

KERALA UNIVERSITY OF FISHERIES AND OCEAN STUDIES

KUFOS



P.G, Ph.D and PDF Programmes

PROSPECTUS 2023-24

Panangad, Kochi - 682506
Kerala, India
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Kerala University of Fisheries and Ocean Studies

Panangad P.O., Kochi-682 506

Kerala, India.

E-mail: admissions@kufos.ac.in

Website: www.kufos.ac.in

www.admission.kufos.ac.in

General Enquiry (Academic Section)

0484-2701085

0484-2275031

Help Desk (Admissions)

0484-2701085,

2275031,

2700598

Extn.142

admissions@kufos.ac.in

Website: www.kufos.ac.in

www.admission.kufos.ac.in

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Important Dates to Remember

For Indian Students

		Post graduate programmes	Ph.Dprogrammes
1	Date of notification	22 March 2023	22 March 2023
2	Last date of online application	22 April 2023	22 April 2023
3	Date of entrance examination	28 May 2023	31 July 2023
4	Declaration of the result	05 June 2023	10 August 2023
5	Date of GD and interview for MBA	12 - 16 June 2023	-----
6	Date of admission for PG programme / Interview and admission for Ph. D./PDF programme	26 - 30 June 2023	-----
7	Start of academic programme	03 July 2023	-----

For International Students

1	Date of notification	22 March 2023	22 March 2023
2	Last date of application	22 April 2023	22 April 2023
3	Date of admission	03 July 2023	

INTRODUCTION

The Kerala University of Fisheries and Ocean Studies (KUFOS) was established in 2010 by an Act of Kerala Legislative Assembly (amended KUFOS Act 2010, Act 5 of 2011) during 2021; (Act 18 of 2021 KUFOS (Amendment) Act, 2021) with the main objective of imparting education in different branches of Fisheries and Ocean Science. The University offers Under Graduate (UG), Post Graduate (PG) and Ph.D. programmes. The University also offers post-doctoral fellowship (PDF) 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/ National Eligibility cum Entrance Test (NEET). For the academic year 2023-24, admission to the M.F.Sc. and Ph.D programmes in the Faculty of Fisheries Science, KUFOS will be based on the National Testing Agency (NTA) score. Procedure for students admitted through ICAR quota is given separately (<https://icar.nta.nic.in>). For other faculties (except MBA & M.F.Sc) the admission will be through Common Entrance Examinations conducted by KUFOS. The Admission to MBA Programme will be done based on the score of K MAT, CAT and CMAT and Admissions to M.F.Sc program will be done based on the NTA score of ICAR- AIEEA (PG) – 2023. Foreign students/ Person of Indian Origin have 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	Sri. Saji Cheriyan. Minister for Fisheries, Culture and Youth Affairs Govt. of Kerala	0471-2518333, 0471-2327796 0471-2327895
Vice Chancellor (i/c)	Prof. (Dr.) M. Rosalind George	0484-2703781(Direct) Fax: 0484-2700337 vc@kufos.ac.in
Registrar (i/c) RTI Appellate Authority	Prof.Dr. K. Dinesh	0484-2703782 Fax: 0484-2703782 registrar@kufos.ac.in
Finance Officer	Sri. Joby George P.	0484-2701095, Fax: 0484 2701095 fo@kufos.ac.in
Controller of Examinations	Prof. (Dr.) Subhashchandran K.P.	0484-2275030 ce@kufos.ac.in
Director of Research	Prof. (Dr.) Devika Pillai	0484-2703782 dr@kufos.ac.in
Director of Extension	Prof. (Dr.) Daisy C. Kappen	0484-2275045 de@kufos.ac.in
Dean, Faculty of Fisheries Science	Prof. (Dr.) M Rosalind George	0484- 2700274 deanfisheries@kufos.ac.in
Dean, Faculty of Ocean Science & Technology	Prof. (Dr.) S. Suresh Kumar	0484-2275070 sost@kufos.ac.in
Dean, Faculty of Fisheries Engineering	Prof.Dr. K. Dinesh	0484-2257075 <u>drsoeut@kufos.ac.in</u>

Dean, Faculty of Fisheries Management	Prof. (Dr.) V.Ambilikumar	0484-2275065 dean.ffm@kufos.ac.in
University Engineer	Er. N.K Muhammed Koya	0484-2701335 engg@kufos.ac.in
Director of Planning & Development	Dr. M. S. Raju	0484-2700964 Extn.187 dr_plan@kufos.ac.in
Director, Public Relation & Publications	Sri. Raju E Raphael	0484-2700964 Extn.133 dprp@kufos.ac.in

Admission core committee 2023-24 for PG & Ph. D.

Dr. M K Sajeevan	Associate Professor & HoD, FRM	Chairman
Smt. Divya K. D.	Section Officer, Academic	Convener
Dr. Maya Raman	Associate Professor & HoD, FST	Member
Dr. E. M. Afsal	Associate Professor & HoD, FFM	Member
Dr. Safeena M P	Assistant Professor	Member
Sri. Ajith Kumar K. L.	Assistant Registrar (Acad & Exam)	Member
Sri. Vinod Xavier	Programmer	Member
Dr.K Ranjeet	Professor & HoD, AEM	Co-opted member

COURSES OFFERED

The details of PG/Ph.D/PDF/UG/Diploma (P.G. Diploma and Certificate programmes to be offered during the year 2023-24 will be announced separately)

(Detailed information on Annexure I)

I. Post-graduate programmes

1. M.F.Sc.

- i. M.F.Sc. Aquaculture
- ii. M.F.Sc. Aquatic Animal Health Management
- iii. M.F.Sc. Aquatic Environment Management
- iv. M.F.Sc. Fish Nutrition and Feed Technology
- v. M.F.Sc. Fish Processing Technology
- vi. M.F.Sc. Fishing Technology and Engineering
- vii. M.F.Sc. Fisheries Extension
- viii. M.F.Sc. Fisheries Resource Management
- ix. M.F.Sc. Fish Genetics and Breeding

2. M.Sc. Programmes

- i. M.Sc. Applied Geology
- ii. M.Sc. Biotechnology
- iii. M.Sc. Climate Science
- iv. M.Sc. Disaster Management
- v. M.Sc. Environmental Sciences
- vi. M.Sc. Food Science and Technology
- vii. M.Sc. Marine Biology
- viii. M.Sc. Marine Chemistry
- ix. M.Sc. Marine Microbiology
- x. M.Sc. Physical Oceanography
- xi. M.Sc. Remote Sensing and GIS
- xii. M.Sc. Statistics

3. M.B.A.

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

4. M. Tech.

- i. M. Tech Coastal and Harbour Engineering
- ii. M. Tech Ocean and Coastal Safety Engineering

II. Ph.D Programmes

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

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

Offered by the following faculty of the University.

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

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

- i. Bachelor of Fisheries Science (B.F.Sc.)
- ii. Bachelor of Technology (B.Tech.- Food Technology)

V. Diploma Programme (Applications will be invited separately)

- i. Diploma in Brackish water and Marine Aquaculture

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

- i. PG Diploma in Aquarium Science and Technology
- ii. PG Diploma in Industrial Aquaculture
- iii. PG Diploma in Maritime Law

VII. Certificate Programmes (Applications will be invited separately)

- i. Certificate Programme in Computer Aided Designing and Drafting (CADD)
- ii. Certificate Programme in 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, Kerala State 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 (from the State of Kerala Only) in all Under Graduate and Post Graduate programmes offered by KUFOS.

C) Sports Quota (SPQ): Three supernumerary seats have been allocated under Sports quota for the entire PG programmes. The seats shall be allocated to them based on the performance in International/National/Regional events. The candidate applying for sports quota should forward a copy of the confirmation page of online registration along with attested photocopies of sports merit certificates (highest achievements in each event) to the respective District Sports Councils. The 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 representing the Educational District/ Sports School/ Sports Hostels in the Kerala State Schools Championship and winning third place. In the case of Management Programmes, (AICTE) CMAT /KMAT/ CAT (IIM) Kerala score will be added to the marks awarded by the Kerala Sports Council. 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 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 counselling, a certificate of eligibility for selection under this quota issued by the District Council, as per the guidelines published by them. The achievements in two financial years (1stApril to 31stMarch) 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 2023-24 academic year, one supernumerary seat under ESM shall be provided to M.Sc. Marine Biology.

E) Lakshadweep Quota (LDQ): Three supernumerary seats for PG courses are allotted to students 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 (2023-24), the seats are allotted to M.F.Sc. Fisheries Resource Management, M.F.Sc. Aquatic Animal Health Management and M.Sc. Marine Chemistry.

F) Persons with Disabilities (PWD): 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 counselling/ GD/ interview/ admission, whichever is earlier. The percentage of disability shall not be an index for gaining eligibility/ admission. Admission shall be based on the 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 PWD candidates with at least 40% disability. The seats allotted to Persons with Disability (PWD) candidates are supernumerary in nature and will not be converted to general if unfilled.

G) Son/Daughter of defence personnel killed/disabled/missing in action category (DKM): One supernumerary seat is allotted in M.F.Sc. Fish Processing Technology course.

II. SPECIAL PRIVILEGE

Children of Fishermen (CoF) of Kerala State, Kashmiri migrants, NRI / foreign nationals, and sponsored candidates by Government departments will be admitted to post-graduate courses on supernumerary basis, if they fulfil required qualifications as prescribed for the admission for the course.

A) Children of Fishermen (CoF) of Kerala State: 20% of the total seats in each course are reserved as supernumerary seats for Children of Fishermen (CoF) of Kerala State.

B) Children of Kashmiri Migrants (CKM): 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

C) Non-Resident Indians (NRI)/ PIO/ OIC/ foreign nationals: Two seats in each programme 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. The students who take admission under the NRI quota will not be considered for General quota, even if the seats are available.

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/she 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 counselling and/or interview and/or group discussion.

III. PENALTY FOR FALSE INFORMATION

Any candidate who is found to have wilfully 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 closure of admission. 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 examinations.

V. MARK 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 accepts only online applications for its post-graduate and Ph.D programmes. Students are directed to visit the KUFOS website 'www.kufos.ac.in' and follow the online application instructions provided. Candidates must register in the website www.admissions.kufos.ac.in submit online application, pay fees through SBI Collect link provided, and check the status of application. Download the Hall ticket for the entrance examination and check the status of their admission on this online admission 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. Candidate must make sure that they fulfil eligibility criteria before

filling up online application. The candidate alone shall be responsible for uploading correct information in the online application <http://admission.kufos.ac.in/>

VII. APPLICATION FEE

General category: Rs. 1500/- (Rupees One thousand and five hundred only).

Kerala Scheduled Caste/ Kerala Scheduled Tribe (native of Kerala only): Rs. 750/- (Rupees Seven hundred and fifty only). Only those candidates who choose the option “NRI” under the head “Special Reservations”, while applying online has to remit the additional fee of Rs. 5500/- over and above the normal fee of Rs.1500/- (Rs. 750/- in the case of SC/ST Candidates), i.e., Rs.7000/- or Rs.6250/- respectively. For admission to any academic programme offered by the University, the students who are currently in the final semester/ year of the qualifying examination can also apply. However, their admission will be provisional pending fulfilment of eligibility. The application fee should be paid online through SBI Collect, the instructions for which are available in the KUFOS website & admission portal. No other mode of payment will be accepted.

The last date for online application is 22 April 2023 and online payment should be made within time limit of submission of online application. Students need not send the 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

- a) Print out of the online application submitted
- b) Proof of remittance of prescribed fee
- c) TC and conduct certificate
- d) Certificates of age, qualifications, mark list of Plus Two and qualifying examination, experience, Sports activities, and N.C.C. etc.
- e) Community Certificate obtained from a Revenue Officer not below the rank of Village Officer in the case of SC/ST candidates.
- f) For other eligible communities, non-creamy layer certificate issued by competent authority.
- g) No Objection Certificate and experience certificate obtained from the controlling officer Concerned in the case of in-service candidates.
- h) Nativity certificate in the case of candidates from outside Kerala.
- i) Certificate in support of any other reservation claimed (including EWS) as specified in the application to prove their claims.
- j) Migration Certificate if needed.

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 reserves the right to cancel the 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 - 28 May 2023

Date of entrance examination for Ph.D Programme - 31 July 2023

Candidates are 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 entrance 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 third week of June 2023.

XI. ANNOUNCEMENT OF RESULTS

The list of candidates selected for admission based on KUFOS entrance examination/ interview/group discussion, will be published at the University Head Quarters, Panangad and through the KUFOS website on 5 June 2023 for the post-graduate programme,(except M.F.Sc & MBA) and on 10 August 2023 for Ph.D. programmes. The M.F.Sc admissions will be based on the NTA scores obtained by the students. Candidates are requested to visit the official websites frequently for latest information regarding admissions and allotments.

XII. ADMISSION

- (a) Admission for all PG and Ph.D programmes (except M.F.Sc & Ph.D under Faculty of Fisheries Science and MBA under Faculty of Fisheries Management) will be done based on the KUFOS entrance examination results
- (b) Admission for all M.F.Sc and Ph.D programmes under the Faculty of Fisheries Science will be based on the results of NTA score of PG/Ph.D 2023 of ICAR. Students can upload their NTA score when intimated by the university in the admission portal. Students can submit their choice of M.F.Sc. programme at the time of admission.
- (c) Admission for the MBA programmes under the Faculty of Fisheries Management will be based on the results of KMAT/ CMAT/CAT and Group Discussion / interview

Based on the allotment lists, candidates selected will be provisionally 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 preceeding the final semester. It is mandatory that the candidates, once admitted should fulfil the requirements regarding eligibility before the first semester examination.

Date of admission for post-graduate Programme - 03 July 2023

Date of admission for Ph.D. Programme - Last week of September 2023

Printout of the online 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, Non 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 Research guide in the prescribed format along with the synopsis of the research work at the time of the Interview in the last week of September 2023, 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 indicated in Annexure II is for the year 2023-24 and are liable to be modified by executive order of the University time to time.

Note: Fees paid will not be refunded.

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 fees 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 Kerala Scheduled Caste (SC), Kerala Scheduled Tribe (ST) and Kerala 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, Refundable 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>) before its last date announced or 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 Departments 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.

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 the merit. Junior fellowship is Rs. 2000/- per Semester and Senior Research fellowship is Rs. 14000/- per month.

XVI. INSURANCE SCHEME FOR STUDENTS & EARNING PARENT/LEGAL GUARDIANS

An insurance scheme “Students Group Accident Insurance Policy (YuvaRaksha)” and “Janatha Personal Accident Insurance Policy” for Student Earning Parent / Legal Guardian of the Oriental Insurance Company Ltd. has been adopted by the University to all its UG, PG and Ph.D students. Accordingly, students have to pay a premium of Rs. 178/- (including GST) per year. Sum insured is Rs. 3,00,000/- for student and Rs.1,00,000 for Student’s Earning Parent / Legal Guardian. After the closure of admission each year, the students/parent will have to submit the 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.

XVII. GRIEVANCE REDRESSAL CELL

Grievance Redressal Cell functions in the University to address the grievances of the students. Students can file their complaints at “ nodalofficer.grc@kufos.ac.in.”

XVIII. INTERNAL QUALITY ASSURANCE CELL (IQAC)

The IQAC is active in the University and is responsible for the development of a quality educational system. The cell is responsible for the approvals from the statutory bodies such as Indian Council of Agricultural Research (ICAR), University Grants Commission (UGC), and All India Council for Technical Education (AICTE).

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 “nodalofficer.grc@kufos.ac.in”. Ragging, use of drugs, drug trafficking, physical assaults/ violence of any sort, etc. are criminal offences and are strictly forbidden. Persons found indulging in such activities will be subjected to strict disciplinary action including expulsion from the University, besides other measures under the law of the land. “KUFOS (Conduct and Disciplinary Code (Revised) 2019 as per Order No. Acad. (3)/10824/2017 dated 10.07.2019 will be applicable to all students of the University.

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 Fisheries Science and Ocean Science. It provides a wide range of facilities to the students to understand the course curriculum in effective manner. The KUFOS Head-quarters with its enchanting blue building stands in harmony with the greenery at Panangad, 12 km away from Kochi city, along NH-66.

KUFOS FISHERIES STATION, PUDUVEYPU

Major research station of KUFOS is 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.

COLLEGE OF FISHERIES, PAYANNUR

The College of Fisheries, Payannur is offering Bachelors of Fisheries Science (B.F.Sc.) course, as per ICAR norms and 5th Dean's Committee Report with an intake capacity of 40 students since 2022.

KUFOS REGIONAL CENTRE, KOLLAM

The KUFOS Regional Centre, Kollam is a regional research and extension centre at Kundara that will 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 include aquaculture lab, marine 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.

STATE REFERRAL LABORATORY

Aquatic Animal Health and Environment Management Laboratory established with financial assistance from the National Fisheries Development Board (NFDB), Hyderabad, were upgraded to State Referral Laboratory that has facilities for level 1, 2 and 3 diagnoses. The officials of the Central and State Fisheries, farmers, students and researchers are trained in disease diagnosis. Regular awareness programmes are conducted. 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.

CENTRAL INSTRUMENTATION FACILITY

The University has a well-equipped Central Instrumentation Facility with all sophisticated analytical facilities such as GC-MS, HPLC, Ultracentrifuge, Particle analyzer etc.

SOIL AND WATER ANALYSIS LAB

Soil and water analysis 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. The 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 in KOHAManupatra, Jgate, CeRA, Astral eBooks, Cambridge eBooks, DELNET and KUFOS Digital Library. KUFOS Institutional Repository named 'MEENAM' is now available through internet. MyLOFT stands for My Library On Fingertips. It is an app for accessing, organizing and sharing digital content and e-resources subscribed by the KUFOS library. It allows users to download content and save for offline reading. Users can access the above mentioned databases and free online databases like KALNET, Krishikosh, eshodhsindh, NDL, CMFRI ePrints, Dyuthi, Shodganga, FAO etc. through this app. Currently more than 600 online journals are available through CeRA.

KUFOS MUSEUM AND AQUARIUM

The KUFOS Museum (named the AGK Menon Memorial Museum) which is located in the Western Campus of the University. Currently, the museum houses preserved specimens of fish, crustaceans, molluscs and other invertebrates. There are around 200 species of freshwater and brackish water fish species, 250 species of marine fishes, 25 species of crustaceans, 350 species of shells and 20 species of deep-sea fishes. A major highlight of the museum is the collection of native freshwater fishes of Western Ghats Biodiversity Hotspot including several rare and threatened species. The A.M. Michael Public Aquarium at KUFOS houses a diverse array of fish and shell fish species from both the freshwater and marine environments. There are 44 tanks arranged within two separate sections and additional two plasma tanks and a Koi Pond with two fountains. Currently, the aquarium maintains around 50 species of fish including native freshwater ornamental fishes, marine fish and invertebrates, exotic species and commercially important species for aquaculture. This aquarium draws an average of 3000 visitors annually.

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 of 20 ponds of different sizes. 5ha. area is presently utilized for prawn filtration.

TRANSPORTATION FACILITIES

The University provides bus service for students for to and fro movement from campus to various locations of the city, based on the necessity.

SPORTS FACILITIES

The University provides excellent games and sports facilities and infrastructure. The University has a well-equipped gymnasium in the campus. A standard playground is available for the use of students. Other infrastructure facilities for sports and games include basketball courts, volleyball courts, shuttle badminton courts, table tennis boards and a full-fledged fitness centre.

SWIMMING POOL

The swimming pool (25 m length 10 m width) is sophisticated and equipped with tracks, starting blocks, all round deck slab, and spring board for diving. It also has separate changing rooms for boys and girls and an 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 and hostels.

KUFOS HOSTELS AND GUEST HOUSE FACILITY

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. 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.

INTERNATIONAL HOSTEL FACILITY

The University provides furnished International hostel facilities for the international students.

KUFOS AMENITY CENTRE

The amenity centre house units to sell live fish produced at the University and food products developed by the students, guidance centre for farmers, and banks. The centre has sales counters of the University, ATM, 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.

CANTEEN

The University has a canteen facility sponsored by Indian Council of Agricultural Research (ICAR), which provides food at a rebate rate.

MEDICAL FACILITY

The medical facilities to maintain the proper health of staff and students is available in the University campus. For that a Medical Practitioner service will be available on Tuesday and Friday on every week from 3pm to 7pm

BUSINESS INCUBATION CENTRE

The Business Incubation Center (BIC) provides facilities, office space and seed-money to the budding entrepreneurs and start-ups, based on feasibility and significance. The entrepreneurs can utilize the facilities of University to develop and establish their business.

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 students every year. Many students of the University opt to go abroad for higher studies, doctoral programmes and with satisfying job prospectus.

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 (NBFGR), Kochi.
10. Holy Grace Academy of Management Studies, Thrissur.
11. Department of Fisheries & 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. ICAR-Central Marine Fisheries Research Institute (CMFRI), Kochi
2. ICAR-Central Institute of Fisheries Technology (CIFT), Kochi
3. CSIR-National Institute of Oceanography (NIO), Goa
4. ICAR-National Bureau of Fish Genetic Resources (NBFGR), Lucknow
5. Export Inspection Agency (EIA), Kochi
6. Seafood Exporters Association of India (Kerala region), Kochi
7. National Centre for Earth Science Studies (NCESS), Trivandrum
8. Indian National Centre for Ocean Information Services (INCOIS), Hyderabad
9. Agricultural Skill Council of India (ASSCI)
10. ICAR-Indian Institute of Spices Research, Kozhikode.
11. Central Institute of Fisheries Nautical and Engineering Training (CIFNET), Kochi
12. Centre for Marine Living Resources and Ecology (CMLRE), Kochi
13. Vidyodaya School, Kochi.
14. Nansen Environmental Research Centre India (NERCI), Kochi
15. Kerala State Remote Sensing and Environment Centre, (KSREC), Thiruvananthapuram
16. Cochin Port Trust, Kochi
17. Peninsular and Marine Fish Genetic Resources Centre, ICAR-NBFGR, Kochi.
18. ICAR- Central Coastal Agricultural Research Institute, Goa
19. ICAR- Central Plantation Crops Research Institute, Kasargod
20. KSCSTE- Centre for Water Resources Development and Management (CWRDM),
Kozhikode

21. Bay of Bengal Programme- Intergovernmental Organization (BOBP-IGO)

XXIV. INTERNATIONAL UNIVERSITIES AND RESEARCH INSTITUTES ASSOCIATED WITH KUFOS

1. Bournemouth University, United Kingdom
2. National Taiwan Ocean University (NTOU), Keelung, Taiwan
3. Hawassa University, Ethiopia
4. National Chung Cheng University (CCU), Taiwan
5. Asia University, Taiwan
6. Shu-Te University (STU), Kaohsiung City, Taiwan
7. Gender in Aquaculture and Fisheries Section of the Asian Fisheries Society, Malaysia

XXV. CENTRES OF EXCELLENCE

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 Centres of Excellence in the core areas of Fisheries and Ocean Science research. The functioning of the centres 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 Centres of Excellences. Broadly these CoE's will act as centres facilitating basic research and applied research, which will eventually develop into defined academic centre in the areas concerned. Four Research centres already established are:

1. Centre of Excellence for Indigenous Fish Production and Aquatic Animal Health Management (CIFPAAH)
2. Centre of Excellence in Aquatic Resource Management and Conservation [CARMC]
3. Centre of Excellence for Food Processing and Packaging Technology (CEFPT)
4. Centre for Climate Resilience and Environment Management (CCREM)
5. Centre for Ocean Research (COR)

XXVI. MASSIVE OPEN ONLINE COURSES (MOOC)

KUFOS Centre for e-Learning intends to provide online courses on Fisheries and Ocean Studies, and allied subjects for general public and professionals. It will offer technical information and technological advice online in relevant areas. This avenue will also share related knowledge, training and courses. The courses of general public interest would also be made available free that does not carry University credit. KUFOS has been accepted as Local Chapter under the Nodal Chapter, Indian Institute of Technology, Madras. The students are encouraged to undertake NPTEL/SWYAM MOOC courses during their under-graduate and post-graduate programmes. The University is also in the process of developing facilities and MOOC programmes. A DTH facility is also established for online courses for students.

XXVII. KERALA MANAGEMENT ASSOCIATION (KMA) STUDENT CHAPTERS

Kerala Management Association (KMA) Student Chapter at Faculty of Fisheries Management is a reputed professional body functioning in the areas of business and management that 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

I. 1. 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 year (4 semesters) programme conducted as per the ICAR pattern. The courses are having field application value and well accepted world over.

- i. M.F.Sc. Aquaculture
- ii. M.F.Sc. Aquatic Animal Health Management
- iii. M.F.Sc. Aquatic Environment Management
- iv. M.F.Sc. Fish Nutrition and Feed Technology
- v. M.F.Sc. Fish Processing Technology
- vi. M.F.Sc. Fisheries Technology and Engineering
- vii. M.F.Sc. Fisheries Extension
- viii. M.F.Sc. Fisheries Resource Management
- ix. M.F.Sc. Fish Genetics and Breeding

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.) who are following common ICAR approved syllabus with an OGPA of 6.5/10.0 or above (In the case of SC/ST candidates an OGPA of 5.5/10.0) are eligible for the programme.

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 research work.

5. NUMBER OF SEATS

Master's degree 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	8	2	10
2	Aquaculture	Fish Nutrition and Feed Technology	4	1	5
3	Aquaculture	Fish Genetics and Breeding	4	1	5
4	Aquatic Animal Health Management	Aquatic Animal Health Management	8	2	10
5	Aquatic Environment Management	Aquatic Environment Management	8	2	10
6	Fish Processing Technology	Fish Processing Technology	8	2	10
7	Fishing Technology	Fishing Technology and Engineering	4	1	5
8	Fisheries Extension Economics & Statistics	Fisheries Extension	4	1	5
9	Fisheries Resource Management	Fisheries Resource Management	8	2	10
TOTAL			56	14	70

6. MODE OF SELECTION

Through the common entrance examination conducted by NTA. Candidates should have NTA score of ICAR – AIEEA (PG) 2023 and 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>). For the admission of M.F.Sc and Ph.D programmes in the Faculty of Fisheries Science, native students will be given preference. If there are no eligible native students, preference will be given to students graduated from KUFOS, followed by students from other states.

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. (i) 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 geosciences 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 Bachelor of Science with 55% marks or 5.5/10.0 OGPA or 2.2/4.0 OGPA (50% for SC/ST candidates) in any of the following subject combination. 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: 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 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. (ii) 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: 18

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.

2. (iii) 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

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 subjects, 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: 15

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. (iv) 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 5.5/10.0 OGPA or 2.2/4.0 OGPA (50% for SC/ST candidates)

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

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. (v) 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 interdisciplinary 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. OBJECTIVES

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

Bachelor's degree in Science/ Technology with 50% marks or 5.5/10.0 OGPA or 2.2/4.0 OGPA (50% for SC/ST candidates)

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. (vi) 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 (50% for SC/ST candidates) 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/Biotechnology
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 technology 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. (vii) 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 5.5/10.0 or 2.2/4.0 marks (50% for SC/ST candidates) 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. (viii) 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 Degree. in Chemistry with 50 % or 5.5/10.0 or 2.2/4.0 marks (50% for SC/ST candidates)

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. (ix) 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. (x) 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 (50% for SC/ST candidates) 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: 15

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. (xi) 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 (50% for SC/ST candidates) 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: 15

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. (xii) 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 modelling 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 or 5.5/10 OGPA or 2.2/4.0 OGPA (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: 12

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. (i) 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 of KUFOS commenced in 2012-13.

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) K MAT (www.cee.kerala.gov.in/kmat) 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. (i) 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. (ii) 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 harbour. Environmental and disaster management authorities and organizations are also in need of experts in Coastal and marine safety.

II. 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. (based on the NTA score of ICAR AICE-JRF/SRF (Ph.D))
 - 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:

Master's 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) and based on the NTA score of ICAR/AICE-JRF/SRF (PhD) 2023

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

Master's degree in the respective / related discipline recognized by Kerala University of Fisheries and Ocean Studies with 55% marks (50% in case of SC and ST candidates).

MODE OF SELECTION:

The admission to all Ph.D programmes except under the Faculty of Fisheries Science will be done through the Common Entrance Examinations conducted by KUFOS.

NTA score (ICAR/AICE-JRF/SRF (Ph.D - All India Competitive Examination) will be considered for the admission to Ph.D programmes under the Faculty of Fisheries Science.

III. PDF - 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. (i). 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. Candidates have to complete the initial registration process in the website KEAM of CEE, Kerala. Those students who qualify National Eligibility cum Entrance examination (NEET - UG) administered by the National Testing Agency (NTA) 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>.

A physical fitness certificate from an approved medical practitioner should be produced by the candidate stating that the students is fit for swimming, field work including pond preparation, cast net operation and participation on board fishing vessel cruises (No. Acad 2/3500/2022 dated 04.03.2022).

3. SEATS AND RESERVATIONS

Total seats for B.F.Sc. Course are one hundred and twenty (120); Panangad Campus allotted -80; and 40 seats allotted at College of Fisheries, Payyanur, Kannur (Acad 3/7187/2022 dated 10.11.2022).

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. 20% seats are reserved as ICAR quota ([https://education.icar.gov.in/ Home.aspx](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 Kerala 'Children of Fishermen' category. They shall upload the relevant certificate while they register in KEAM. Please visit www.cee.kerala.gov.in

Course Code and Name of course (course code as per prospectus)	Total Intake	State Govt.Seats (Seats to be allotted by the CEE, Give detailed split up, if any)	Other Seats (seats not allotted by the CEE including AIQ Seats. Give Split -up)
BFSc (Bachelor of Fisheries science) Panangad,Campus	80	Open-46 COF- 16 SP-1 JW-1 DK-1 LG/LV/LF-1	ICAR -16 Lakshadweep-2
		Total -66	
BFSc (Bachelor of Fisheries science) Payyannur,Campus	40	Open-32* COF-8	ICAR -0 Lakshadweep-0
		Total -40	

*Reservation as per Government norms to be followed

IV. (ii). 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.

Candidates have to complete the initial registration process in the website KEAM of CEE, Kerala. 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 Kerala 'Children of Fishermen' category. In addition, 2 supernumerary seats for NRI/PIO/OIC.

Please visit www.cee.kerala.gov.in

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

Diploma Programmes

V. (i) 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.

5. NO. OF SEATS: 20

6. 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. (i) 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. (ii) 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. (iii) 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 advise 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 centres and institution and also provide continuing education for those who are already employed in such centres

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.(i) 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. (ii) 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

MFSc. Programmes

Sl. No.	Item	Amount (in Rs.)				Total
		1 st semester	2 nd semester	3 rd semester	4 th semester	
1	Admission fee	300	0	0	0	300
	Caution Deposit (refundable)	3000	0	0	0	3000
2	Tuition fee (per semester)	16,104	16,104	16,104	16,104	64,416
3. Special Fee :						
	Library fee (annual)	0	1000	0	1000	2000
	Stationery fee (annual)	0	1000	0	1000	2000
	Athletic/Sports/Games fee (per semester)	250	250	250	250	1000
	Association fee (per semester)	100	100	100	100	400
	Magazine fee (annual)	0	500	0	500	1000
	University Union fee (per semester)	250	250	250	250	1000
	Computer fee (per semester)	500	500	500	500	2000
	Insurance premium (annual)	178	0	178	0	356
4	Dissertation/Viva-voce	-	-	-	2000	2000
	Semester Examination fee	1000	1000	1000	-	3000
	Total Rs.	21,682	20,704	18,382	21,704	82,472

MSc. Programmes (other than MSc. Statistics)

Sl. No.	Item	Amount (in Rs.)				Total
		1 st semester	2 nd semester	3 rd semester	4 th semester	
1	Admission fee	10,000	0	0	0	10,000
	Caution Deposit (refundable)	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
	Athletic/Sports/Games fee (per semester)	250	250	250	250	1000
	Association fee (per semester)	100	100	100	100	400
	Magazine fee (annual)	0	500	0	500	1000
	University Union fee (per semester)	250	250	250	250	1000
	Computer fee (per semester)	1000	1000	1000	1000	4000
	Insurance premium (annual)	178	0	178	0	356
4	Dissertation/Viva-voce	-	-	-	2000	2000
	Semester Examination fee	2000	2000	2000	-	6000
	Total Rs.	46,278	33,600	31,278	33,600	1,44,756

MSc. Statistics

Sl. No.	Item	Amount (in Rs.)				Total
		1 st semester	2 nd semester	3 rd semester	4 th semester	
1	Admission fee	10,000	0	0	0	10,000
	Caution Deposit (refundable)	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
	Athletic/Sports/Games fee (per semester)	250	250	250	250	1000
	Association fee (per semester)	100	100	100	100	400
	Magazine fee (annual)	0	500	0	500	1000
	University Union fee (per semester)	250	250	250	250	1000
	Computer fee (per semester)	1000	1000	1000	1000	4000
	Insurance premium (annual)	178	0	178	0	356
4	Dissertation/Viva-voce	-	-	-	2000	2000
	Semester Examination fee	2000	2000	2000	2000	8000
	Total Rs.	40,778	28,100	25,778	30,100	1,24,756

MBA Programmes

Sl. No.	Item	Amount (in Rs.)				Total
		1 st semester	2 nd semester	3 rd semester	4 th semester	
1	Admission fee	10,000	0	0	0	10,000
	Caution Deposit (refundable)	5000	0	0	0	5000
2	Tuition fee (per semester)	27,500	27,500	27,500	27,500	1,10,000
Special Fee :						
3	Library fee (annual)	0	1000	0	1000	2000
	Stationery fee (annual)	0	1000	0	1000	2000
	Athletic/Sports/Games fee (per semester)	250	250	250	250	1000
	Association fee (per semester)	100	100	100	100	400
	Magazine fee (annual)	0	500	0	500	1000
	University Union fee (per semester)	250	250	250	250	1000
	Computer fee (per semester)	1000	1000	1000	1000	4000
	Insurance premium (annual)	178	0	178	0	356
4	Dissertation/Viva-voce	-	-	-	2000	2000
	Semester Examination fee	2000	2000	2000	2000	8000
Total Rs.		46,278	33,600	31,278	35,600	1,46,756

M. Tech Programmes

Sl. No.	Item	Amount (in Rs.)				Total
		1 st semester	2 nd semester	3 rd semester	4 th semester	
1	Admission fee	10000	0	0	0	10000
	Caution Deposit (refundable)	5000	0	0	0	5000
2	Tuition fee (per semester)	33000	33000	33000	33000	1,32,000
Special Fee :						
3	Library fee (annual)	0	1000	0	1000	2000
	Stationery fee (annual)	0	1000	0	1000	2000
	Athletic/Sports/Games fee (per semester)	250	250	250	250	1000
	Association fee (per semester)	100	100	100	100	400
	Magazine fee (annual)	0	500	0	500	1000
	University Union fee (per semester)	250	250	250	250	1000
	Computer fee (per semester)	1000	1000	1000	1000	4000
	Insurance premium (annual)	178	0	178	0	356
4	Dissertation/Viva-voce	-	-	-	2000	2000
	Semester Examination fee	2000	2000	2000	-	6000
	Total Rs.	51,778	39,100	36,778	39,100	1,66,756

The above fee is prescribed for the students who secure admission during the academic year 2023-24.

In addition, the following fees are also fixed from the academic year 2023-24 onwards for all batches.

Sl. No.	Item	Amount (in Rs.)
1	Late registration of semester (i) within 7 working days from the last date of registration (ii) beyond 7 working days and within 15 working days	500 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

Ph.D Programme

Sl. No	Item	Amount (in Rs.)				
		1 st Semester	2 nd , 4 th , 6 th and 8 th Semesters	3 rd , 5 th , 7 th and 9 th Semesters	10 th Semester	Total
1.	Admission fee	500	0	0	0	500
	Caution Deposit ** (refundable)	3000	0	0	0	3000
2.	Tuition fee (per semester)	16,335	16,335	16,335	16,335	1,63,350
3	Special Fee :					
	Library fee (per semester)	450	450	450	450	4500
	Stationery fee (per semester) **	450	450	450	450	4500
	Athletic/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
4	Insurance premium (annual)**	178	0	178		890
	Dissertation/Viva Voce	-	-	-	2000	2000
	DC Meeting for 6 months review	1000	1000	1000	1000	10,000
	Total Rs. (For Ph. D Scholars admitted at KUFOS)	23,013	19,835	19,513	21,835	2,02,240
	Total Rs. (For Ph. D Scholars admitted at approved research centres)	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 PhD Scholars who secure admission during the academic year 2023-24.

The semesters for Ph.D courses will be from 1st December to 31st May and from 1st June to 30th November; semesters each year. The last date for payment of fee for Ph.D Scholars for each semester without fine will be on 05th December and 5th June and with a 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 PhD Scholars of all the ongoing batches:

Other fees:

Sl. No.	Item	Amount
1.	Comprehensive examination fee	Rs. 1500
2.	Late fee for submission of thesis	Rs. 1500
3.	Fee for extending time for submission of thesis	Up to six Months : Rs. 1500 Beyond Six Months: Rs. 2500
4.	Conversion of Ph.D registration from full time to part time and vice versa	Rs. 1000
5.	Change in title of thesis	Rs. 1000

BFSc. Programmes

Sl. No.	Item	Amount (in 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	100	0	0	100
	Caution Deposit (refundable)	1000	0	0	1000
2	Tuition fee*	8052	8052	8052	64,416
3. Special Fees					
	Library fee (per semester) *	200	200	200	1600
	Stationery fee (per semester)*	200	200	200	1600
	Athletic/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
	Computer fee (per semester) *	500	500	500	4000
	Insurance premium (annual)	178	0	178	712
4	Semester Examination fee *	500	500	500	4000
	Total Rs.	11,230	9752	10,130	80,628

(* To be remitted in every semester)

BTech. Food Technology.

Sl. No.	Item	Amount (in 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 (refundable)	5,000	0	0	5,000
2	Tuition Fee*	33,000	33,000	33,000	2,64,000
3	Special Fees :				
	Library fee (per semester)*	500	500	500	4,000
	Stationery fee (per semester)*	500	500	500	4,000
	Athletic/ Sports/Games fee (per semester)*	250	250	250	2,000
	Association fee (per semester)*	100	100	100	800
	Magazine fee (annual)	500	0	500	2,000
	University Union fee (per semester)*	250	250	250	2,000
	Computer fee (per semester)*	1000	1000	1000	8,000
	Insurance premium (annual)	178	0	178	712
4	Semester Examination fee*	2000	2000	2000	16,000
	Total Rs.	53,278	37,600	38,278	3,18,512

(* To be remitted in every semester)

The above fee is prescribed for the students who secure admission during the academic year 2023-24

In addition, the following fees are also fixed from the academic year 2023-24 onwards for all batches:

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

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) of Kerala		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.		
	State Merit Seats	60%
	Economically Weaker Section (EWS) of Kerala	10%

NAME OF THE PROGRAMME	Total seats	General seats	SC	ST	EZ	MU	BH	LC AI	DV	VK	KN	BX	KU	EWS	Total
Reservation		60%	8%	2%	9%	8%	3%	3%	2%	2%	1%	1%	1%	10% Gen	
MFSc Aquaculture	10	8	0.74	0.2	0.8	0.64	0.44	0.2	0.36	0.26	0.12	0.14	0.1	0.40	4
MFSc Fish Nutrition and Feed Technology	5	4	-0.4	0.18	0.68	-0.08	-0.16	0.36	0.12	0.14	0.08	0.08	0.08	0.20	2
MFSc Animal Health Management	10	8	0.28	0.32	0.72	0.78	0.36	0.36	0.28	0.28	0.28	0.2	0.16	0.40	4
MFSc Fisheries Resource Management	10	8	0.94	0.36	1.06	0.74	-0.16	0.24	0.26	-0.2	0.16	0.16	0.08	0.40	4
MFSc Aquatic Environment Management	10	8	1.02	0.48	0.14	0.6	0.46	-0.2	-0.16	0.44	0.22	0.36	0.38	0.40	4
MFSc Fishing Technology & Engineering	5	4	0.32	0.08	0.56	0.52	0.12	0.12	0.08	0.08	0.04	0.04	0.04	0.20	2
MFSc Fish Processing Technology	10	8	0.84	0.21	1.17	0.64	0.4	0.29	0.21	-0.36	0.08	0.08	0.08	0.40	4
MFSc Fisheries Extension	5	4	-0.04	0.12	0.52	0.44	0.26	0.26	0.14	0.14	0.04	0.04	0.04	0.20	2
MFSc Fish Genetics & Breeding	5	4	0.32	0.08	0.36	0.32	0.12	0.12	0.08	0.08	0.04	0.04	0.04	0.20	2
M.Sc. Applied Geology	15	9.0	1.0	0.3	1.8	1.0	0.0	0.6	0.4	0.4	0.2	0.2	0.15	1.0	16.0
M.Sc. Biotechnology	18	11.0	1.5	0.0	1.2	1.5	0.5	0.5	0.5	0.5	0.3	0.2	0.18	1.1	19.1
M.Sc. Climate Science	15	9.0	1.2	0.3	1.4	0.4	0.5	0.5	0.3	0.3	0.2	0.2	0.15	0.9	15.1
M.Sc. Disaster management	15	9.0	1.2	0.3	1.4	1.2	0.5	0.5	0.3	0.3	0.2	0.2	0.15	0.9	15.9
M.Sc. Environmental Science	15	9.0	0.4	0.3	1.4	1.4	0.0	1.0	0.4	0.4	0.3	0.3	0.15	0.9	15.9
M.Sc Food Science and Technology	25	15.0	2.0	0.0	2.5	2.0	1.0	0.8	0.5	0.5	0.3	0.3	0.25	1.5	26.5
M.Sc Marine Biology	25	15.0	2.0	0.5	2.3	2.0	0.8	0.8	0.5	0.5	0.3	0.3	0.25	1.5	26.5
M.Sc Marine Chemistry	15	9.0	1.2	0.3	1.4	1.2	0.5	0.5	0.3	0.3	0.2	0.2	0.15	0.9	15.9
M.sc Marine Microbiology	20	12.0	1.6	0.4	1.0	1.6	0.6	0.7	0.7	0.5	0.3	0.3	0.3	1.2	21.2
M.Sc. Physical Oceanography	15	9.0	1.2	0.3	1.4	1.2	0.5	0.5	0.3	0.3	0.2	0.2	0.15	0.9	15.9
M.Sc. Remote Sensing and GIS	15	9.0	1.2	0.3	1.4	1.2	0.5	0.5	0.3	0.3	0.2	0.2	0.15	0.9	15.9
MBA (Dual Specialisation)	35	19	3	2		2	1	1		1	1	2	1	2	35
MSc Statistics	12	6	1	1		1	0	0	1	1	0		0	1	12

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, Government 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 Km. 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 Mobility 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 service connects the Cochin International Airport and Railway Stations with the Vyttila Bus hub. One could alight from Aluva or Lissie Junction or South respectively and in Kochi Metro service to reach Vyttila Hub and thereafter reach Madavana Junction, KUFOS through local bus service.

Kerala University of Fisheries and Ocean Studies (KUFOS)

Panangad P.O., Kochi - 682 506

Kerala, India.

Contact No.0484-2701085, 2275031

E-mail: admissions@kufos.ac.in

Websites : www.kufos.ac.in

www.admission.kufos.ac.in