis valuation and viva-voce. Assessment will be based on both internal and external evaluations.



5. NO. OF SEATS: 15

6. MODE OF SELECTION

Through common entrance examination conducted by KUFOS.

7. EMPLOYMENT OPPORTUNITIES:

This course is being offered rarely in Universities and hence the manpower availability is low. The students can work as professionals in the chemical industries. The course may also have the potential to develop advisors in the area of chemical oceanography.

○ I. 2. (i) M.Sc. in Marine Microbiology

1. INTRODUCTION:

The M.Sc. in Marine Microbiology Programme is offered by the Faculty of Ocean Science & Technology provide deep insight about the importance of microbiology, specifically marine microbiology, which is attaining great attention in the recent years.

2. OBJECTIVES:

Basic objective of the programme is to provide sufficient number of competent young personnel with necessary knowledge and skill in the area of marine microbiology to cater to the needs of the present and future.

3. ELIGIBILITY

Bachelor in Science degree with 50% marks or 5.5/10.0 OGPA or 2.2/4.0 OGPA (50% for SC/ST candidates) in any of the following subject combinations.

1. B.Sc. in Biotechnology/Microbiology
2. B.Sc. in Food Science & Technology
3. B.Sc. in Chemistry/Zoology/Botany/Biochemistry/Life Science
4. B.Sc. in Aquaculture/Fisheries Science
5. B.F.Sc.

Candidates awaiting their final results of the qualifying degree exam can also apply. But they should produce their qualifying degree/mark list up to the semester preceding the last one at the time of the interview.

4. ASSESSMENT AND STANDARDS OF PASSING

The evaluation of the students in a course shall be based on his/her performance in various examinations, assignments, seminars, records, project reports etc. Assessment will be based on both internal and external evaluation.

5. NO. OF SEATS: 20

6. MODE OF SELECTION

Through common entrance examination conducted by KUFOS.



7. EMPLOYMENT OPPORTUNITIES

The area of Marine Microbiology is so vast that it can absorb talented human resources in its fold of activities. Students who have completed the course can be placed in research institutes and laboratories. They can also find placement as quality control personnel in commercial establishments dealing with food products and pharmaceuticals. Placement avenues are also open in government/private academic and research institutions in this area.

I. 2. (j) M.Sc. in Physical Oceanography

1. INTRODUCTION

There is acute shortage of manpower in the area of analyzing ocean phenomena. The course is designed in such a way as to equip the students to study the various components in the area so that they can take up any challenge in the field.

2. OBJECTIVES

The basic objective of the programme is to provide sufficient number of competent young personnel with the necessary knowledge and skill in the area of Physical Oceanography to cater the need of the present and future.

3. ELIGIBILITY

B.Sc. with 50% or 5.5/10.0 or 2.2/4.0 marks in any of the following subject combinations.

1. Physics main with Mathematics and Chemistry as subsidiaries
2. Physics main with Mathematics and Statistics as subsidiaries
3. Physics main with Mathematics and Computer Science/Computer applications as subsidiaries.
4. Physics main with Mathematics and Electronics as subsidiaries
5. Physics main with Mathematics and Geography as subsidiaries
6. Mathematics with Physics and Statistics as subsidiaries
7. Mathematics main with Physics and Computer Science / Computer Applications as subsidiaries.
8. Three main with Physics, Mathematics and Chemistry
9. Three main with Physics, Mathematics and Statistics
10. Three main with Mathematics, Physics and Computer Science/Computer application
11. Bachelor of Science in Nautical Science

Candidates awaiting their final results of the qualifying degree examination can also apply but they should produce their qualifying degree/mark up to the semester preceding the last semester at the time of interview.

4. ASSESSMENT AND STANDARDS OF PASSING

The evaluation of the students in a course shall be based on his/her performance in various examinations, term papers/assignments/ student seminars/ records/case



study and project reports. Assessment will be based on both internal and external evaluation.

5. NO. OF SEATS: 10

6. MODE OF SELECTION:

Through common entrance examination conducted by KUFOS.

7. EMPLOYMENT OPPORTUNITIES:

Making a career in Oceanography is challenging as well as rewarding and it takes students to explore the world within our oceans which is yet to be discovered. This emerging field gives the opportunity to gain scientific knowledge as well as employment in various public and private organizations. There are large employment opportunities for Oceanographers in both public and private sectors. A professional in Oceanography can be absorbed as a Marine Environmental Scientist, Geologist, Geographer, Geophysicist, Hydrographer, Oceanographer or Mining engineer at various organizations in India and abroad. One can find opportunities in any of the following: Offshore oil and gas industry, ONGC, GSI, Indian Meteorology Department, University departments/IIT, NIO, NIOT, NRSA, ICMAM, SAC, NEERI, ISRO, Fishery survey of India, Navy, CIFT, CMFRI, CIFNET, TORMET, NCPOR, NCESS, NPOL and similar organizations.

○ I. 2. (k) M.Sc. in Remote Sensing and GIS

1. INTRODUCTION

This course will provide detailed understanding on how remote sensing and GIS (Geographical Information System) technologies are being used in the fields of land, ocean, and atmospheric studies, and the knowledge driven management of nature and natural resources. The objectives of the programme are to provide sufficient number of competent personnel with sufficient knowledge and skill in the area of Remote Sensing and GIS to cater the need of the present and future need of skilled people to analyze data and advance the science.

2. OBJECTIVES

The objectives of the Ocean Remote Sensing and GIS course are to support the environmental, social and economic well-being of the coast by linking people, information and technology. Linking coastal decision makers with relevant data and information derived from remote sensing technology through Product Development, Applied Research & Development.

3. ELIGIBILITY

A University degree with 50% or 5.5/10.00 or 2.2/4.0 marks in any of the



following subject combinations. Degree in Physics/ Geophysics / Geology /Mathematics/Computer application/ Environmental Sciences with GIS /B.E./ B. Tech in Civil Engineering/ Natural Sciences/Fishery and life Sciences.

Graduates with (+2 level Mathematics and Physics) /Biology/B.Sc. in Environmental Sciences/B.Sc. Natural Sciences can also be considered for admission.

4. ASSESSMENT AND STANDARDS OF PASSING

The evaluation of the students in a course shall be based on his/her performance in various examinations, term papers/assignments/student seminars/records/ case study and project reports. Assignment will be based on both internal and external evaluation.

5. NO. OF SEATS: 10

6. MODE OF SELECTION

The selection of the candidates will be on the basis of Entrance examination and previous academic performance. Candidates will be considered for admission only if they secure a minimum of 40% marks in the entrance examination. (The minimum mark is 30% for SC/ST candidates). The minimum mark will be subject to revision as per decision of the Admission Committee. The departmental/sponsored candidates can also apply and they should have at least 3 years' experience while applying.

7. EMPLOYMENT OPPORTUNITIES

This course is being offered only in very few institutions in India and hence, there is a dire dearth of manpower. Hence, the course has great relevance. The students can be employed in areas of space research, agriculture, forestry, water resources management, ocean studies, geoscience, ecosystem studies and environmental research. Nation needs skilled people to analyze data and advance the science. The course is designed to promote training and capacity building leading towards a global observation scheme for the Earth systems.

○ I. 2. (I) M.Sc. in Statistics

1. INTRODUCTION

Statistics has emerged as an important branch of Science and it helps in strengthening research in almost all disciplines of study. The M.Sc. in Statistics programme is designed in such a manner that it provides sound theoretical background for developing methods and procedures in applied areas. The students are trained to handle, independently, problems in modeling and analysis of data, optimal decision-making processes, planning and conduct of experiments and analyzing problems using statistical software.



2. OBJECTIVES

The primary objective of the course is to bring out trained hands in Statistics to serve in various research and development organizations in the country. The course is so planned to make the student a professional in Statistics so that he/she can serve as Statistician in industries as well as in R & D organizations. The students shall as well develop mathematical theory so as to suit different situations.

3. ELIGIBILITY

Regular Bachelor's degree with Statistics as main subject and Mathematics as Subsidiary (complementary) or Mathematics as main subject and Statistics as Subsidiary (complementary) or Triple main with Mathematics and Statistics as subjects, or its equivalent from a recognized University with minimum 55 % marks (50 % for SC / ST candidates).

4. ASSESSMENT AND STANDARDS OF PASSING

The course is offered under credit and semester system. The minimum credits required for the successful completion of the programme is 85. Out of the total, 73 credits will be for compulsory papers (including Dissertation / Project work) and 12 credits for elective papers. The elective courses are to be selected from a list of electives covering most recent developments in Statistics. There will be six papers in each of the first three semesters, and three papers and Dissertation work in the fourth semester. Each compulsory paper is of four credits and elective paper is of three credits. The evaluation of the students in a course shall be based on his/ her performance in various examinations, term papers/assignments/ student seminars/ practical records/ class participation and project reports. Assessment will be based on internal and external evaluation.

5. NO. OF SEATS: 10

6. MODE OF SELECTION

Through common entrance examination conducted by KUFOS.

7. EMPLOYMENT OPPORTUNITIES

The course provides opportunities as professionals in the related field such that he/she can serve as Statisticians, Consultants, Statistical Programmers, Data Analysts and Research Associates in various industries as well as in teaching and research institutions. Post graduates in Statistics shall enter into Indian Statistical Service; get jobs in Bureau of Economics and Statistics, Planning Departments of Government and industrial organizations and Actuaries in the insurance sector.



MBA Programmes

● I. 3. (a) MBA (Dual Specialisation)

1. INTRODUCTION

The Kerala University of Fisheries and Ocean Studies, Kochi offers two-year MBA programme with dual specialization from Finance, Marketing and Human Resource Management. The basic objective of the programme is to provide sufficient number of competent young personnel with the necessary knowledge and skill to man the executive positions in organizations engaged in industry, trade services and fisheries business. The degree is suited to a wide range of interests, but is particularly relevant to those who plan a career in organizations that conduct business beyond the boundaries of a country. For example, the MBA is relevant for those planning careers in multi-national companies; export-oriented firms, fisheries business, commercial banks & other financial institutions and public sector bodies. The MBA programme commenced in 2012.

2. OBJECTIVES

The main objective of the Master of Business Administration (MBA) programme is to prepare students to work in a management position in an ever-changing international environment where advanced technology and multicultural situations occupy an increasingly important place in the daily affairs of business firms. This Programme is aimed to develop professionals for the analytical and managerial skills required for a professional manager and to enrich them with adequate background of humanities and social values that would create an awareness of the social responsibility, necessary to enable him/her to play an effective role as manager for the benefit of the society. This programme exposes the students to key issues in business management, provides insight into relevant social, political, legal, and micro- and macro- economic conditions affecting national and international business.

3. SCOPE OF THE PROGRAMME:

The MBA Programme at KUFOS provides the students with an option to specialize in any two areas from Finance, Marketing and Human Resources Management during the second year of their course. It imparts diverse set of knowledge and skills to manage business & industry and exposes students to real world situation through case studies and industrial visits. Hence, it is a good training ground for budding



managers and entrepreneurs and adds value to a person's career, as the curriculum encompasses all that industry expects.

It is a four-semester two-year programme under the credit and semester system. There will be five modules in a paper. Each course will carry a maximum of 100 marks. The Elective courses will be offered in the 3rd and 4th Semesters. Out of the total marks 50% will be through continuous evaluation and the remaining 50% through external evaluation.

After the second semester, students have to undergo an organization study/internship for a stipulated period of time and based on their studies they have to prepare reports and also should present the same in a seminar. In the fourth semester, the students should undertake a major project/dissertation work preferably from the area of their specialization for a period of not less than 8 weeks and complete a project work. They have to present the findings of the study in a seminar and also prepare and submit a project report/dissertation to the University. Further, the students should appear for a comprehensive viva-voce as part of their fourth semester final examination.

4. ELIGIBILITY AND MODE OF ADMISSION

- (a) Graduates/Post-graduates in Science, Arts, Commerce or professional graduates from Indian/Foreign Universities recognized by KUFOS/UGC with a minimum of 50% marks or equivalent CGPA in aggregate in optional subjects under the system (10+2+3); (SC /ST candidates are eligible for 5% concession).
or
- (b) All professional graduates of State Agricultural Universities/Deemed Universities under the ICAR system with a minimum OGPA of 6.0/10.0 (5.5/10.0 for SC /ST Candidates).
- (c) Candidates awaiting their final results of the qualifying degree/marks can also apply for the MBA course, but they should have secured their qualifying marks before the commencement of the first semester examination. If they fail to do so their admission will be cancelled.
- d) Admission to the MBA programme is based on the score of:
 - i) KMAT (<http://www.kmatkerala.in/>) or
 - ii) CAT (<https://iimcat.ac.in/per/g01/pub/756/ASM/WebPortal/1/index.html?756@@1@@1#!>) or
 - iii) CMAT (http://www.aicte-cmat.in/College/Index_New.aspx/) and Group Discussion & Interview.

5. NO. OF SEATS: 35.

6. ASSESSMENT AND STANDARDS OF PASSING

The evaluation of the students in a course will be based on his/her performance in various examinations, term papers/assignments/ student seminars/ records/case study/student participation and project reports. Assessment will be based on both internal and external evaluation.

7. EMPLOYMENT OPPORTUNITIES

MBA Degree holder of KUFOS is well trained in the relevant areas of both Business and Industrial management in England, Ireland, Norway and post-graduation in Management Studies in England. Many have joined Indian Business Schools for their post-graduation, viz., Symbiosis Agribusiness School, Pune; VAMNICOM, Pune; FABS, Hyderabad, etc.



M.Tech. Programmes

○ I. 4. (a) M. Tech. in Coastal & Harbour Engineering

1. INTRODUCTION

Ports and harbours are the major development hubs all along the coastal zones of the world. India also has numerous ports and harbours along its extensive coastal zone. Many more ports and harbours are under development or being planned. Proper design, development and management of ports and harbours continue to be a challenging task considering the vagaries of the dynamic coastal and ocean environment and its adverse impacts on coastal morphology. Some of the present approach to control coastal erosion based on coastal engineering interventions has resulted in adverse impacts which calls for innovative and environment friendly designs.

2. OBJECTIVES

The M. Tech course in Coastal & Harbour engineering is expected to mold Coastal & Harbour Engineers with sufficient knowledge and expertise in the design of coastal structures, and port and harbours. It also provides the students with skills in the management of ports and harbours, and coastal erosion. Expertise in innovative methods for coastal engineering solutions for coastal erosion will also be acquired through the Course. The M. Tech course will be based on a sound knowledge of the science of coastal and marine processes.

3. ELIGIBILITY:

B.Tech. in Civil / Mechanical / Marine / Naval Arch. 60% preferably with GATE.

4. ASSESSMENT AND STANDARDS OF PASSING:

The evaluation of the students in the course shall be based on his/her performance in various examinations, term papers/assignments, seminars, records, project reports etc. Assessment will be based on both internal and external evaluation and viva-voce.

5. NO. OF SEATS: 15



6. **MODE OF SELECTION**

Through common entrance examination conducted by KUFOS.

7. **EMPLOYMENT OPPORTUNITIES**

Coastal & Harbour Engineers are required by port and harbour industry. They are also required by government and quasi-government organizations concerned with harbour development and management. Expertise of coastal engineers is also sought for coastal erosion control and coastal zone management. Environmental management authorities and organizations are also in need of experts in coastal and harbour engineering.

○ I. 4. (b) M. Tech. in Integrated Coastal Zone Management

1. **INTRODUCTION**

The coastal zone contains many of the Earth's most complex diverse and productive ecological systems. Many coastal zones face problems of deterioration of their natural, socio-economic and cultural resources. To improve the situation in the area, an Integrated Coastal Zone Management is essential for our coastal zone. This course provides principles and tools in Integrated Coastal Zone Management. It will allow students to develop the skills in the management of coastal zones by examining the available technical and analytical frameworks.

2. **OBJECTIVES**

The objective of the programme is to provide sufficient number of competent personal with knowledge and skill in the area of Integrated Coastal Zone Management to cater the need of the present and future. The need of skilled people is required to analyze the information in ecological systems and to improve well-being of coastal population.

3. **ELIGIBILITY:**

B.Tech/B.E. in Integrated Coastal Zone management/ Civil Engineering/ Mechanical Engineering/ Environmental Engineering/ Harbour Engineering/ Coastal Engineering, M.Sc. in Marine geology/Geoscience, Geophysics, Marine biology & Oceanography (Basic Engineering Mathematics must have been Studied in Degree or Masters Level). A minimum mark of 60% is required for the qualifying degree.

4. **ASSESSMENT AND STANDARDS OF PASSING:**

The evaluation of the students in a course shall be based on his/her performance in various examinations, term papers/assignments, seminars, records, project reports etc. Assessment will be based on both internal and external evaluation and viva-voce.

5. **NO. OF SEATS: 6**

6. **MODE OF SELECTION**

Through common entrance examination conducted by KUFOS



7. EMPLOYMENT OPPORTUNITIES

After the completion of the course students will understand the need of sustainable development in coastal zones. Hence, they will be able to work as practitioners in implementing coastal zone management strategy. They will get jobs in national and international centers related to ocean studies, which diagnose the problems in coastal zones and provide diverse information in this regard.

○I. 4. (c) M.Tech. in Ocean And Coastal Safety Engineering.

1. INTRODUCTION

All activities including port and vessel operation, fishery and oil and natural gas drilling in the marine and coastal environment are quite often prone to accidents. Cyclones, storm surges, monsoon waves and tsunami are hazardous to coastal and marine systems. Life and property in the coastal and marine areas are always under threat due to the forces from the sea. Management of marine accidents and coastal and marine hazards through technological and social intervention to ensure coastal and marine safety is very important for coastal and marine area development.

2. OBJECTIVES

The M. Tech Course in Ocean and Coastal Safety Engineering proposes to impart knowledge on coastal and marine processes that lead to coastal and marine hazards and accidents. It aims to develop expertise in coastal and marine safety engineering for implementing measures to prevent coastal and marine accidents and manage mitigation measures through technological and social interventions. Skill development for technological interventions for the safety of fishery related activities, and management of coastal erosion and flooding also form part of the major objectives of the course.

3. ELIGIBILITY:

B. Tech in Marine Engineering / Civil / Mechanical / Safety & Fire / EEE / Naval Arch / 60% marks preferably with GATE/NET.

4. ASSESSMENT AND STANDARDS OF PASSING:

The evaluation of the students in the course shall be based on his/her performance in various examinations, term papers/assignments, seminars, records, project reports etc. Assessment will be based on both internal and external evaluation and viva-voce.

5. NO. OF SEATS: 10

6. MODE OF SELECTION:

Through common entrance examination conducted by KUFOS.

7. EMPLOYMENT OPPORTUNITIES:

Coastal and Marine Safety Engineers are in demand in all types of coastal and marine industry and port and harbor. Environmental and disaster management authorities and organizations are also in need of experts in Coastal and marine safety.



Ph.D. Programmes

III. Ph.D. Programmes

Doctoral degree programmes leading to Ph.D. are being offered by the four Faculties. The Faculties are

1. Faculty of Fisheries Science.

- a) Dept of Aquaculture
- b) Dept. of Aquatic Animal Health Management
- c) Dept. of Aquatic Environment Management
- d) Dept. of Fish Processing Technology
- e) Dept. of Fisheries Resource Management

2. Faculty of Ocean Science and Technology.

3. Faculty of Fisheries Management.

In the Area of

- a) Management
- b) Economics
- c) Law
- d) Physical Education



4. Faculty of Fisheries Engineering.

ELIGIBILITY:

Faculty of Fisheries Science

Masters degree in the respective / related discipline recognized by Kerala University of Fisheries and Ocean Studies with an OGPA of 7.0/10.0 (In the case of SC/ST candidates, an OGPA of 6.5/10.0).

Faculty of Ocean Science and Technology, Faculty of Fisheries Management and Faculty of Fisheries Engineering

Masters degree in the respective / related discipline recognized by Kerala University of Fisheries and Ocean Studies with 50% marks (45% in case of SC and ST candidates).

MODE OF SELECTION:

Through the Common Entrance Examinations conducted by KUFOS.



Post-Doctoral Fellowship

III. Post - Doctoral Fellowship Programmes (Applications will be invited separately)

1. INTRODUCTION

The prestigious KUFOS Post-Doctoral Fellowship Programme (PDF) was instituted in the Academic year 2018-19 in order to stimulate the research and to utilize the available intellects who can conduct quality research in emerging areas of Fisheries and Ocean Science through cutting edge technology for the benefit of the society. Post-doctoral fellowships are proposed under the following Faculties:

1. Faculty of Fisheries Science
2. Faculty of Ocean Science and Technology
3. Faculty of Fisheries Management
4. Faculty of Fisheries Engineering

2. ELIGIBILITY:

The candidate must have a doctorate degree in the relevant subject preferably with published research work to their credit. In case of general/open category, 55% marks at UG level and 60% of marks at PG level. For reserved categories (SC/ST/OBC/PH), 50% at UG level and 55% at PG level. The upper age limit for applicants is 35 years belonging to general/open category and 40 years for SC/ST/OBC/PH/Minority communities, as on 1st July on the year of application.

3. NO. OF SEATS: 8

4. MODE OF SELECTION:

The applications received will be scrutinized by the screening committee and the short-listed candidates will be called for interview. The selection will be based on the research aptitude, research experience and the proposal of the candidate.

5. FELLOWSHIP: The fellowship carries an amount of R. 42000/- (consolidated).

6. DURATION: For one year period, can be extended up to 2 years based on the performance of the candidate and/or research needs of the University.



Under-graduate Programmes

IV. (a). Bachelor of Fisheries Science (B.F.Sc.)

1. INTRODUCTION:

Bachelor of Fishery Science is a premier course offered by KUFOS for under-graduate students. The course caters to the need to growing fisheries sector. The syllabus and course content is of 4 year (8 Semester) with 172 credits including industrial and rural work experience. Bachelor of Fisheries Science degree programme has been designed at par with premier institutes of the country perceiving the present need and future requirements of trained manpower in Fishery Industries. The major disciplines in the Course include Fisheries Biology, Aquaculture, Fish Processing Technology and Microbiology, Fisheries Engineering, Fisheries Resources, Economics, Statistics, Extension Education and Fisheries Hydrography. A comprehensive industrial & rural work experience of one year duration forms an integral part of the curriculum and is intended to provide practical hands-on experience in the various aspects of Fisheries and allied industry processes. Provision has also been made in the syllabus for field visits, educational tours to cover syllabus related to Marine Fisheries and Brackish water Fisheries.

2. ELIGIBILITY / SELECTION CRITERIA FOR ADMISSION:

Basic qualification for the course is XII Std. Candidates who have passed Higher Secondary examination of the Board of Higher Secondary Education, Kerala, or examinations recognized equivalent thereto, with 50% marks in Biology separately, and 50% marks in Physics, Chemistry and Biology put together, are eligible. Biotechnology will not be considered as a subject for academic eligibility. Those students who qualify National Eligibility cum Entrance examination (NEET - UG) administered by the National Testing Agency for Medical stream shall be allotted for admission to B.F.Sc. course, if opted by the candidate, by the Commissioner for Entrance Examinations, Kerala (www.cee.kerala.gov.in), based on their KEAM/NEET rank. For online application click <https://cee.kerala.gov.in/main.php>.

3. SEATS AND RESERVATIONS

Total seats for B.F.Sc. Program are 80. Mandatory reservation to the eligible communities shall be maintained by the Commissioner for Entrance



Examinations (CEE), Kerala, as allotment of candidates is made by the CEE. 15% seats are reserved as ICAR quota (<https://education.icar.gov.in/Home.aspx>) for those candidates who qualify the All-India Entrance Examinations conducted by the Indian Council of Agricultural Research (ICAR), New Delhi. 20% of seats are reserved for candidates belonging to 'Children of Fishermen' category. They shall upload the relevant certificate while they register in KEAM.

Please visit www.cee.kerala.gov.in

Code	COF		BFSc	Course	Code	AF
Total: 80	Open	46	ICAR	12	COF	16

IV. (b). Bachelor of Technology (B. Tech.) - Food Technology

1. INTRODUCTION

Food is one of the basic necessities for survival. Providing food security to the teeming millions is a day-to-day challenge that developing countries are facing today. The study and application of food technology principles would enable us to combat such difficult situations. In an era of increasing population, decreasing energy sources and increasing poverty, it is imperative that appropriate technology, with an aim towards providing food security, be developed. Applications in the realm of food production, processing and preservation could help transform the economic and cultural structure of developing nations across the globe.

2. OBJECTIVES

Food Technology is the key to the conversion of raw agricultural materials into a wide variety of properly processed and preserved foods; thus, contributing to the well-being, economy, standard of living, and progress of humanity. This course acquaints the student with the basic scientific understanding of foods and food processing as determined through biochemistry, microbiology, and other sciences. Train manpower in Food Science, Food Technology, Nutrition, Engineering, Business Management and Product Development to meet demand of rapidly increasing food-based industries.

3. ELIGIBILITY/SELECTION CRITERIA FOR ADMISSION:

Candidates who have passed Higher Secondary Examination, Kerala, or Examinations recognized as equivalent thereto, with 50% marks in Mathematics separately, and 50 % marks in Mathematics, Physics and Chemistry put together, are eligible for admission. In case, the candidate has not studied Chemistry, the marks obtained in Computer Science shall be considered. In case, the candidate



has not studied Chemistry and Computer Science, the marks obtained in Biotechnology shall be considered. In case, the candidate has not studied Chemistry, Computer Science and Biotechnology, the marks obtained in Biology shall be considered. The marks as shown in the mark list of the Board of Examination obtained from the respective Higher Secondary Board shall be considered for academic eligibility.

Students who have been ranked in the Kerala Engineering Agriculture Medical (KEAM) degree examination for Engineering stream conducted by the Commissioner of Entrance Examination, Kerala (www.cee.kerala.gov.in) shall be admitted based on their KEAM rank. For online application click, <https://cee.kerala.gov.in/main.php>

Note:

- (I) In two year, Kerala Higher Secondary courses or examinations recognized equivalent thereto with two-year course where the Board Examinations are conducted in both years, the total marks of two years in the respective subjects as shown in the mark lists of the respective Higher Secondary Boards will be considered for academic eligibility.
- (ii) In Higher Secondary courses or examinations recognized equivalent thereto where Board Examinations are conducted only at the end of 12th std (final year), the marks in the respective subjects as shown in the mark lists of the respective Higher Secondary Boards will be considered for academic eligibility.
- (iii) For all other type of Higher Secondary courses or examinations recognized equivalent thereto, the marks of the respective subjects as shown in the mark list of the respective Board of Examinations will be considered for academic eligibility.
- (iv) The Vocational Higher Secondary Examination, Kerala, has been recognized as equivalent to the Higher Secondary Examination, Kerala.
- (v) In the case of nominees of Government of India and nominees of reciprocal quota seats who are selected on the basis of the marks in the qualifying examination, the academic eligibility as specified in clause 7.2.3 is applicable.

4. SEATS AND RESERVATIONS

Total seats for B.Tech Food Technology Program are 48. (40+8), which include mandatory reservation to the eligible communities include 8 seats for candidates belonging to 'Children of Fishermen' category. In addition, 2 supernumerary seats for NRI/PIO/OIC. (Acad1/7268/NRI/2017 dt.31.07.2018)

Please visit www.cee.kerala.gov.in

Code	COU		BTech	Course	Code	FT
Total: 48	KEAM	40	COF	8	NRI	2 SN



Diploma Programmes

○ V. (a) Diploma in Brackish Water and Marine Aquaculture (Applications will be invited separately)

1. INTRODUCTION

KUFOS has conducting Diploma course in Brackish Water and Marine Aquaculture at its Fisheries Station, Puduveypu. It is a one year course with two semesters.

2. OBJECTIVE:

Dearth of skilled human power in the low middle level management is major problem faced by the fisheries sector. The main objective of the course is to address this problem to some extent by providing sufficient young personnel with necessary knowledge and skill.

3. ELIGIBILITY:

Pass in Plus Two or VHSE with Biology as one of the subject.

4. COURSE DURATION:

One year course with two semesters.

6. NO. OF SEATS: 20

7. JOB OPPORTUNITIES

The course has job opportunities in the aquaculture farms and hatcheries operated in the public and private sector for low and middle level management and in technical posts in fisheries research organizations in various projects.



P.G.Diploma Programmes

○ VI. (a) P.G. Diploma in Aquarium Science and Technology (Applications will be invited separately)

1. INTRODUCTION

It is a one-year programme providing comprehensive training on all aspects of setting up, monitoring and maintenance of aquaria, covering fresh water as well as marine units.

2. OBJECTIVE:

The curriculum content is designed to meet requirements of new entrepreneurs, equipping them to initiate business ventures in trade and marketing of aquarium products, setting up of house hold aquariums to meet domestic demands, setting up of medium scale aquaria for hotels and other establishments. sale of aquarium accessories, breeding of ornamentals and sale of seeds to farmers, rearing of ornamentals to marketable sizes, sale of fish feeds both live and formulated, and taking up of AMC of aquaria.

3. ELIGIBILITY: Graduation in any science discipline.

4. COURSE DURATION: 1 year (2 Semesters)

5. ATTENDANCE: As per regulations

6. NO. OF SEATS: 20

7. JOB OPPORTUNITIES

Placement avenues of the successful candidates include areas such as existing aquarium trade houses, Aqua-parks, Dolphinarium, Oceanaria and Agricultural banks and aqua ventures of any type - in view of the expertise in live feed culture, formulated feeds, captive breeding and rearing of fish.



● VI. (b) P.G. Diploma in Industrial Aquaculture (Applications will be invited separately)

1. INTRODUCTION

KUFOS is conducting the P.G. Diploma Course in “Industrial Aquaculture” at Fisheries Station, Puduveypu. It is a one-year course with two semesters.

2. OBJECTIVE

The objective of the course is to address the problem “Dearth of skilled human power in the low and middle level management in the fisheries sector”.

3. ELIGIBILITY

B.Sc. Degree in any Biological subjects including Botany, Zoology, Fisheries, and Biotechnology etc.

4. COURSE DURATION: 1 year (2 Semesters)

5. ATTENDANCE: As per regulations

6. NO. OF SEATS: 20

7. JOB OPPORTUNITIES

Placement avenues of the successful candidates include areas such as existing aquacultural farms, hatcheries, aquarium trade houses, Aqua-parks, Dolphinarium, Oceanaria and Agricultural banks and aqua ventures of any type - in view of the expertise in live feed culture, formulated feeds, aqua farming, captive breeding and hatchery production.

● VI. (c) P.G. Diploma in Maritime Law (Applications will be invited separately)

1. INTRODUCTION

There has been an increasing awareness as the importance of this branch of law, i.e., Maritime Law, known earlier as “Admiralty Law” in India and elsewhere especially in the context of increased maritime activities due to economic and trade liberalization. Many times, we, in India found ourselves in an embarrassing position when we are confronted with maritime legal issues in situation such as determination of maritime frontiers of boundaries, exploitation of deep-sea bed resources, maritime jurisdictional issues, and protection against maritime pollution and preservation of marine biological diversity, activities of shipping and related trades and maritime safety and security. On such occasion, we find a dearth of well trained and qualified lawyers, administrators and other experts



in the field of law, whether to advice the government, business institutions or to defend our interest in the cases arising out of maritime issues. It in this background, Department of legal studies in KUFOS has started this diploma course, which will provide opportunities to seek employment in maritime centers and institution and also provide continuing education for those who are already employed in such centers

2. COURSE DURATION: 1 year (2 Semesters)

3. NO. OF SEATS: 10 (revised from time to time)

4. ELIGIBILITY

Candidate who passed the L.L.B. Degree Examination of any University in the state of Kerala or of any other University recognized as equivalent are eligible for admission.

5. ADMISSION

Admission to the diploma course shall be made only on the basis of qualifying marks and the marks for interview.

6. FEES: As per regulations

7. ATTENDANCE: As per regulations

8. EMPLOYMENT OPPORTUNITY

For the products of the Diploma course in Maritime Law, there is ample scope for employment in maritime centers like Ports, Shipyards and other maritime institutions and government sectors as administrators, law officers and advisers in maritime legal issues.



Certificate Courses

● VII.(a) Certificate Course on Computer Aided Designing and Drafting (CADD) (Applications will be invited separately)

1. INTRODUCTION

CADD-Computer Aided Designing and Drafting is used to accomplish preliminary design and layouts, design details and calculations, designing and analysis of 3-D models, marketing, manufacturing, and end-user personnel. CADD facilitates the manufacturing process by transferring detailed information about a product in an automated form that can be universally interpreted by professionals. It can be used to design either two-dimensional or three-dimensional objects.

2. OBJECTIVES

Certificate Course on Computer Aided Designing and Drafting will enable the students to acquire technical skill in modern drafting and prints. Will give exposure of design and modelling of real-life complex objects, machine parts and other accessories with the support of modern drawing software. Programme includes visual guideline and understanding of designed objects, cultivation of developing detailed cross sectional and structural views and designing tool for research activities.

3. ELIGIBILITY

ITI/Diploma/B.Tech./B.F.Sc./M.F.Sc/M.Sc./M.Tech./MBA/Ph.D in Engineering or Science (on-going students can also apply for this course).

4. COURSE DURATION: 8 weeks (4 hours per week)

5. NO. OF SEATS: 20 students per batch



6. JOB OPPORTUNITIES

This course is essential for those who are involved as design engineers, draftsmen, research engineers, project engineers, scientists, young professionals, management trainees and research scholars etc. in the fields of industrial engineering, infrastructure development, product designing, production engineering, Research & Development, manufacturing technology and those working in government funded or sponsored projects. The course is a key tool for both science and engineering graduates. Nowadays, this course is proving to be inevitable in medical, agriculture, marine, coastal & harbour, food technology and food science fields. It is also a stepping stone for entrepreneurs to start new businesses.

7. COURSE FEE:

The course fee is Rs. 5500/- and for KUFOS students fee will be Rs.4500/-

• VII.(b) Certification Programme on Entrepreneurship Development (Applications will be invited separately)

1. INTRODUCTION

Role of entrepreneurs is significant in the economic development of our country and they contribute a major share of our GDP and focus towards nation building. The present programme covers theoretical and practical aspects on the subject and exposure to different areas of specialization in agri-business, currently undertaken by KUFOS.

2. OBJECTIVES

The curriculum is designed to meet the requirements of new and aspiring entrepreneurs, equipping them to initiate business ventures in food processing and preservation, fish processing and aquaculture.

3. ELIGIBILITY

Candidates who have passed Higher Secondary Examination of the Board of Higher Secondary Education Kerala or examinations recognized equivalent thereto, are eligible.

4. COURSE DURATION: Two weeks

5. COURSE FEE: Rs. 5000/-

6. NO. OF SEATS: 30

7. JOB OPPORTUNITIES

Initiating, developing and establishing own business in the MSME sector



ANNEXURE II

Fees structure (As per Acad (1)/10282/2017(2) dated 16.04.2021)

M.F.Sc. programmes

		Amount (Rs.)				
Sl. No	Item	First semester	Second semester	Third semester	Fourth semester	Total
1	Admission fee	300	0	0	0	300
	Caution Deposit	3000	0	0	0	3000
2	Tuition fee(per semester)	14,640	14,640	14,640	14,640	58,560
3.	Special Fee :					
	Library fee (annual)	0	1000	0	1000	2000
	Stationery fee (annual)	0	1000	0	1000	2000
	Magazine fee (annual)	0	500	0	500	1000
	Athletic/Sports/Games fee (per semester)	250	250	250	250	1000
	Association fee(per semester)	100	100	100	100	400
	University Union fee (per semester)	250	250	250	250	1000
	Computer fee (per semester)	500	500	500	500	2000
	Insurance premium (annual)	118	0	118	0	236
4.	Dissertation/Viva-voce	-	-	-	2000	2000
	Semester Examination fee	1000	1000	1000	-	3000
Total		20,158	19,240	16,858	20,240	76,496



M.Sc. Programmes (other than M.Sc. Statistics)

		Amount (Rs.)				
Sl. No	Item	First semester	Second semester	Third semester	Fourth semester	Total
1	Admission fee	10,000	0	0	0	10,000
	Caution Deposit	5000	0	0	0	5000
2	Tuition fee(per semester)	27,500	27,500	27,500	27,500	1,10,000
3.	Special Fee :					
	Library fee (annual)	0	1000	0	1000	2000
	Stationery fee (annual)	0	1000	0	1000	2000
	Magazine fee (annual)	0	500	0	500	1000
	Athletic/Sports/Games fee (per semester)	250	250	250	250	1000
	Association fee(per semester)	100	100	100	100	400
	University Union fee (per semester)	250	250	250	250	1000
	Computer fee (per semester)	1000	1000	1000	1000	4000
	Insurance premium (annual)	118	0	118	0	236
4	Dissertation/Viva-voce	-	-	-	2000	2000
	Semester Examination fee	2000	2000	2000	-	6000
Total		46,218	33,600	31,218	33,600	1,46,636



M.Sc. Statistics

		Amount (Rs.)				
Sl. No	Item	First semester	Second semester	Third semester	Fourth semester	Total
1	Admission fee	10,000	0	0	0	10,000
	Caution Deposit	5000	0	0	0	5000
2	Tuition fee(per semester)	22000	22000	22000	22000	88,000
3.	Special Fee :					
	Library fee (annual)	0	1000	0	1000	2000
	Stationery fee (annual)	0	1000	0	1000	2000
	Magazine fee (annual)	0	500	0	500	1000
	Athletic/Sports/Games fee (per semester)	250	250	250	250	1000
	Association fee(per semester)	100	100	100	100	400
	University Union fee(per semester)	250	250	250	250	1000
	Computer fee (per semester)	1000	1000	1000	1000	4000
	Insurance premium (annual)	118	0	118	0	236
4	Dissertation/Viva-voce	-	-	-	2000	2000
	Semester Examination fee	2000	2000	2000	2000	8000
Total		40,718	28,100	25,718	30,100	1,24,636



MBA Programmes

		Amount (Rs.)				
Sl. No	Item	First semester	Second semester	Third semester	Fourth semester	Total
1	Admission fee	10,000	0	0	0	10,000
	Caution Deposit	5000	0	0	0	5000
2	Tuition fee(per semester)	27,500	27,500	27,500	27,500	1,10,000
3.	Special Fee :					
	Library fee (annual)	0	1000	0	1000	2000
	Stationery fee (annual)	0	1000	0	1000	2000
	Magazine fee (annual)	0	500	0	500	1000
	Athletic/Sports/Games fee (per semester)	250	250	250	250	1000
	Association fee(per semester)	100	100	100	100	400
	University Union fee(per semester)	250	250	250	250	1000
	Computer fee (per semester)	1000	1000	1000	1000	4000
	Insurance premium (annual)	118	0	118	0	236
4	Dissertation/Viva-voce	-	-	-	2000	2000
	Semester Examination fee	2000	2000	2000	2000	8000
Total		46,218	33,600	31,218	35,600	1,46,636



M.Tech. Programmes

		Amount (Rs.)				
Sl. No	Item	First semester	Second semester	Third semester	Fourth semester	Total
1	Admission fee	10000	0	0	0	10000
	Caution Deposit	5000	0	0	0	5000
2	Tuition fee(per semester)	33000	33000	33000	33000	1,32,000
3.	Special Fee :					
	Library fee (annual)	0	1000	0	1000	2000
	Stationery fee (annual)	0	1000	0	1000	2000
	Magazine fee (annual)	0	500	0	500	1000
	Athletic/Sports/Games fee (per semester)	250	250	250	250	1000
	Association fee(per semester)	100	100	100	100	400
	University Union fee (per semester)	250	250	250	250	1000
	Computer fee (per semester)	1000	1000	1000	1000	4000
	Insurance premium (annual)	118	0	118	0	236
4	Dissertation/Viva-voce	-	-	-	2000	2000
	Semester Examination fee	2000	2000	2000	-	6000
Total		51,718	39,100	36,718	39,100	1,66,636



The above fee is prescribed for the students who secure admission during the academic year 2020-21
In addition, the following fees are also fixed from the academic year 2020-21 onwards for all batches.

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Sl.No.	Item	Amount(in Rs.)
1	Late registration of semester	
	(i) within 7 working days from the last date of registration	500
	(ii) beyond 7 working days and within 15 working days	1000
2	Duplicate Identity Card	250
3	Comprehensive Examination fee (only for MFSc.)	650
4	Late fee for submission of thesis PG	500
5	Re - Examination/Repeat Examination (per paper)	450
6	Revaluation (per paper)	500

II. Certificates:

Item	Amount (in Rs.)
Master's Degree Certificate	1,500
Provisional degree Certificate	300
Transcript for PG courses	2000
For issuing Certificates or copies of documents authenticated by the Registrar for transmission to foreign Universities (per copy)	500
For issuing certified extracts from the records of the University	200
Migration Certificate	400
Rank Certificate	150
Duplicate Certificate , excluding postage charges	1000
Equivalency Certificate	500
Certificate other than mentioned above	200

III. Hostel Fees

Sl. No	Description	Fee (in Rs.)
1	Caution deposit at the time of admission to Ladies & Men's Hostels and Converted Quarters for all students irrespective of course	2,000
2	Hostel rent for UG students at the Ladies & Men's Hostels	1,800 per semester including electricity and water charges
3	Hostel rent for PG students at the Ladies & Men's Hostels	2,400 per semester including electricity and water charges
4	Rent for PG students at the Converted Quarters	3,000 per semester including electricity and water charges
5	Guest charges at the Ladies / Men's Hostels	40 per day with prior permission of the Asst. Warden of the respective Hostel

The Dean of Faculties /Heads of Departments/Faculty Coordinators shall ensure that no student is attending the classes without registering the respective semester by remitting prescribed fees. Hostel inmates shall remit hostel rent along with semester fees.



Ph.D Programmes

Amount (Rs.)						
Sl. No	Item	1 st Semester	2 nd , 4 th , 6 th & 8 th Semesters	3 rd , 5 th , 7 th & 9 th Semesters	10 th Semester	Total
1	Admission fee	500	0	0	0	500
	Caution Deposit **	3000	0	0	0	3000
2	Tuition fee (per semester)	16335	16335	16335	16335	1,63,350
3	Special fee :					
	Library fee(annual)	450	450	450	450	4500
	Stationary fee (annual)**	450	450	450	450	4500
	Athletics/Sports /games fee (per semester)**	250	250	250	250	2500
	Association fee (per semester)**	100	100	100	100	1000
	Magazine fee (annual)	0	500	0	500	2500
	University Union fee (per semester)**	250	250	250	250	2500
	Computer fee (Per semester)**	500	500	500	500	5000
	Insurance premium (annual)**	118	0	118	0	590
4	Dissertation/Viva Voce	-	-	-	2000	2000
	DC Meeting for 6 months review	1000	1000	1000	1000	10,000
	Total (for Ph.D Scholars admitted at KUFOS)	22,953	19,835	19,453	21,835	2,01,940
	Total (for Ph.D Scholars admitted at approved research centre)	18,285	18,285	17,785	20,285	1,82,850

** Ph.D Research Scholars at approved Research Centers are exempted from remitting these fees

The above fees are applicable for Ph.D Scholars who secure admission during the academic year 2021-22.

Vide reference cited (4), the semester for Ph.D course will be from 1st December to 31st May and from 1st June to 30th November each year. The last date for payment of fee for Ph.D Scholars for each semester without fine will be on 5th December and 5th June with fine of 10% of semester fee for next fifteen days. Further delay in remitting fee will be considered only on payment of super fine of Rs. 5000/- and require re-registration.

The following fees are applicable for Ph.D Scholars of all the ongoing batches:

**Other fees:****I**

Sl.No	Item	Amount (in Rs.)
1	Late fee for submission of thesis	Rs.1500/-
2	Fee for extending time for submission of thesis	Up to six months : Rs.1500 Beyond six months :Rs.2500
3	Conversion of Ph.D registration from full time to part time and vice versa	Rs.1000
4	Change in Title	Rs.1000
5	Comprehensive Examination fee	Rs.1500

II. Certificates:

Item	Amount (in Rs.)
Doctorate Degree Certificate	2,000
For issuing Certificates or copies of documents authenticated by the Registrar for transmission to foreign Universities (per copy)	500
For issuing certified extracts from the records of the University	200
Migration Certificate	400
Rank Certificate	150
Duplicate Certificate , excluding postage charges	1000
Equivalency Certificate	500
Certificate other than mentioned above	200

III. Hostel Fees

Sl. No	Description	Fee (in Rs.)
1	Caution deposit at the time of admission to Ladies & Men's Hostels and Converted Quarters for all students irrespective of course	2,000
2	Hostel rent for UG students at the Ladies & Men's Hostels	1,800 per semester including electricity and water charges
3	Hostel rent for PG students at the Ladies & Men's Hostels	2,400 per semester including electricity and water charges
4	Rent for PG students at the Converted Quarters	3,000 per semester including electricity and water charges
5	Guest charges at the Ladies / Men's Hostels	40 per day with prior permission of the Asst. Warden of the respective Hostel



B.F.Sc. Programme

		Amount (Rs.)			
Sl. No	Item	1 st Semester	2 nd , 4 th , 6 th and 8 th Semesters	3 rd , 5 th and 7 th Semesters	Total
1	Admission fee	100	0	0	1 00
	Caution Deposit	1000	0	0	1000
2	Tuition fee* (per semester)	7320	7320	7320	58560
3	Special fee:				
	Library* fee(annual)	200	200	200	1,600
	Stationary fee* (annual)	200	200	200	1600
	Athletics/Sports /games fee* (per semester)	100	100	100	800
	Association fee* (per semester)	100	100	100	800
	Magazine fee (annual)	200	0	200	800
	University Union fee* (per semester)	100	100	100	800
4	Computer fee* (Per semester)	500	500	500	4000
	Insurance premium (annual)	118	0	118	472
	Semester Examination fee*	500	500	500	4000
Total		10438	9020	9338	74532



B.Tech. Food Technology

Sl. No	Item	Amount (Rs.)			
		1 st Semester	2 nd , 4 th , 6 th and 8 th Semesters	3 rd , 5 th and 7 th Semesters	Total
1	Admission fee	10,000	0	0	10,000
	Caution Deposit	5000	0	0	5000
2	Tuition fee*(per semester)	33000	33000	33000	2,64,000
3	Special fee				
	Library fee* (per semester)	500	500	500	4000
	Stationery fee *(per semester)	500	500	500	4000
	Athletic/Sports/Games fee *(per semester)	250	250	250	2000
	Association fee*(per semester)	100	100	100	800
	Magazine fee (annual)	500	0	500	2000
	University Union fee*(per semester)	250	250	250	2000
4	Computer fee* (per semester)	1,000	1,000	1,000	8,000
	Insurance premium (annual)	118	0	118	472
	Semester Examination fee*	2,000	2,000	2,000	16,000

(* To be remitted in every semester)



The above fee is prescribed for the students who secure admission during the academic year 2020-21
In addition , the following fees are also fixed from the academic year 2020-21 onwards for all batches.

I

Sl.No.	Item	Amount(Rs.)
1	Late registration of semester	
	(i) within 7 working days from the last date of registration	500
	(ii) beyond 7 working days and within 15 working days	1000
2	Duplicate Identity Card	250
3	Re - Examination/Repeat Examination (per paper)	450
4	Revaluation (per paper)	500

II Certificates:

Item	Amount (in Rs.)
Bachelor's Degree Certificate	1,000
Provisional degree Certificate	300
Transcript for UG courses	200
For issuing Certificates or copies of documents authenticated by the Registrar for transmission to foreign Universities (per copy)	500
For issuing certified extracts from the records of the University	200
Migration Certificate	400
Rank Certificate	150
Duplicate Certificate , excluding postage charges	1000
Equivalency Certificate	500
Certificate other than mentioned above	200

III .Hostel Fees

Sl. No	Description	Fee (in Rs.)
1	Caution deposit at the time of admission to Ladies & Men's Hostels and	2,000
	Converted Quarters for all students irrespective of course	
2	Hostel rent for UG students at the Ladies & Men's Hostels	1,800 per semester including electricity and water charges
3	Hostel rent for PG students at the Ladies & Men's Hostels	2,400 per semester including electricity and water charges
4	Rent for PG students at the Converted Quarters	3,000 per semester including electricity and water charges
5	Guest charges at the Ladies / Men's Hostels	40 per day with prior permission of the Asst. Warden of the respective Hostel

The Dean of Faculties /Heads of Departments/Faculty Coordinators shall ensure that no student is attending the classes without registering the respective semester by remitting prescribed fees. Hostel inmates shall remit hostel rent along with semester fees.



ANNEXURE III

RESERVATION OF SEATS-COMMUNITY RESERVATION

Category	Sub category	Reservation of seats
Kerala Scheduled Castes & Scheduled Tribes (Kerala State only)		10%
	Kerala-Scheduled Castes (SC)	8%
	Kerala-Scheduled Tribes (ST)	2%
Socially and Educationally Backward Classes (SEBC)		30%
	Ezhava (EZ)	9%
	Muslim (MU)	8%
	Other Backward Hindu (BH)	3%
	Latin Catholic and Anglo Indian (LC-AI)	3%
	Dheevera and related communities (DV)	2%
	Viswakarma and related communities (VK)	2%
	Pot-making castes (KN)	1%
	Other Backward Christian (BX)	1%
	Kudumbi (KU)	1%
Economically Weaker Section (EWS) in General category in the state of Kerala. (Acad. 1/2376/2020 dated 16.10.2020)		
	State Merit Seats	60%
	Economically Weaker Section (EWS)	10%



Name of the course	Total Gen seats* seats	Number of Reservation seats												
		(SC) 8	(ST) 2	(EZ) 9	(MU) 8	(BH) 3	LC-AI (DV)	(VK) 2	(KN) 1	(BX) 1	(KU) 1	(EWS) 10 % of Gen.		
Reservation in percentage														
M.F.Sc. in Aquaculture	6	3	-0.08	0.24	0.68	0.36	0.72	-0.28	0.4	0.16	0.08	0.18	0.08	0.3
M.F.Sc. in Aquatic Animal Health Management	6	2	-0.44	0.36	0.64	0.48	0.18	0.22	0.28	0.24	0.12	0.12	0.12	0.5
M.F.Sc. in Aquatic Environment Management	6	4	0.06	0.12	-0.3	1.02	-0.2	0.32	-0.48	0.12	0.06	0.1	0.06	-0.2
M.F.Sc. in Fish Nutrition and Feed Technology	4	2	0.96	0.16	0.4	-0.72	0.6	0.6	0.4	0.16	0.08	0.08	0.08	0.2
M.F.Sc. in Fish Processing Technology	6	3	0.92	0.48	1.32	1.34	-0.84	0.54	-0.72	-0.68	0.36	0.36	0.18	0.3
M.F.Sc. in Fisheries Engineering and Technology	4	2	0.32	0.36	0.42	0.32	-0.74	0.22	-0.24	-0.4	0.3	0.26	0.12	0.2
M.F.Sc. in Fisheries Extension	4	2	0.32	0.08	0.36	0.32	0.12	0.12	0.08	0.08	0.04	0.04	0.04	0.2
M.F.Sc. in Fisheries Resource Management	6	3	-0.4	0.24	0.72	0.66	-0.64	-0.1	0.24	-0.52	0.24	0.16	0.06	0.6
M.Sc. in Applied Geology	10	6	0.8	0.2	0.9	0.8	0.3	0.3	0.2	0.2	0.1	0.1	0.1	-
M.Sc. in Biotechnology	15	9	1.2	0.3	2.35	0.6	0.45	0.45	-0.1	0.3	0.15	0.15	0.15	-
M.Sc. in Climate Science	10	6	0.6	0.4	-0.2	1.6	-0.4	0.6	0.4	0.4	0.2	0.2	0.2	-
M.Sc. in Disaster Management	10	5	0.6	0.4	0.8	0.6	0.6	0.6	-0.6	0.4	0.2	0.2	0.2	1
M.Sc. in Environmental Sciences	15	8	0.6	0.8	1.4	-0.4	0.45	0.45	-0.1	0.9	0.45	0.45	0.35	1.65
M.Sc. in Food Science and Technology	25	15	2.00	0.5	2.25	2.00	0.75	0.75	-0.5	0.5	1.25	0.25	0.25	-
M.Sc. in Marine Biology	25	15	2.00	1	2	1.75	0.75	0.75	0.5	0.5	0.75	0.25	-0.25	-
M.Sc. in Marine Chemistry	15	9	1.8	1.2	-0.25	2.1	0.25	-0.65	-0.1	0.4	0.75	0.75	-0.25	-
M.Sc. in Marine Microbiology	20	12	1.6	1.6	3	2	-1.4	0	0.2	0.4	0.2	0.2	0.2	-
M.Sc. in Physical Oceanography	10	6	1.8	1	0.9	-0.6	0.6	0.6	-1.4	0.2	0.1	0.4	0.4	-
M.Sc. in Remote Sensing and GIS	10	5	0.4	0.6	0.7	0.9	0.7	-0.1	-0.5	0.5	0.3	0.3	0.2	1
M.Sc. in Statistics	10	5.4	0.80	0.20	0.9	0.8	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.6
MBA (Dual specialization)	35	18.9	2.8	0.7	2.6	2.2	1.05	1.4	0.4	1.85	0.35	1	0	2.1
M.Tech in Coastal and Harbour Engineering	15	9	1.2	0.3	1.35	1.2	0.45	0.45	0.3	0.3	0.15	0.15	0.15	0.9
M.Tech in Integrated Coastal Zone Management	6	3	0.48	0.12	0.54	0.48	0.18	0.18	0.12	0.12	0.06	0.06	0.06	0.3
M.Tech in Ocean and Coastal Safety Engineering	10	6	0.80	0.20	0.90	0.80	0.30	0.30	0.20	0.20	0.10	0.10	0.10	1.0

Community reservation for a course will be followed by taking each course as a separate unit

Cases where the reservation of communities is fractional in nature, communities with higher fraction will be considered first and then the next one will be considered in the descending order of the fraction.

All other terms and conditions specified in the prospectus of KEAM for claiming reservation will be followed

* Supernumerary seats for the children of fishermen, Kashmiri migrants, Foreign nationals, PIO, NRI and sponsored candidates by ICAR, Govt. Departments and Institutes were not included



HOW TO REACH

By AIR:

The nearest airport is Kochi (COK) ; Cochin International Airport (CIAL) which is the busiest airport of Kerala and just 25 K.m. away from KUFOS campus, Panangad. The recommended option is to catch a Taxi/ Cab from Airport to Madavana Jn. (Vyttila - Aroor National Highway). But the cheapest option will be utilizing the Local City Bus Services from the airport connecting the stops, Aluva – Edapally– Vyttila – Madavana Jn-KUFOS

By TRAIN:

The nearest Railway station is **Ernakulam Junction (ERS)** located near **South** of the Cochin City / Jose Junction. However, certain trains pass through **Ernakulam Town (ERN)** which is located near **North** of the Cochin City. The best option to reach KUFOS from Railway Station is to catch a Taxi/ Cab/ Auto Rickshaw. But the cheapest option will be utilizing the Local City Bus Services connecting the stops, Ernakulam South – Kadavanthra – Vyttila – Madavana Jn.

By BUS:

The nearest major bus stations in the heart of Cochin City are; Ernakulam and Vyttila Mobilty Hub, which connects with all national inter- city transports of South India. The best option to reach KUFOS (Madavana stop) from Bus Stations is by Taxi/Cab/ Auto Rickshaw or by utilizing the Local City Bus services.

KOCHI METRO :

As an alternative the Kochi Metro connects the Cochin International Airport and Railway Stations with the Vytilla Bus hub. One could alight from Aluva or Lissie Junction respectively in Kochi Metro to reach Vytilla and thereafter reach Madavanna through bus service.

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