

KERALA UNIVERSITY OF FISHERIES AND OCEAN STUDIES

KUFOS



P.G, Ph.D & PDF Programmes

PROSPECTUS 2024-25

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

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Important Dates to Remember

For Indian Students

		Post graduate programmes	Ph.D.programmes
1	Date of notification	19 March 2024	19 March 2024
2	Last date of online application	18 April 2024	18 April 2024
3	Date of entrance examination	25 May 2024	24 August 2024
4	Declaration of the result	05 June 2024	24 August 2024
5	Date of GD and interview for MBA	12 - 13 June 2024	
6	Date of admission for PG programme	26 - 29 June 2024	
7	Interview and admission for Ph. D./PDF programme		Will be announced later
8	Start of academic programme	01 July 2024	

For International Students

1	Date of notification	19 March 2024	19 March 2024
2	Last date of application	18 April 2024	18 April 2024
3	Date of admission	01 July 2024	

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 2024-25, admission to the M.F.Sc. and Ph.D programmes under the Faculty of Fisheries Science will be based on the National Testing Agency (NTA) score of ICAR- AIEEA (PG) – 2024. Admission to the M.Tech in Food Technology under the Faculty of Fisheries Engineering will be based on the GATE/NTA score and interview. Procedure for students admitted through ICAR quota is given separately (<https://icar.nta.nic.in>). For other faculties (except MBA & M.F.Sc, and M. Tech in Food Technology) the admission will be through Common Entrance Examinations conducted by KUFOS. The Admission to MBA programme will be done based on the score of KMAT, CAT and CMAT. 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	Prof. (Dr.) T. Pradeep Kumar	0484-2703781(Direct) Fax: 0484-2700337 vc@kufos.ac.in
Registrar RTI Appellate Authority	Prof. (Dr.) K. Dinesh	0484-2703782 Fax: 0484-2703782 registrar@kufos.ac.in
Finance Officer	Prof. (Dr.) K. Dinesh	0484-2701095, Fax: 0484 2701095 fo@kufos.ac.in/ financeofficerkufos@gmail.com
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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.) K. Dinesh	0484- 2700274 deanfisheries@kufos.ac.in
Dean, Faculty of Ocean Science & Technology	Prof. (Dr.) S. Suresh Kumar	0484-2275070 dean.fost@kufos.ac.in
Dean, Faculty of Fisheries	Prof. (Dr.) M.K Sajeevan	0484-2257075

Engineering		dean.ffe@kufos.ac.in
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Director of Planning & Development	Dr. M. S. Raju	0484-2700964-187 dr_plan@kufos.ac.in
Director, Public Relation & Publications	Dr. Anu Gopinath	0484-2700964-133 dprp@kufos.ac.in
Ombudsperson	Dr. B. Manoj Kumar	9447525232 ombudsperson.grc@kufos.ac.in

Links for the Faculty:

Faculty of Fisheries Science	http://kufos.ac.in/Faculty/Schools/faculty-of-fisheries/
Faculty of Ocean Science and Technology	http://kufos.ac.in/Faculty/Schools/school-of-ocean-science-and-technology
Faculty of Fisheries Management	http://kufos.ac.in/Faculty/Schools/school-of-management-and-entrepreneurship
Faculty of Fisheries Engineering	http://kufos.ac.in/Faculty/Schools/faculty-of-fisheries-engineering/

Admission core committee 2024-25 for PG & Ph. D.

(Prof.) Dr. M K Sajeevan	Professor & HoD, FRM	Chairman
Smt. Faiza A	Section Officer, Academic	Convener
Dr. Ranjeet K	Professor, AEM	Member
Dr. Maya Raman	Associate Professor & HoD, FST	Member
Dr. Afsal E M	Associate Professor & Dean, FFM	Member
Dr. Safeena M P	Assistant Professor, Dept. of AAHM	Member
Sri. Ajithkumar K L	Assistant Registrar (Acad & Exam)	Member

Sri. Vinod Xavier	Programmer	Member
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COURSES OFFERED

The details of PG/Ph.D/PDF/UG/Diploma (P.G. Diploma and Certificate programmes to be offered during the year 2024-2025 will be announced separately)
(Detailed information on Annexure I)

I. Post-graduate programmes

1. M.F.Sc.

- 1) M.F.Sc. Aquaculture
- 2) M.F.Sc. Aquatic Animal Health Management
- 3) M.F.Sc. Aquatic Environmental Management
- 4) M.F.Sc. Fish Genetics and Breeding
- 5) M.F.Sc. Fish Nutrition and Feed Technology
- 6) M.F.Sc. Fish Processing Technology
- 7) M.F.Sc. Fisheries Extension
- 8) M.F.Sc. Fisheries Resource Management
- 9) M.F.Sc. Fishing Technology & Engineering

2. M.Sc. Programmes

- 1) M.Sc. Applied Geology
- 2) M.Sc. Atmospheric Science
- 3) M.Sc. Biotechnology
- 4) M.Sc. Disaster Management
- 5) M.Sc. Environmental Sciences
- 6) M.Sc. Food Science and Technology
- 7) M.Sc. Marine Biology
- 8) M.Sc. Marine Chemistry
- 9) M.Sc. Microbiology
- 10) M.Sc. Physical Oceanography
- 11) M.Sc. Remote Sensing and GIS
- 12) M.Sc. Statistics

3. M.B.A.

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

4. M. Tech.

- 1) M. Tech Coastal and Harbour Engineering
- 2) M. Tech Ocean and Coastal Safety Engineering
- 3) M. Tech Food Technology (Food Safety and Quality Assurance)
- 4) M. Tech Coastal and Harbour Engineering (Part time)
- 5) M. Tech Ocean and Coastal Safety Engineering (Part time)

II. Ph.D Programmes

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

- 1) Faculty of Fisheries Science
- 2) Faculty of Ocean Science and Technology

- 3) Faculty of Fisheries Management
- 4) Faculty of Fisheries Engineering

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

Offered by the following faculty of the University.

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

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

- 1) Bachelor of Fisheries Science (B.F.Sc.)
- 2) Bachelor of Technology (B.Tech.- Food Technology)

V. Diploma Programme (Applications will be invited separately)

Diploma in Brackish water and Marine Aquaculture

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

- 1) PG Diploma in Aquarium Science and Technology
- 2) PG Diploma in Industrial Aquaculture

VII. Certificate Programmes (Applications will be invited separately)

- 1) Certificate Programme in Computer Aided Designing and Drafting (CADD)
- 2) 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. Only one candidate shall be considered for one course under sports quota. Along with the basic educational qualification the minimum achievement required for consideration under sports quota 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 (1st April to 31st March) previous to the year of selection shall alone be considered. However, in the case of competitions which are not organized annually, the immediate previous competitions shall be deemed as held in the previous two financial years for the purpose of this selection.

D) Children of Ex-Servicemen (ESM): One seat is reserved under this category for children of Ex-servicemen in one PG programme other than M.F.Sc. and M.Tech. Every year the ESM seat is rotated among the courses in the alphabetical order. Based on the rotation of seat, during 2024-25 academic year, one supernumerary seat under ESM shall be provided to M.Sc. Microbiology.

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 (2024-25), the seats are allotted to M.F.Sc. Fishing Technology and Engineering, M.F.Sc. Aquatic Environmental Management and M.Sc. Physical Oceanography.

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. Fisheries Extension 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

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 18 April 2024 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,
- 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 - 25 May 2024

Date of entrance examination for Ph.D Programme - 24 August 2024

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 12-13th of June 2024. In the case of M.F.Sc and M.Tech in Food Technology, there will be an interview for shortlisted candidates.

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 2024 for the post-graduate programme, (except M.F.Sc, M.Tech in Food Technology & MBA). The M.F.Sc admissions will be based on the NTA scores obtained by the students and interview. M.Tech in Food Technology admission will be based on NTA/GATE score and interview. 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, M.Tech in Food Technology under Faculty of Fisheries Engineering and MBA under Faculty of Fisheries Management) will be done based on the KUFOS entrance examination results. Students shall be admitted to the programme from the respective rank list. Students once allotted to the course of their choice shall not be allowed to change later.
- 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 2024 of ICAR. Admission for M.Tech in Food Technology will be based on NTA/GATE score. Students can upload their NTA/GATE 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

Students shall be admitted to MFSc programme based on the overall rank list, reservation quota and choice of the course at the time of admission. Students once allotted the course of their choice shall not be allowed to change later.

- 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 proceeding 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 - 01 July 2024

Date of admission for Ph.D. Programme - Will be announced later

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 (to be announced later), 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 2024-25 and are liable to be modified by executive order of the University from 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 equivalent to the Admission Fee. The student also has to pay the full fee of the admissible semester. Ph.D scholars availing fellowship from the Departments are liable to pay all prescribed fees as per the schedule. Part time/Evening course students are not entitled for any educational concessions.

XV. SCHOLARSHIPS AND FELLOWSHIPS

KUFOS students are eligible for availing all fee 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, insurance fee of Rs. 178/- (including GST) per annum shall be remitted by all students irrespective of the category they belong to, on the day of admission itself. 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 ASSURANCECELL (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 AGAINST RAGGING/OTHERS

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.

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

enchancing 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, PAYYANUR

The KUFOS Regional Centre 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, PAYYANNUR

The College of Fisheries, Payyanur 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 Central Instrumentation Facility at Kerala University of Fisheries and Ocean Studies is located in the Academic block in the Eastern Campus, Panangad. This Facility has sophisticated instruments such as Gas Chromatography equipped with Mass Spectroscopy, High-Performance Liquid Chromatography, Ultra Centrifuge, etc. All equipment are operated by trained technicians. Researchers and students outside KUFOS can make use of our Central Instrumentation Facility by paying the fee fixed by the University. To facilitate the use by outside students, an online booking platform has been implemented.

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 KOHA Manupatra, Jgate, CeRA, Astral eBooks, Cambridge eBooks, DELNET and KUFOS Digital Library. Knimbus eLibrary and mLibrary which provide one-point search and access to the subscribed and selected open access e-resources is also available in the 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 Science. 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. Athletics eight lane 400m synthetic track is proposed in the campus.

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.

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. Admission to hostels shall be based on distance as criteria. Students whose permanent residence is located at or more than 25 kms around Madavana are only eligible for admission to hostels. However, the differently abled students are exempted from this rule. There shall be no restriction or admission to hostels for these students.

Allotment shall be made in the Ratio 50:50.ie,50% of vacancies for general category students and the other 50% shall be reserved as follows:

SC	10%
ST	2%
OEC	10%
CoF	20%
Lakshadweep	3%
PH	5%

ICAR students from other states shall be given priority in the 50% of seats reserved for general category. Under each category, priority of admission shall be based on distance.

INTERNATIONAL HOSTEL FACILITY

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

KUFOS AMENITY CENTRE

The amenity centre is a common facility for public at Madavana junction, Panangad. It has facilities such as modern fish kiosk and special sales counter to sell live fish produced at the University and food products developed by the students. This is to encourage entrepreneurial initiatives and experiential learning programmes for students. The Department of Fish Processing Technology in association with the plan projects Model Fish Processing Plant and Training Centre (MFPTC) and Earn While You Learn (EWYL) has established “Model Fish and Fish Products Sales Outlet” at Amenity Centre, KUFOS. Model Fish & Fish Products Sales outlet has

received License (B4-2174/2022-2023) from Kumbalam Grama Panchayat and Registration certificate (Registration Number: 21321186000232) from Food Safety and Standards Authority of India (FSSAI). The fish outlet ensures the sale of quality fishes and value added fish products to its customers and continue its functioning in the upcoming years.

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 subsidised rate.

MEDICAL FACILITY

The medical facilities to maintain the proper health of staff and students is available in the University campus. The Medical Practitioner is available on Tuesday and Friday on every week from 01.30 to 5.30 pm. A qualified Counsellor is also available in the campus to help students and staff to maintain mental health and is available on every Monday, Wednesday and Thursday from 01.00 to 5.00 pm.

ATAL INCUBATION CENTRE

The Atal Incubation Centre (AIC) KUFOS Kochi Foundation at Kerala University of Fisheries and Ocean Studies is a pioneering initiative established in alignment with the Atal Innovation Mission (AIM), NITI Aayog, dedicated to fostering innovation and entrepreneurship in the fisheries and ocean studies domain. Our mission is to support and nurture start-ups that leverage cutting-edge technology and sustainable practices to address challenges and opportunities in the marine sector. The objective is to empower aspiring entrepreneurs to transform innovative ideas into scalable businesses and facilitate the development and commercialization of products and services that enhance sustainability, productivity, and resilience in the fisheries and ocean studies sector.

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. St. Albert's College, Ernakulam.
12. Indian Institute of Spices Research (IISR), Kozhikode.
13. Naipunya Business School, Thrissur.
14. Leads College of Management, Palakkad.
15. Centre for Water Resource Development and Management

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. Export Inspection Agency (EIA), Kochi
5. Seafood Exporters Association of India (Kerala region), Kochi
6. National Centre for Earth Science Studies (NCESS), Trivandrum
7. Indian National Centre for Ocean Information Services (INCOIS), Hyderabad
8. Agricultural Skill Council of India (ASSCI)
9. ICAR-Indian Institute of Spices Research, Kozhikode.
10. Centre for Marine Living Resources and Ecology (CMLRE), Kochi
11. Vidyodaya School, Kochi.
12. Nansen Environmental Research Centre India (NERCI), Kochi
13. Kerala State Remote Sensing and Environment Centre, (KSREC), Thiruvananthapuram
14. Agency for Development of Aquaculture (ADAK, Kerala)
15. Peninsular and Marine Fish Genetic Resources Centre, ICAR-NBFGR, Kochi.
16. KSCSTE- Centre for Water Resources Development and Management (CWRDM), Kozhikode
17. Bay of Bengal Programme- Intergovernmental Organization (BOBP-IGO)
18. Amla Eco Clean Pvt. Ltd., Varanad, Cherthala, Alappuzha-688539
19. Meridian Biotech India Pvt. Ltd., Ahmedabad, Gujrat-382350
20. Bheema Environment Technology (BET), Attingal, Trivandrum-102

21. Indian Marine Ingredients Association, KH Road, Bangalore-560027
22. Ludwig-Maximilians University Center of Excellence in Aquatic Veterinary Medicine Biosecurity and Education, Munich, Germany.
23. Kerala Development and Innovation Strategic Council (K-DISC)

XXIV. INTERNATIONAL UNIVERSITIES AND RESEARCH INSTITUTES ASSOCIATED WITH KUFOS

1. Bournemouth University, United Kingdom
2. Hawassa University, Ethiopia
3. Texas State University
4. Gender in Aquaculture and Fisheries Section of the Asian Fisheries Society, Malaysia
5. Aquaculture without Frontiers (AwF), Australia
6. Van Hall Larenstein UAS, Velp, the Netherlands

ACADEMIC EXCHANGE PROGRAMME BETWEEN KERALA AND NORWAY

As a follow up action to the visit of the Hon'ble Chief Minister to Norway in 2022, it was decided to strengthen the academic collaboration with KUFOS and Norwegian institutions vide G.O.(Rt).No.251/2023/PIE&MD dated.21.09.2023. This project aims at sending 9 students and 1 young faculty member to Norway for a three-month short-term skill development program. This is to expose the participants to various areas of research and education related to fisheries, with a focus on strengthening their overall ability with the latest technologies and protocols in fisheries. The ultimate goal is to apply the newly acquired skills in our country, particularly in the State of Kerala. Initially, the program will prioritize sending Ph.D./MFSc. students from the Faculty of Fisheries Science. Subsequently, students from other faculties whose work or research aligns with the objectives of the proposal will also get the opportunity. As part of this program, 5 Norwegian students will be hosted at the Kerala University of Fisheries and Ocean Studies (KUFOS) for short-term skill acquisition in tropical aquaculture. The topics covered during their visit will include aquaculture, fish processing technology, aquatic health management, fishing technology, fisheries management, fisheries resource management and aquatic environment management.

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. KUFOS has been accepted as Local Chapter under the Nodal Chapter, Indian Institute of Technology, Madras. The students are encouraged to undertake NPTEL/SWAYAM MOOC courses during their under-graduate and post-graduate programmes. A DTH facility is also established for online courses for students. The University is offering two MOOC courses through NPTEL-SWAYAM platform from July 2023. The courses are “Food packaging Technology and Canning Technology and Value addition of Seafood”.

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 Environmental 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	3	11
2	Aquaculture	Fish Nutrition and Feed Technology	4	1	5
3	Aquaculture	Fish Genetics and Breeding	4	2	6
4	Aquatic Animal Health Management	Aquatic Animal Health Management	8	3	11
5	Aquatic Environment Management	Aquatic Environmental Management	8	3	11
6	Fish Processing Technology	Fish Processing Technology	8	3	11
7	Fishing Technology	Fishing Technology and Engineering	4	2	6
8	Fisheries Extension Economics & Statistics	Fisheries Extension	4	1	5
9	Fisheries Resource	Fisheries Resource Management	8	3	11

Management			
TOTAL	56	21	77

6. MODE OF SELECTION

Through the common entrance examination conducted by NTA. Candidates should have NTA score of ICAR – AIEEA (PG) 2024 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>).

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 50% marks or 5.5/10.0 OGPA or 2.2/4.0 OGPA (for SC/ST students, relaxation as per the regulation) 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.

2. (ii) M. Sc. Atmospheric Science

1. INTRODUCTION

The climate on the earth has 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 University degree with 50% or 5.5/10.00 or 2.2/4.0 marks (for SC/ST students, relaxation as per the regulation) in any of the following subjects:

BSc degree in Physics/Mathematics or Any branch of Science with Physics/Mathematics as complementary subjects.

or

B.E./ B.Tech. in any subjects (both Physics and Mathematics should be subjects during Graduation).

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 Atmospheric Science graduates have many employments / research both in India and abroad. They have opportunities in the institutions such as 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 and reputed Universities in India and abroad.

I. 2. (iii) 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 (for SC/ST students, relaxation as per the regulation) 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.

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 (for SC/ST students, relaxation as per the regulation)

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 (for SC/ST students, relaxation as per the regulation)

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

Graduate degree with 50% marks or 5.5/10.0 OGPA or 2.2/4.0 OGPA (for SC/ST students, relaxation as per the regulation) 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
10. B. Voc. Food Processing Technology/ Food 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 (for SC/ST students, relaxation as per the regulation) 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
11. B. Sc. Marine Science
12. B.Voc. Aquaculture

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's Degree in Chemistry with 50 % or 5.5/10.0 or 2.2/4.0 marks (for SC/ST students, relaxation as per the regulation)

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. 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's in Science degree with 50% marks or 5.5/10.0 OGPA or 2.2/4.0 OGPA (for SC/ST students, relaxation as per the regulation) 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 (for SC/ST students, relaxation as per the regulation) in any of the following subject combinations.

1. B. Sc. Degree with Physics or Mathematics or Statistics, either as Main or subsidiary courses
2. B. Tech Civil Engineering
3. B. Tech Mechanical Engineering

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 proceeding 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

The Master of Science (MSc) in Remote Sensing and Geographic Information Systems (GIS) is an advanced and interdisciplinary program designed to equip students with the knowledge and skills necessary to harness the power of cutting-edge technologies in the field of geospatial analysis. This program delves into the theoretical foundations and practical applications of remote sensing and GIS, offering a comprehensive understanding of how these tools contribute to addressing complex spatial challenges in various industries. Students in this program will explore the latest advancements in satellite and airborne remote sensing, spatial data acquisition, and geospatial analysis techniques. Through a combination of academic rigor and hands-on experience, graduates of the MSc in Remote Sensing and GIS emerge with the expertise to navigate the rapidly evolving landscape of geospatial technology and make meaningful contributions to fields such as Earth and Environmental management science, urban planning, natural resource assessment, and disaster management.

2. OBJECTIVES

The objectives of the Remote Sensing and GIS course are to equip the MSc Graduates with state-of-the-art knowledge in Geospatial Science to meet the growing demands of geospatial industry as well as academia in the country.

3. ELIGIBILITY

A University degree with 55% or 5.5/10.00 or 2.2/4.0 marks (for SC/ST students, relaxation as per the regulation) in any of the following subjects. Bachelor's degree in Physics/ Geophysics / Geology/Geography/Mathematics/Computer Application/ Computer Science/ Physics with Computer Applications/Statistics/Environmental Sciences/Agriculture/ Botany/ Environment and Water Management, Natural Sciences/ Fishery and Life Sciences

OR

B.E./ B. Tech in Civil Engineering/Mechanical Engineering/Geo-informatics/Computer Science Engineering/ Agricultural engineering/ Electrical Engineering/ Electronics & Communication Engineering/ Petroleum Engineering/ Aerospace Engineering

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

Graduates of the MSc in Remote Sensing and GIS are well-positioned for diverse and dynamic employment opportunities across various sectors. The increasing demand for spatial data expertise has opened doors to careers in environmental consulting firms, where professionals contribute to ecological assessments, land-use planning, and natural resource management. Government agencies involved in environmental monitoring, urban development, and disaster response seek individuals with expertise in remote sensing and GIS for roles in policy development and implementation. Private industries, including energy, agriculture, and forestry, actively recruit professionals who can leverage geospatial technologies to optimize operations and improve decision-making processes. Additionally, research institutions and academia provide opportunities for graduates to engage in cutting-edge research, advancing the field and contributing to the development of new technologies. As the global reliance on spatial data continues to grow, the MSc in Remote Sensing and GIS opens doors to a wide array of rewarding careers at the intersection of technology, environmental science, and decision support systems. National institutes such as ISRO-IIRS, ISRO-SAC, IIT, IISc, IISER, NIT, Central Universities and Research Institutions such as CWRDM, KFRI, NATPAC etc and State Universities are also recruiting MSc in Remote Sensing and GIS graduates frequently.

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 (for SC/ST students, relaxation as per the regulation).

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 other 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, service

organization and food business, commercial banks and 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 including B. Voc. or professional graduates from Indian/Foreign Universities recognized by KUFOS/UGC with a minimum of 50% marks or equivalent CGPA in aggregate in optional subjects under the system (10+2+3); (SC /ST candidates are eligible for 5% concession).

or

- b) All professional graduates of State Agricultural Universities/Deemed Universities under the ICAR system with a minimum OGPA of 6.0/10.0 (5.5/10.0 for SC /ST Candidates).

- c) Candidates awaiting their final results of the qualifying degree/marks can also apply for the MBA course, but they should have secured their qualifying marks before the commencement of the first semester examination. If they fail to do so their admission will be cancelled.
- d) Admission to the MBA programme is based on the score of:
 - i) KMAT (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. Placement assistance is provided to students in terms of finishing school programmes, training and skill development sessions etc. In the past, many have joined premier companies in India and abroad across various sectors including FMCG, IT, banking and financial services, logistics, retailing, fisheries, exporting, telecom 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 (for SC/ST students, relaxation as per the regulation).

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 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 (for SC/ST students, relaxation as per the regulation).

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, port and harbour. Environmental and disaster management authorities and organizations are also in need of experts in Coastal and marine safety.

I. 4. (iii) M. Tech. in Food Technology (Food Safety and Quality Assurance)

1. INTRODUCTION

This course focuses on providing technologists with mastery over knowledge, proficiency, and skills for developing innovations in the food sector to enhance the safety and quality of food. Ultimately, graduates will be equipped with a holistic understanding of the aspects related to food spoilage, preservation, adulteration, and food-borne diseases. The students will also acquire competence in proposing, analysing, and advising on food-related rules, regulations, and policies.

2. OBJECTIVES

The M. Tech course in Food Technology is expected to mould the students to utilize and maintain advanced food quality assurance systems and food safety measures that converge with international standards. Expertise in innovative methods and technological solutions for food preservation, to improve the shelf life of food will also be acquired through this course. The M. Tech course will be giving importance to improving the research aptitude of the pupil.

3. ELIGIBILITY:

B.E/B.Tech. degree in Food Technology/ Food Sciences/Food Science and Technology/Food Technology and Management/Dairy Technology/Dairy Technology and Food Technology/Agricultural and Food Engineering/ Bio chemical Engineering/ Chemical Engineering OR M.Sc. degree in Food Science and Technology / Food Technology/ Food Microbiology from a recognised University/ Institute with minimum 60% (CGPA=6) marks. Applicants with MSc degree may be asked to register for deficiency course (s) as per the curriculum. (For SC/ST students, relaxation as per the regulation).

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

The admission to M. Tech programme will be based on a valid GATE (Graduate Aptitude Test for Engineers) / NTA (National Testing Agency score of ICAR-AIEEA (PG) 2024) score followed by interview. Merit list will be prepared by giving a weightage of 80% to GATE/NTA score and 20% to interview. GATE qualified candidates will be given preference.

7. EMPLOYMENT OPPORTUNITIES

M. Tech Food Technology graduates can be hired in the food industries- as quality control managers, quality analysts, packaging inspectors, research and development officers, laboratory supervisors, etc. In academia, they can serve as Teachers/Professors and trainers/trade instructors. Scientists and Research scholars in research institutions are also a prospective career option for M. Tech graduates. They can as well be entrepreneurs in individual or corporate firms. They can also work as sales persons or managers of equipment, additives, or packaging materials used in the food sector. Besides, they can work with Government or accreditation agencies towards food safety monitoring and rules/regulation/policy execution.

I. 4. (iv) M.Tech Coastal and Harbour Engineering – Part-time

1. INTRODUCTION

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. Engineers and technologist working in the field of port, harbour, shipyards and

other organisations related to marine structure need exposure to the new developments in the field. Hence, a specialized program in Coastal and Harbour Engineering is designed for upgradation of their skill and knowledge. The minimum duration of the M. Tech programme will normally be three years consisting of six semesters. The maximum duration that a student can take to complete a programme will be six years consisting of twelve semesters.

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 Engineering/ Mechanical Engineering / Marine Engineering / Naval Arch. 55% preferably with GATE. Sponsored candidates from Industries, R&D organizations, National Laboratories as well as Educational Institutions, with a B.Tech. in Civil Engineering / Mechanical Engineering / Marine Engineering / Naval Arch. are eligible for admission to the M.Tech Programme.

Sponsored candidates must have a minimum experience of three years in the relevant field. Candidate must be sponsored by University or Industry/Teaching/Research Organizations of Centre/State Government/Private or by Private Engineering Colleges approved by AICTE

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, internships, 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 the common entrance examination conducted by KUFOS.

7. EMPLOYMENT OPPORTUNITIES

Coastal & Harbour Engineers are required by the port and harbour industry. Government and quasi-Government organizations concerned with harbour development and management require their expertise. The expertise of coastal engineers is required 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. (v) M.Tech Ocean and Coastal Safety Engineering- Part-time

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. Engineers and technologists working in the field of port, harbour, shipyards and other organisations related to marine structure need exposure to the new developments in the field. Hence, a specialized program in Coastal and Harbour Engineering is designed for upgradation of their skill and knowledge. The minimum duration of the M. Tech programme will normally be three years consisting of six semesters. The maximum duration that a student can take to complete a programme will be six years consisting of twelve semesters.

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 Engineering / Mechanical Engineering / Safety & Fire / EEE / Naval Arch / 55% marks preferably with GATE. Sponsored candidates from Industries, R&D organizations, National Laboratories as well as Educational Institutions, with a B.Tech. in Civil Engineering / Mechanical Engineering / Marine Engineering / Naval Arch. are eligible for admission to the M.Tech Programme. Sponsored candidates must have a minimum experience of three years in the relevant field. Candidate must be sponsored by University or Industry/Teaching/Research Organizations of Centre/State Government/Private or by Private Engineering Colleges approved by AICTE.

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 the common entrance examination conducted by KUFOS 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>).

7. EMPLOYMENT OPPORTUNITIES

M. Tech Food Technology graduates can be hired in the food industries- as quality control managers, quality analysts, packaging inspectors, research and development officers, laboratory supervisors, etc. In academia, they can serve as Teachers/Professors and trainers/trade instructors. Scientists and Research scholars in research institutions are also a prospective career option for M. Tech graduates. They can as well be entrepreneurs in individual or corporate firms. They can also work as salespersons or managers of equipment, additives, or packaging materials used in the food sector. Besides, they can work with Government or accreditation agencies towards food safety monitoring and rules/regulation/policy execution.

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) 2024

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 (for SC/ST students, relaxation as per the regulation).

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.

* The updated list of Ph. D guides and the number of seats available are given in the University website: www.kufos.ac.in

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 180 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

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

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 <i>(course code as per prospectus)</i>	Total Intake	State Govt.Seats <i>(Seats to be allotted by the CEE, Give detailed split up, if any)</i>	Other Seats <i>(seats not allotted by the CEE including AIQ Seats. Give Split –up)</i>
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.

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****M.F.Sc. programmes**

Sl. No.	Item	Amount (in Rs.)				Total
		1 st semester	2 nd semester	3 rd semester	4 th semester	
1	Admission fee	5000	0	0	0	5000
	Caution Deposit (refundable)	3000	0	0	0	3000
2	Tuition fee (per semester)	17700	17700	17700	17700	70,800
Special Fee :						
3	Library fee (per semester)	500	500	500	500	2000
	Stationery fee (per semester)	500	500	500	500	2000
	Athletic/Sports/Games fee (per semester)	250	250	250	250	1000
	Association fee (per semester)	100	100	100	100	400
	Magazine fee (per semester)	250	250	250	250	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	30,728	22,550	22,728	22,550	98,556

M.Sc. 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	5000	0	0	0	5000
	Caution Deposit (refundable)	3000	0	0	0	3000
2	Tuition fee (per semester)	30000	30000	30000	30000	1,20,000
Special Fee :						
3	Library fee (per semester)	500	500	500	500	2000
	Stationery fee (per semester)	500	500	500	500	2000
	Athletic/Sports/Games fee (per semester)	250	250	250	250	1000
	Association fee (per semester)	100	100	100	100	400
	Magazine fee (per semester)	250	250	250	250	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		43,028	34,850	35,028	34,850	1,47,756

MSc. Statistics

Sl. No.	Item	Amount (in Rs.)				Total
		1 st semester	2 nd semester	3 rd semester	4 th semester	
1	Admission fee	5000	0	0	0	5000
	Caution Deposit (refundable)	3000	0	0	0	3000
2	Tuition fee (per semester)	24000	24000	24000	24000	96,000
Special Fee :						
3	Library fee (per semester)	500	500	500	500	2000
	Stationery fee (per semester)	500	500	500	500	2000
	Athletic/Sports/Games fee (per semester)	250	250	250	250	1000
	Association fee (per semester)	100	100	100	100	400
	Magazine fee (per semester)	250	250	250	250	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	-	-	-	1000	1000
	Semester Examination fee	2000	2000	2000	2000	8000
	Total	37,028	28,850	29,028	29,850	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	5000	0	0	0	5000
	Caution Deposit (refundable)	3000	0	0	0	3000
2	Tuition fee (per semester)	30000	30000	30000	30000	1,20,000
Special Fee :						
3	Library fee (per semester)	500	500	500	500	2000
	Stationery fee (per semester)	500	500	500	500	2000
	Athletic/Sports/Games fee (per semester)	250	250	250	250	1000
	Association fee (per semester)	100	100	100	100	400
	Magazine fee (per semester)	250	250	250	250	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	-	-	-	-	-
	Semester Examination fee	2000	2000	2000	2000	8000
	Total	43,028	34,850	35,028	34,850	1,47,756

M. Tech Programmes

1. Coastal and Harbour Engineering

2. Ocean and Coastal Safety Engineering

Sl. No.	Item	Amount (in Rs.)				Total
		1 st semester	2 nd semester	3 rd semester	4 th semester	
1	Admission fee	5000	0	0	0	5000
	Caution Deposit (refundable)	3000	0	0	0	3000
2	Tuition fee (per semester)	36000	36000	36000	36000	1,44,000
Special Fee :						
3	Library fee (per semester)	500	500	500	500	2000
	Stationery fee (per semester)	500	500	500	500	2000
	Athletic/Sports/Games fee (per semester)	250	250	250	250	1000
	Association fee (per semester)	100	100	100	100	400
	Magazine fee (per semester)	250	250	250	250	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	49,028	40,850	41,028	40,850	1,71,756

M.Tech (Part Time)

1. Coastal and Harbour Engineering

2. Ocean and Coastal Safety Engineering

Sl. No.	Item	Amount (in Rs.)				Total
		1 st semester	2 nd & 4 th semester	3 rd & 5 th semester	6 th semester	
1	Admission fee	5000	0	0	0	5000
	Caution Deposit (refundable)	3000	0	0	0	3000
2	Tuition fee (per semester)	22000	22000	22000	22000	1,32,000
Special Fee :						
3	Library fee (per semester)	500	500	500	500	3000
	Stationery fee (per semester)	500	500	500	500	3000
	Athletic/Sports/Games fee (per semester)	250	250	250	250	1500
	Association fee (per semester)	100	100	100	100	600
	Magazine fee (per semester)	250	250	250	250	1500
	University Union fee (per semester)	250	250	250	250	1500
	Computer fee (per semester)	1000	1000	1000	1000	6000
	Insurance premium (annual)	178	0	178	0	534
4	Dissertation/Viva-voce	-	-	-	2000	2000
	Semester Examination fee	2000	2000	2000	-	10000
	Total	35,028	26,850	27,028	26,850	1,69,634

M.Tech Food Technology (Food Safety and Quality Assurance)

Sl. No.	Item	Amount (in Rs.)				Total
		1 st semester	2 nd semester	3 rd semester	4 th semester	
1	Admission fee	5000	0	0	0	5000
	Caution Deposit (refundable)	3000	0	0	0	3000
2	Tuition fee (per semester)	27500	27500	27500	27500	1,10,000
Special Fee :						
3	Library fee (per semester)	500	500	500	500	2000
	Stationery fee (per semester)	500	500	500	500	2000
	Athletic/Sports/Games fee (per semester)	250	250	250	250	1000
	Association fee (per semester)	100	100	100	100	400
	Magazine fee (per semester)	250	250	250	250	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		40,528	32,350	32,528	32,350	1,37,756

I. Other fees

Sl. No.	Item	Amount(in Rs.)
1	Late Registration of Semester (i) within 15 days from the last date of registration (ii) beyond 15 days and within 30 working days (iii) beyond 30 days and within 60 working days (iv) beyond 60 days and up to 6 months (with the prior permission from the competent authority)	Nil 500 1000 2000 for each month
2	Duplicate Identity Card	500
3	Comprehensive Examination fee (only for MFSc.)	650
4	Late fee for submission of thesis PG	500
5	Re - Examination/Repeat Examination (per paper)	750
6	Revaluation (per paper)if applicable	600

II. Certificates/Mark lists:

Sl. No.	Item	Amount (in Rs.)
1	Master's Degree Certificate	1,500
2	Provisional degree Certificate	500
3	Transcript for PG courses	2000
4	For issuing Certificates or copies of documents authenticated by the Registrar for transmission to foreign Universities (per copy)	1000
5	For issuing certified extracts from the records of the University	500
6	Migration Certificate	500
7	Rank Certificate	500
8	Duplicate Certificate , excluding postage charges	3000
9	Equivalency Certificate	500
10	Certificate other than mentioned above	500
11	Duplicate Marklist	500

Ph.D.programmes (for all faculties)

Sl. No	Item	Amount (Rs)				Total
		1 st semester	2 nd , 4 th , 6 th & 8 th Semester	3 rd , 5 th , 7 th & 9 th Semester	10 th Semester	
1	Admission fee	5000	0	0	0	5,000
	Caution Deposit (refundable) **	3000	0	0	0	3,000
2	Tuition fee (per semester)	17000	17000	17000	17000	1,70,000
3	Special fee :					
	Library fee (per semester)	500	500	500	500	5000
	Stationary fee (per semester)**	500	500	500	500	5000
	Athletics/Sports /games fee (per semester)**	250	250	250	250	2500
	Association fee (per semester)**	100	100	100	100	1000
	Magazine fee (per semester)	250	250	250	250	2500
	University Union fee (per semester)**	250	250	250	250	2500
	Laboratory fee (Per semester)**	1000	1000	1000	1000	10000
	Insurance premium (annual)**	178	0	178	0	890
4	Open defense /Viva-Voce	-	-	-	5000	5000
	DC Meeting for 6 months review	2000	2000	2000	2000	20000
	Total (for Ph.D Scholars admitted at KUFOS)	30,028	21,850	22,028	26,850	2,32,390
5	Total (for PhD Scholars admitted at approved Research Centre)	24,750	19,750	19,750	24,750	2,07,500

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

I.(a) Other fees:

Sl. No.	Item	Amount (Rs.)
1	Late Registration of Semester (i) within 15 days from the last date of registration (ii) beyond 15 days and within 30 working days (iii) beyond 30 days and within 60 working days (iv) beyond 60 days and up to 6 months (with the prior permission from the competent authority)	Nil 500 1000 2000 for each month
2	Duplicate Identity Card	500
3	Re - Examination/Repeat Examination (per paper)	750
4	Revaluation (per paper) if applicable	500

I (b) other fees for PhD scholars:

Sl. No	Item	Amount
1	Late fee for submission of thesis	Rs.3,000/-
2	Fee for extending time for submission of thesis	Up to six months : Rs.3,000/- Beyond six months: Rs.5,000/-
3	Fee for extending time for appearing course work examination	Up to six months : Rs.1,500/- Beyond six months: Rs.3,000/-
4	Conversion of Ph.D. registration from full time to part time and vice versa	Rs.2,000/-
5	Change in Title	Rs.2,000/-
6	Pre submission seminar presentation fee	Rs. 2,000/-
7	Caution Deposit for temporary discontinuation (Refundable)	Rs. 25,000/-
8	Re admission fee (within 2 years) after discontinuation	Rs.1000/-

II. Certificates/ Mark lists:

Sl. No	Item	Amount (in Rs.)
1	Doctorate Degree Certificate	2500
2	For issuing Certificates or copies of documents authenticated by the Registrar for transmission to foreign Universities (per copy)	1000
3	For issuing certified extracts from the records of the University	500
4	Migration Certificate	500
5	Rank Certificate	200
6	Duplicate Certificate, excluding postage charges	5000
7	Equivalency Certificate	500
8	Certificate other than mentioned above	500
9	Duplicate Marklist	500

Hostel Fees

Sl. No	Description	Fee (in Rs.)
1	Caution deposit at the time of admission to Ladies & Men's Hostels for all students irrespective of course	2,400/-
2	Hostel fee for UG students at the Ladies & Men's Hostels	2,400/- per semester including electricity and water charges
3	Hostel fee for PG students at the Ladies & Men's Hostels	3,000/- per semester including electricity and water charges
4	Hostel fee for International hostel (Any students/ PhD Scholars)	3,500/- per semester including electricity and water charges
5	Guest charges at the Ladies / Men's Hostels	100/- per day with the prior permission of the Assistant Warden of the respective Hostel

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	5000	0	0	5000
	Caution Deposit (refundable)	3000	0	0	3000
2	Tuition fee (per semester)	8850	8850	8850	70,800
3. Special fee :					
	Library fee (per semester)	500	500	500	4000
	Stationary fee (per semester)	500	500	500	4000
	Athletics/Sports /Games fee (per semester)	250	250	250	2000
	Association fee (per semester)	100	100	100	800
	Magazine fee (per semester)	250	250	250	2000
	University Union fee (per semester)	250	250	250	2000
	Computer fee (Per semester)	1000	1000	1000	8000
	Insurance premium (annual)	178	0	178	712
4	Semester Examination fee*	2000	2000	2000	16000
	Total	21,878	13,700	13,878	1,18,312

B Tech. Food Technology

Sl.No	Item	Amount (in Rs.)			
		1 st Semester	2 nd , 4 th , 6 th & 8 th Semesters	3 rd , 5 th & 7 th Semesters	Total
1	Admission fee	5000	0	0	5000
	Caution Deposit (refundable)	3000	0	0	3000
2	Tuition fee (per semester)	35000	35000	35000	2,80,000
Special fee:					
3	Library fee (per semester)	500	500	500	4000
	Stationery fee (per semester)	500	500	500	4000
	Athletic/Sports/ Games fee (per semester)	250	250	250	2000
	Association fee (per semester)	100	100	100	800
	Magazine fee (per semester)	250	250	250	2000
	University Union fee (per semester)	250	250	250	2000
	Computer fee (per semester)	1000	1000	1000	8000
	Insurance premium (annual)	178	0	178	712
4	Semester Examination fee	2000	2000	2000	16000
	Total	48,028	39,850	40,028	3,27,512

The above fee is prescribed for the students who secure admission during the academic year 2024-25.

I. Other fees

Sl. No.	Item	Amount (Rs.)
1	Late Registration of Semester (i) within 15 days from the last date of registration (ii) beyond 15 days and within 30 working days (iii) beyond 30 days and within 60 working days (iv) beyond 60 days and up to 6 months (with the prior permission from the competent authority)	Nil 500 1000 2000 for each month
2	Duplicate Identity Card	500
3	Re - Examination/Repeat Examination (per paper)	750
4	Revaluation (per paper) if applicable	600

II. Certificates/Mark lists:

Sl. No.	Item	Amount (Rs.)
1	Bachelor's Degree Certificate	1,200
2	Provisional degree Certificate	500
3	Transcript for UG courses	2000
4	For issuing Certificates or copies of documents authenticated by the Registrar for transmission to foreign Universities (per copy)	1000
5	For issuing certified extracts from the records of the University	500
6	Migration Certificate	500
7	Rank Certificate	500
8	Duplicate Certificate , excluding postage charges	2,400
9	Equivalency Certificate	500
10	Certificate other than mentioned above	500
11	Duplicate Marklist	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%
	Dheevara 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 (ICAR+KUFOS Seats)	General seats	SC	ST	EZ	MU	BH	LC AI	DV	VK	KN	BX	KU	EW S
Reservation		60%	8%	2%	9%	8%	3%	3%	2%	2%	1%	1%	1%	10 % Gen
MFSc Aquaculture	11	3	0.58	0.36	0.52	0.84	0.7	0.24	0.44	0.16	0.08	-0.78	0.08	1
MFSc Fish Nutrition and Feed Technology	5	1.6	-0.04	0.18	0.76	0.24	-0.04	0.32	0.12	0.18	0.08	0.04	0.08	0.4
MFSc Animal Health Management	11	3.6	0.64	0.16	1.32	-1.58	0.54	0.58	-0.46	0.26	0.08	0.08	0.08	0.4
MFSc Fisheries Resource Management	11	3	1	0.36	1.08	0.84	0.08	0.28	0.26	-0.04	0.08	-0.76	0.08	1
MFSc Aquatic Environmental Management	11	3.42	1.18	0.64	-0.14	1.1	0.5	-0.96	0	0.2	0.08	0.08	-0.54	0.8
MFSc Fishing Technology & Engineering	6	1.6	-0.36	0.16	0.56	0.52	0.12	0.12	0.12	0.16	0.08	0.08	0.08	
MFSc Fish Processing Technology	10	3.2	1.06	0.37	1.05	0.68	0.34	-0.47	0.26	-0.2	-0.84	0.16	0.08	0.8
MFSc Fisheries Extension	5	1.6	0.28	0.12	0.6	-0.24	0.3	0.22	0.12	0.12	0.08	0.08	0.08	0.4
MFSc Fish Genetics & Breeding	6	1.6	0.32	0.16	0.36	0.32	0.12	0.16	0.16	0.16	0.08	0.08	0.08	0.4
M.Sc. Applied Geology	15	9.0	1.0	0.6	3.6	2.0	0.0	0.7	0.5	0.5	0.3	0.2	0.19	1.8
M.Sc. Atmospheric Science	15	9.0	1.2	0.6	2.8	0.8	1.0	1.0	0.6	0.6	0.4	0.4	0.3	0.9
M.Sc. Biotechnology	18	11.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.6	0.4	0.36	1.2
M.Sc. Disaster management	15	9.0	1.4	0.6	1.8	1.4	0.0	1.0	0.6	0.6	0.4	0.4	0.3	0.9
M.Sc. Environmental Science	15	9.0	-0.2	0.6	1.8	1.8	-1.0	2.0	0.8	0.8	0.6	0.6	0.3	0.9
M.Sc Food Science and Technology	25	15.0	2.0	0.0	3.0	2.0	1.0	0.6	0.0	0.0	0.6	0.6	0.5	2.0
M.Sc Marine Biology	25	15.0	1.0	1.0	2.6	2.0	0.6	0.6	0.0	1.0	0.6	0.6	0.5	2.4
M.Sc Marine Chemistry	15	9.0	2.4	0.6	1.8	2.4	1.0	1.0	0.6	0.6	0.4	0.4	0.3	1.8
M.sc Microbiology	20	12.0	1.2	0.8	0.0	1.2	1.2	0.4	0.4	1.0	0.6	0.6	0.6	2.4
M.Sc. Physical Oceanography	15	9.0	2.4	0.6	2.8	2.4	1.0	1.0	0.6	0.6	0.4	0.4	0.3	1.8
M.Sc. Remote Sensing and GIS	15	9.0	1.4	0.6	2.8	1.4	1.0	1.0	-0.4	0.6	0.4	0.4	0.3	0.8
M Tech Costal & Harbour Engineering (FT)	15	9.0	1.2	0.3	1.35	1.2	0.45	0.45	0.3	0.3	0.15	0.15	0.15	0.9
M Tech Costal & Harbour Engineering	15	9.0	1.2	0.3	1.35	1.2	0.45	0.45	0.3	0.3	0.15	0.15	0.15	0.9

(PT)														
M Tech Ocean & Coastal Safety Engineering (FT)	10	6.0	0.8	0.2	0.9	0.8	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.6
M Tech Ocean & Coastal Safety Engineering (PT)	15	9.0	1.2	0.3	1.35	1.2	0.45	0.45	0.3	0.3	0.15	0.15	0.15	0.9
M Tech Food Technology (Food Safety and Quality Assurance)	15	9	1.2	0.3	1.35	1.2	0.45	0.45	0.3	0.3	0.15	0.15	0.15	0.9
MBA (Dual Specialisation)	35	19	3	2	1	2	1	1	0	1	1	1	1	2
MSc Statistics	12	6	1	1	1	1	0	0	1	0	0	0	0	1

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 – MadavanaJn – 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.

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