

ANNUAL REPORT 2016-2017



KERALA UNIVERSITY OF FISHERIES AND OCEAN STUDIES

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KUFOS annual report 2016-2017

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INTRODUCTION

The Kerala University of Fisheries and Ocean studies (KUFOS) is an autonomous public funded institution established on 20th November 2010. The first Fisheries University in the country, KUFOS with its enchanting blue building stands in harmony with the greenery at Panangad, 12 km away from Kochi city, along the National Highway-66. It provides high quality instructional programmes in fisheries, ocean sciences and allied subjects. The University now has a sprawling campus of 75 acres in the headquarters at Panangad, brackish water and marine aquaculture area spanning 50 acres at Fisheries research station, Puduveypu and extensive 10 acres at Thiruvallom near Vizhinjam.

The College of Fisheries, Panangad under the

Kerala Agricultural University was the only institution in the fisheries sector in the State imparting undergraduate professional degree programme. Kerala University of Fisheries and Ocean Studies was established in November, 2010 by an Act of the Kerala State Legislative Assembly by delinking the College of Fisheries from the Kerala Agriculture University and started functioning on 01.04.2011. KUFOS was established for the development of manpower in fisheries and ocean studies and for ensuring proper and systematic instruction, teaching, training, research and extension exclusively in fisheries and ocean studies in the State of Kerala. This is the primary and principal institution of Kerala State for providing human resources with skills and technology required for sustainable developments as a Centre of Excellence for human resource development in Fisheries and Ocean Studies. It is the nodal agency to establish relationship with institutions at international level

KUFOS imparts quality education comparable with world class standards and giving significance to research oriented studies with effective meaningful and rewarding extension activities. With a view to producing technocrats of high calibre, KUFOS provides highly qualified faculty, full fledged infrastructure facility and good linkages with reputed national and international institutes. The academic excellence is intended to be attained by undertaking graduate and post graduate teaching and research programmes in emerging disciplines of fisheries science. With a view to meeting the requirement of state and national priorities, the University is introducing specialized courses in the needy areas thereby creating professionals and experts. Results of research emerging various disciplines leading to successful technologies need to be disseminated to the end users at the grass root level.



UNIVERSITY LOGO



This emblem signifies the mission, goals and motto of Kerala University of Fisheries and Ocean Studies. It symbolizes the co-existence of all forms of aquatic life and our responsibility to preserve the ecology and conserve the bio-diversity by judicious exploitation of aquatic resources for sustainable development.

The deep and light blue colours respectively represent the ocean and sky. The waves in the sea represent the dynamic nature of the sea with all its mystery and music. “All deep things are music” (Carlyle). The ocean is our planet's life belt. The very survival of the human species depends upon the maintenance of an ocean, clean and alive.

“For the sea lies all about us..... The continents themselves dissolve and pass to the sea.... In its mysterious past, it encompasses all the dim origins of life.... And receives in the end... the dead husks of that same life. For all at last return.... To Oceanus, the ocean river, like the ever-flowing stream of time, the beginning and the end” (Rachel L. Carson- The Sea Around Us, 1951).

Fiat piscis:

Let there be fish. This is the literal translation of the Latin words “*FIAT PISCIS*”. The idea is to grow more fish with a view to ensuring food and nutritional security. As Lao-tsu, the Chinese philosopher, rightly said centuries ago: “Give a man a fish and you feed him for a day. Teach him how to fish, and you feed him for a lifetime”.

Chinese net:

It is a passive gear operated by a group and it represents team work and co-operation, symbolizing the aspirations of the traditional fisheries sector.

Ship:

Used for exploring and exploiting oceanic resources, this fully equipped vessel symbolizes the modern sector, with its sophisticated technology.

Shrimp:

As a foreign exchange earner, this crustacean has tremendous importance in the fishery economy of Kerala.

Pearl spot:

‘Karimeen’ (*Etroplus suratensis*), the State fish of Kerala, represents the dainty delicacy of the State.

Nansen bottle:

Operated through a pulley and attached to the ship, it represents the concern for maintaining water quality and the need to contain water pollution.

Conch:

A mollusc, the shell with its mathematical patterns, used for carrying holy water during rituals, is a sublime symbol with spiritual, aesthetic, artistic, rejuvenating and medicinal values.

Open book:

It symbolizes knowledge and it signifies disinterested search for truth by research and learning.



FROM VICE CHANCELLOR'S DESK

World fisheries give both high quality proteins to over 2.6 billion people and livelihood to over 200 millions. Fish contributes 20% of the animal protein requirements of human beings. According to FAO statistics 52% of the world fisheries are fully exploited, 17% over exploited and 7% depleted. In addition to this they also face aquatic pollution and environment degradation.

To protect the fish stocks we have to discuss the fishing efforts, pollution and the impact of climate change. Sustaining fisheries health and stock requires efficient fisheries management measures both at national and international level. A collective wisdom of all the fishing nations is very important as most of the commercially important species are highly migratory and exploited by several nations.

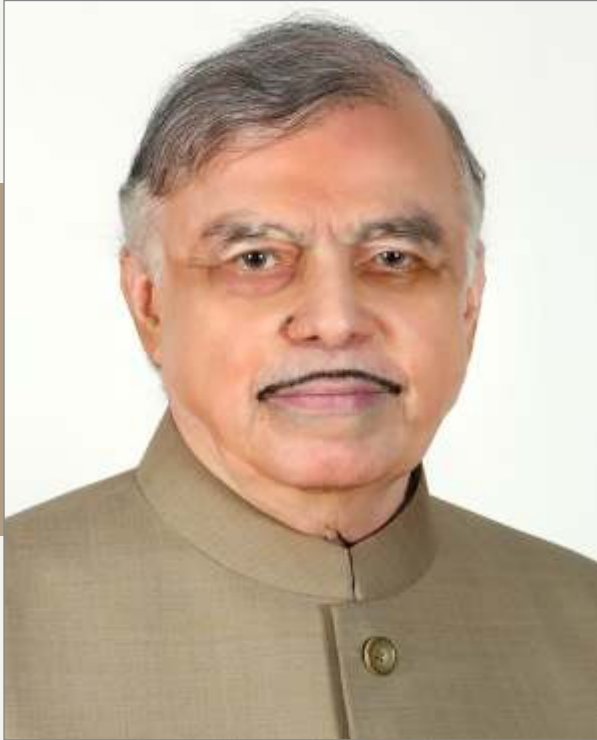
Fisheries in India have grown from subsistence fishing to the status of a multi-billion industry during the last six and a half decades. It is our social responsibility to sustain the resources by judiciously utilizing it. Fisheries have made valuable contributions to economic development of coastal areas by generating employment opportunities and trade. However, the marine fisheries sector is presently facing problems like excess fishing capacity, low catch per unit effort, wide income disparities among the sectors of the fishing community and resultant socio-economic conflicts. Poor implementation of the various

fishery management measures also add to the present crisis. Now the focus is given in the marine sector to improve the productivity by utilization of untapped resources in the Indian EEZ. The current total fish production in the country is 11.1 million metric tonnes (2016-17) of which 7.27 mmt are from inland sector and 3.83 mmt from marine production. The Fishery sector contributes about 1.21 per cent of the total GDP and 5.37 per cent of the GDP from agriculture sector and provides employment to 14 million persons. According to FAO estimates, the human consumption of fish is about 80% of the world's fish production at a per capita of 17.1 kilogram which is expected to rise considerably by the year 2030. However, meeting the requirements of the growing population in the years to come is a big challenge.

Indian Ocean is an important lifeline to international trade and transport. As the third largest ocean woven together by trade routes, commands control of major sea-lanes carrying half of the world's container ships, one-third of the world's bulk cargo traffic and two-thirds of the world's oil shipments, the Indian Ocean remains an important lifeline to international trade and transport. The Indian Ocean is rich in natural resources. Forty per cent of the world's offshore oil production takes place in the Indian Ocean basin. This region is rich in Fishing and other Aquaculture activities.

Kerala University of Fisheries and Ocean Studies (KUFOS), established in 2010 has mandated to fulfill the trained manpower requirements of Fisheries and Ocean Science sector at an international standards and courses and training programmes of the University are designed accordingly. I am much proud to mention that we have 35 PG programmes in different disciplines of fisheries and ocean sciences along with two under graduate programmes. PhD programmes are offered in all disciplines of Fisheries and Ocean Studies. The country is yet to tap the vast economic potential of our ocean space and ocean resources. University's responsibility, as the only Fisheries and Ocean Science University, is to grab the opportunity as the leading nation of the Indian Ocean to generate sufficient technically qualified man power and science and technology to utilize this untouched wealth for the betterment of mankind with special reference to people living in the coastal belt of the country. To explore the deep oceans to judiciously utilize the space entitled under our Exclusive Economic Zone and beyond we need to integrate the science and technology of oceanography, remote sensing, marine geology, space satellites, hydrology, marine environment, navigation, bioactive substances, marine drugs, and maritime engineering and structures. The marine travel and tourism opportunities including sport fishing are in fact underutilized and are an area of great economic potential. University is committed to integrate our strength on Fisheries and Ocean Sciences to sustainably utilize the entire space and resources for the economic development of the country.

Prof. Dr. A. Ramachandran, Vice Chancellor



OUR HONOURABLE CHANCELLOR

**SHRI. JUSTICE P. SATHASIVAM
HON'BLE GOVERNOR OF KERALA**



OUR HONOURABLE PRO-CHANCELLOR

**Smt J MERCYKUTTY AMMA
Hon'ble Minister for Fisheries,
Harbour Engineering & Cashew Industry
Government of Kerala**

UNIVERSITY STATUTORY OFFICERS



VICE CHANCELLOR
Prof. (Dr.) A. RAMACHANDRAN



PRO VICE CHANCELLOR
Prof. (Dr.) K. PADMAKUMAR



REGISTRAR
Dr. V.M. VICTOR GEORGE



FINANCE OFFICER
SHRI. JOBY GEORGE P



CONTROLLER
OF EXAMINATIONS
DR. MURALEEDHARAN NAIR



UNIVERSITY
ENGINEER
SHRI. JOY P.



DIRECTOR OF
RESEARCH
Prof. (Dr.) K.V. JAYACHANDRAN



DIRECTOR OF
EXTENSION (I/C)
Dr. DAISY C. KAPPEN

THE UNIVERSITY

Kerala University of Fisheries and Ocean Studies (KUFOS) is an autonomous public funded institution established on 20th November 2010, and governed by the Kerala University of Fisheries and Ocean Studies Act, 2010. As per the Notification No.19540/Leg.I/2010/Law Dated 28.01.2011, the Government of Kerala have promulgated Act 5 of 2011 forming Kerala University of Fisheries and Ocean Studies (KUFOS).

KUFOS is the first Fisheries University formed in India and it comes under the Ministry of Fisheries, Government of Kerala. As per G.O. (P) No. 510/F & PD dated 10.05.2011 the Government of Kerala disaffiliated College of Fisheries, Panangad and Fisheries Station, Puduveypu from Kerala Agricultural University and these institutions became the part and parcel of the newly formed Kerala University of Fisheries and Ocean Studies w.e.f. 01.04.2011. The territorial jurisdiction of the University extended to the whole of the State of Kerala and the Headquarters of the University is at Kochi in Ernakulam District.

The Panangad campus, which is the Headquarters of the University, is 12 km away from Kochi city, along the NH 47 and sprawls in area of 85 acres. Fisheries Station, Puduveypu having an area of 50 acres is situated in Vypeen Island (9° 58' – 10° N lat. and 76° 10' – 76° 12' E long.) on the North-Western bank of Cochin bar mouth, Cochin taluk. It is at a distance of about 2 km from Vypeen-Pallippuram Road. The Arabian Sea on the West and the Cochin barmouth on the South. Besides these campuses, the Govt. have allotted 10 acres of land at Thiruvallam, near Thiruvananthapuram for setting up a Regional Station.

Kerala University of Fisheries and Ocean Studies is the primary and principal instrumentality of Kerala State in providing human resources, skills and technology required for the sustainable development of Fisheries and Ocean Studies. It acts as a centre of excellence for human resource development in Fisheries and Ocean Studies and the nodal agency to establish relationship with institutions and universities functioning at National and International level. The mission of the University is to serve as a flagship University of higher learning through demonstrated and growing excellence in teaching, research, extension, training, scholarship and creative work in Fisheries and Ocean Studies, comparable with global standards that will benefit the country and the world at large.

His Excellency, the Governor of Kerala, is the Chancellor and the Hon'ble Minister for Fisheries is the Pro-Chancellor of the University. The chief executive body of the University is the University Governing Council. The Vice Chancellor is the principal executive officer who is assisted by the Pro-Vice Chancellor, Registrar, Deans of Faculties, Controller of Examinations, Director of Research, Director of Extension, Directors of Schools, Heads of Departments, and Finance Officer.

MISSION, VISION AND GOALS

MISSION

The mission of the university is to serve as a flagship university of higher learning through demonstrated and growing excellence in teaching, research, extension, scholarship and creative work in fisheries and ocean studies, comparable with global standards that will benefit the country and the world at large.

VISION

- To produce professionally and technically competent manpower in Fisheries and Ocean studies to cater the needs of the fast developing sector.
- Develop entrepreneurship among the fisheries graduates by imparting hands on training and give opportunities to develop management skills through Fisheries Work Experience Programme.
- Undertake research and extension activities in the field of Fisheries and Ocean studies by undertaking research in frontier areas and by promoting interdisciplinary/ inter-departmental/ inter-institutional co-operation.
- Provide employment opportunities for the people especially fisher folk by imparting trainings on modern techniques of fishing, primary handling, preservation, production of value added fishery products, ornamental fish culture, hatchery production of seeds of various cultivable fin and shell fishes and their farming.
- Provide consultancy services so as to put into practice the technologies developed among the entrepreneurs and generate income for the institution.
- Achieve the mission and goals laid down by the University.
- Develop infrastructure facilities and inter-institutional co-operative programmes in order to make the campus the nucleus of the Fisheries and Ocean studies in the world.

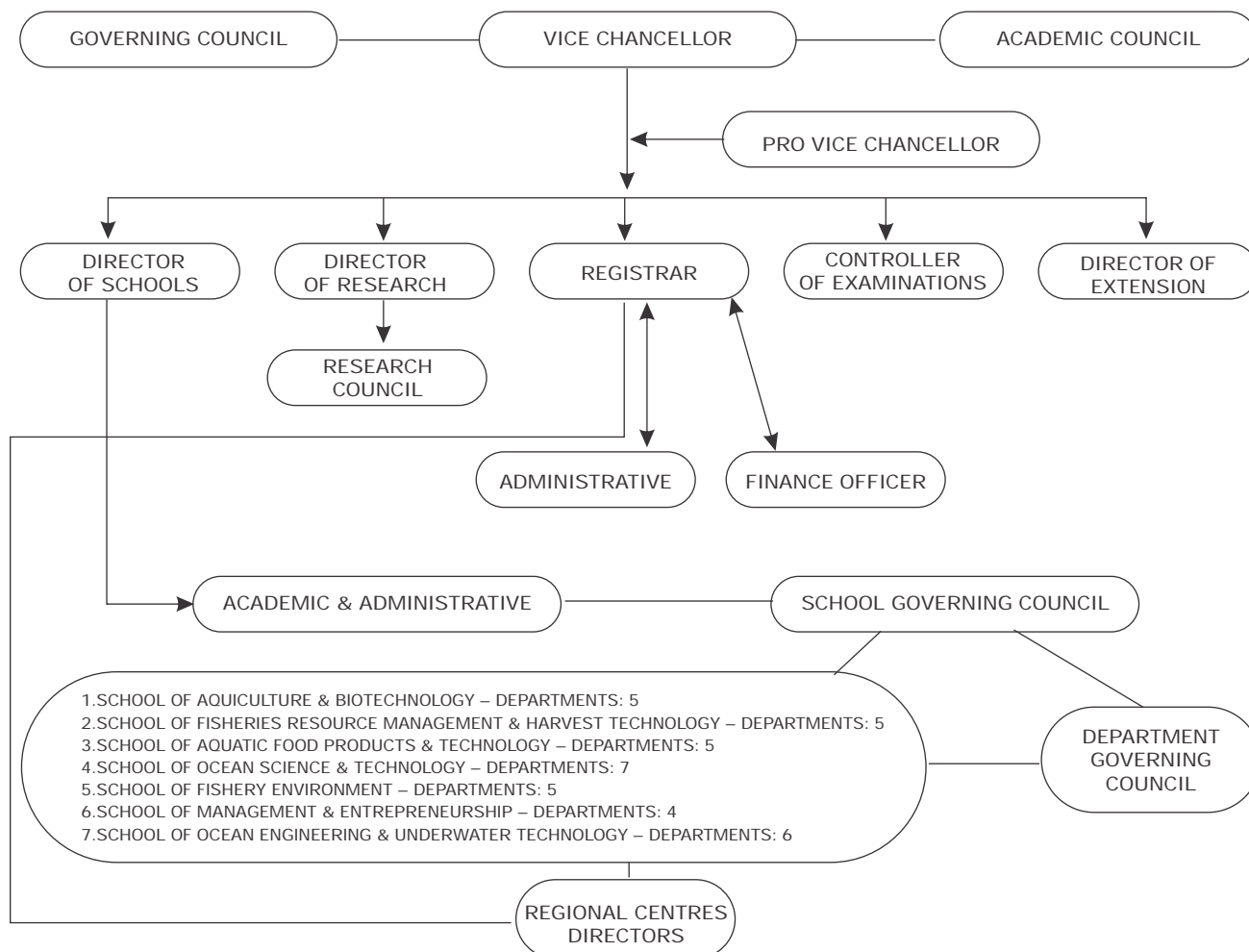
GOALS

- To further the advancement in learning and conduct research in fisheries, ocean studies and allied subjects .
- Impart education in fisheries and ocean studies and allied subjects.
- Formulate new courses and curriculum in fisheries and ocean studies sector in accordance with the technical advances in the respective fields
- Act as a nodal agency to establish relationship with institutions and universities functioning at national and international levels
- Act as a centre of excellence having leading role for HRD in Fisheries and Ocean studies
- Foster and encourage entrepreneurship in Fisheries and Ocean studies.

OBJECTIVES OF THE UNIVERSITY

- (i) making provisions for imparting education in fisheries, ocean studies and other allied branches of learning and research scholarship;
- (ii) furthering the advancement of learning and conduct of research in fisheries, ocean studies and allied subjects;
- (iii) undertaking extension education programmes;
- (iv) to formulate new courses and curriculum in Fisheries and Ocean Studies sector in accordance with the technical advances in the respective fields;
- (v) to act as nodal agency to establish relationship with Institutions and Universities functioning in national and international level;
- (vi) to act as a centre of excellence having leading role for Human Resources Development in Fisheries and Ocean Studies sectors;
- (vii) to foster and encourage entrepreneurship in fisheries and ocean studies sector;
- (viii) to develop breeds and hybrids of ornamental fishes, prawns and oysters having features like production capacity, resisting power and good quality suitable to the environment of Kerala;
- (ix) to develop farming practices, fish feeds, fish disease control, resistant and vigilant steps suitable to the sustainable farming of ornamental fishes;
- (x) to preserve the fish bio-diversity of Kerala, to establish their intellectual property right to develop and utilize the possibilities of new technology like bio-technology;
- (xi) to conduct study and to record and preserve the study results relating to traditional fish technology, traditional knowledge, sustainable fish protection and to foster development;
- (xii) to strengthen research on fishing and related habitat and the relevant environmental factors; and
- (xiii) such other purposes as the University may deem necessary from time to time.

THE ORGANIZATIONAL CHART GIVEN BELOW GIVES AN OVERALL PICTURE OF THE SET UP



FUNCTIONING

The process involved in decision making starts at the level of the Department Governing Council. All permanent teachers of the concerned department are the members of the department governing council.

The Department Government Council shall design the syllabus and make proposal regarding the courses of study in the Department to the School Governing Council.

The Department Governing Council shall meet at least once in a month or as and when required to review the academic activities and to suggest need based curricular changes.

The School Governing Council functions above the Department Governing Council.

The Director shall carry out the decisions of the School Governing Council and co-ordinate the functions of the departments in the best interest of the School and the University.

The School Governing Council shall prescribe the qualifications of the examiners and approve the panel of examiners for external examinations.

The Director shall propose examiners for the conduct of external examinations.

The School Governing Council shall meet at least once in three months or as and when required to review the academic activities and to take decisions on need based curricular activities.

The School Governing Council shall have adequate financial powers for the functioning of the various departments under the School including power for strengthening the infrastructure, improving the teaching and research facilities and for maintaining and operating research vessel, if any.

Without prejudice to the provisions in sub-clauses mentioned above, the School Governing Council shall have the following additional powers, namely:-

- a) to propose the courses of studies in the institutions maintained by the University;
- b) to propose the qualifications of teachers in Schools and other institutions maintained by the University;

- c) to propose the qualifications of students for admission to the various courses of studies and to the examinations and the conditions under which exemptions may be granted;
- d) to make proposal for instruction and training in such branches of learning as it may think fit;
- e) to make proposal for the institution of Professorships, Readerships, Lectureships and other teaching and research posts required by the University;
- f) to propose schemes for the constitution or reconstitution of departments for teaching, research and extension education based on the proposals received from the Department Governing Council;
- g) to exercise such other powers and perform such other functions as may be conferred or imposed on it by the Act and Statutes, Ordinances and Regulations made thereunder.

THE RESEARCH COUNCIL:

Research Council shall consist of the following members, namely:

- (I) Director of Research who shall be the Chairman of the Council.
- (ii) Directors of all Schools;
- (iii) One senior faculty member who is a recognized guide from each School nominated by the Vice Chancellor;
- (iv) Director of each Regional Centre;
- (v) One representative of Indian Council of Agriculture Research;
- (vi) One representative of MOES;
- (vii) One representative of fishery industry nominated by the Vice Chancellor; and
- (viii) The Vice Chairman of the Planning Board, Government of Kerala or representative of the Board nominated by him.
- (2) Research Council shall be responsible for formulating research policies, identifying thrust areas, advising possible funding agencies and monitoring and reporting the progress and quality of research to the Vice Chancellor from time to time.

THE ACADEMIC COUNCIL

Subject to the provisions of this Act and Statutes, the Academic Council shall have the following powers, duties and functions.

- (a) To advise the University Governing Council on all academic matters;
- (b) Make regulations and to amend or repeal the same;
- (c) Approve the courses of studies in the institutions maintained by the University;
- (d) Approve the qualifications of teachers in schools and other institutions maintained by the University;
- (e) Approve the qualifications of students for admission to the various courses of studies and to formulate conditions under which exemptions may be granted;
- (f) Consider and approve proposals for the instruction and training in such branches of learning as it may think fit;
- (g) Consider and approve proposals for the institution of post of Professors, Associate Professors, Assistant Professors, Readers, Lectures and other teaching and research posts, required by the University;
- (h) Approve proposals for determining the degrees, diplomas and other academic distinctions that shall be granted by the University;
- (i) Decide which examinations of other Universities may be accepted as equivalent to those of the University and to negotiate with other Universities for the recognition of the examinations of the University;
- (j) Approve, modify or revise schemes for the constitution or reconstitution of departments for teaching, research and extension education based on the proposals received from the School Governing Council;
- (k) Maintain standards regarding post graduate teaching, research and extension education;
- (l) Give advice to the University in all academic matters and to submit feasibility report before the Governing Council regarding the academic programmes as recommended by the Senate in its annual meeting;
- (m) Exercise such other powers and perform such other functions as may be conferred or imposed on it by the Act and Statutes, Ordinances and Regulations made there under.

The GC and the Senate are the supreme decision making bodies in the University.

CAMPUSES OF KUFOS

HEADQUARTERS, PANANGAD



The campus at Panangad lies on the western side and eastern side of the National Highway. The total area of this campus is 87.73 acres. It includes the already developed area in which the administrative building, academic block, the quarters, hostels etc are located. Major portion of the campus is occupied by fish ponds and natural mangrove vegetation. The campus is bordered on the western side by the Vemband backwater system.

FISHERIES STATION, PUDUVEYPU



The Fisheries Station is situated in Puthuveypu in the Vypeen island on the north-western bank of Cochin barmouth. It is at a distance of about 2 km from Vypeen-Pallippuram road and about 15 km away from the main campus. The Arabian sea on the west, the Cochin barmouth on the south and a canal emerging from the barmouth in the east form its main boundaries. On the northern side, the station joins the land proper of the main island. The Typical mangrove associations are characteristic of the area. This low lying area is subjected to the tidal influence of Cochin barmouth. The unique geographical position bestows on the station to embark on different aspects of fisheries research to open up new vistas. Major activities of this Station are teaching, research and extension. This Station also gives practical training in brackish water fish farming to B.F.Sc. and M.F.Sc. students of the University. The farm area is marshy, being daily inundated by saline and brackish water intrusions. Approved research programmes on commercially important fishes, shrimps and ornamental fish are being implemented. In addition, many awareness programmes are also given to entrepreneurs. The Station is also a centre for various varieties of mangrove and associated vegetation. The campus is covered by natural mangrove vegetation comprising about 18 acres and ponds. Administrative block, laboratory, hatchery etc. are located near the entry point of the campus.

REGIONAL STATION, THIRUVALLAM

The State Government has allocated 10 acres of land at Thiruvallam for the setting up of a Regional Research Station. Infrastructural facilities proposed at Thiruvallam campus as per the Master Plan submitted by KITCO are under consideration and will be implemented in a phased manner.

ADMINISTRATION

The Vice-Chancellor is the Chief Executive Officer and the Registrar is the administrative head of the university. The Governing Council is the supreme authority of the University and that is supported by the Senate, Academic Council, Research Council, School Governing Council and Department Governing Councils. The day-to-day administration is carried out by the office of the Registrar under whom the Finance Officer, responsible for the financial management of the University functions. On the research side, the Directorate of Research, and on the extension side the Directorate of Extension coordinate the respective activities. Conduct and evaluation of examination and allied activities are vested with the Controller of Examinations. Academic activities related to the different Schools are controlled by the School Directors under whom the various Departments with the Heads of Departments function.

- KUFOS started functioning on 01.04.2011 with its Head Quarters at Panangad.
- The logo of KUFOS was released by Sri. K. Babu, Minister of Fisheries, Port & Excise, Govt. of Kerala, in a function organised at KUFOS on 20.06.2011.
- Two day National Consultative Workshop for Preparation of Vision Document and Strategic Plan of KUFOS was inaugurated by Sri. K. C. Venugopal, Union Minister of State for Power at International Hotel, Ernakulam on 28.07.2011. Dr. E. G. Silas, Former VC, KAU launched the new website of the University during the function.
- The first Governing Council meeting of KUFOS was held on 28.03.2012 at Thycaud Guest House, Thiruvananthapuram.
- The Certificate distribution function to distribute Provisional B F Sc Degree Certificates to the 2007 batch students, in which the certificates were distributed by Sri. K. Babu, Hon'ble Minister of Fisheries & Ports.

STATUTORY OFFICERS

Prof.(Dr.) A.Ramachandran
Vice Chancellor

Prof. (Dr.) K Padmakumar
Pro Vice Chancellor

Dr V M Victor George
Registrar

Dr.Muraleedharan Nair
Controller of Examinations

Dr. K Gopakumar
Dean, Faculty of Fisheries

Dr M.R.Boopendranath
Dean, Faculty of Ocean Science and Technology

Dr.K.Vasudevan
Dean, Faculty of Ocean Engineering

Prof. (Dr.) N.R.Menon,
Dean, Faculty of Climate
Variability and Aquatic Ecosystem

Dr.M.Bhassi,
Dean, Faculty of Management,
Humanities and Social Sciences Dean,
Faculty of Fisheries

Prof. (Dr.) K.V. Jayachandran.
Dean, Faculty of Fisheries

Sri Joby George
Finance Officer.

Pro(Dr).K.V.Jayachandran
Director of Research

Dr. Daisy C Kappen
Director of Extension (i/c)

Sri. K M Joy
University Engineer

AUTHORITIES OF THE UNIVERSITY

The following are the authorities of the University

1. the Senate
2. the University Governing Council
3. the Academic Council
4. the Research Council
5. the School Governing Councils
6. the Department Governing Councils
7. the Faculties; and such other bodies as may specified by the Statutes.

SENATE

The Kerala Government constituted the first Senate of the University as per Section 76 of KUFOS Act 5 of 2011. As per Section 10 of KUFOS Act, the Senate consists of Ex-officio Members (10 Nos.), Nominated Members (24 Nos.) and Elected Members (13 Nos.). The term of the Senate is five years from the date of its constitution by the Chancellor and the Chancellor shall reconstitute the Senate on expiry of its term. Senate shall meet at least twice a year on dates to be fixed by the Vice Chancellor and one of such meetings shall be called the annual meeting.

MEMBERS OF SENATE

- | | |
|--|--|
| ■ The Chancellor
Govt of Kerala, Kerala Raj Bhavan
Thiruvananthapuram | ■ The Secretary to Government
Finance Department (or an officer not below the rank of Jt. Secretary nominated by him),
Govt. Secretariat
Thiruvananthapuram |
| ■ The Pro Chancellor
Minister for Fisheries
Govt of Kerala | ■ The Law Secretary
Govt. of Kerala (or an officer not below the rank of Jt. Secretary nominated by him)
Govt. Secretariat, Thiruvananthapuram |
| ■ Member of Legislative Assembly
Thrippunithura Assembly Constituency, Ernakulam District | ■ Director of Fisheries
Government of Kerala, Vikas Bhavan
Thiruvananthapuram-695033 |
| ■ The Vice Chancellor
Kerala University of Fisheries and Ocean Studies
Panangad P.O, Kochi | ■ Prof.(Dr.)K.V.Jayachandran
Department of Fishery Biology
Kerala University of Fisheries and Ocean Studies,
Panangad P.O, Kochi – 682506 |
| ■ The Pro-Vice Chancellor
Kerala University of Fisheries and Ocean Studies
Panangad P.O., Kochi | ■ Prof.(Dr.) M.S.Raju
Department of Commerce and Management,
Kerala University of Fisheries and Ocean Studies
Panangad P.O, Kochi – 682506 |
| ■ The Secretary to Government
Fisheries Department, Govt .of Kerala
Govt .Secretariat, Thiruvananthapuram | ■ Prof.(Dr.) Sajan George
Department of Processing Technology
Kerala University of Fisheries and Ocean Studies,
Panangad P.O, Kochi – 682506 |
| ■ The Secretary to Government
Higher Education Department (or an officer not below the rank of Jt. Secretary nominated by him)
Govt. of Kerala, Govt Secretariat
Thiruvananthapuram | |

(Dr.) Shyama.S
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Ernakulam – 682304

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Kummalloor P.O., Kollam – 691573

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Shri.A.P. Abdullakutty MLA
'Rose Pot', Pallikkunnu P.O Kannur – 670004

Shri Roshy Augustine MLA
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Fisheries Research Station,
Kerala University of Fisheries and Ocean Studies,
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Department of Commerce and Management
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Smt. Alphy Korath
Department of Commerce and Management
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Leya Joy
II Semester
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Parambath, Kozhikode

Anoop Babu.M
BFSc (2012 Batch)
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Sahna Don
BFSc (2009 Batch)
Kanakkassery House, Ochanthuruthu P.O
Ernakulam – 682508

Sneha Joseph
II Semester MBA
Kalayil House, Kulayettikkara
Kanjiramattom P.O., Ernakulam – 682315

Sri.P.J.Cleetus
Assistant Section Officer
Fisheries Research Station
Kerala University of Fisheries and Ocean Studies
Puduvypu, Ernakulam – 682 508

GOVERNING COUNCIL

As per letter No. GS 5-957/2011 dated 19.03.2012 of His Excellency the Governor of Kerala and Chancellor of KUFOS, the first University Governing Council was formed in accordance with the provisions contained in Section 76 of KUFOS Act 5 of 2011. The Governing Council is the supreme authority of the university and comprises of 23 members from among the category of Ex-officio Members (11 Nos.), Elected Members (4 Nos.) and Nominated Members (8 Nos.). At the outset, the Govt. have formed the KUFOS Governing Council by nominating 16 members. The University Governing Council shall be reconstituted every four years. The Governing Council shall meet at least once in a month on dates to be fixed by the Vice Chancellor after giving due notice to all members.

MEMBERS OF THE GOVERNING COUNCIL (2016-2017)

<p>■ The Vice Chancellor KUFOS Prof.(Dr.) A Ramachandran</p> <p>Tel.No. 0484 2703781 (Direct), 2700598, 2700964 , Fax:-91 484 2700337 vc@kufos.ac.in</p>	<p>■ The Law Secretary to Govt. of Kerala Govt. Secretariat Thiruvananthapuram Tel.No. 0471-2518383 Fax-0471-2332955 secy@law.kerala.gov.in</p>	<p>■ Dr.N.R.Menon Dean, Faculty of Climate Vaiability and Aquatic Ecosystem, KUFOS Tel No 9847064322</p>
<p>■ Pro Vice Chancellor KUFOS Prof.(Dr.) K Padmakumar</p> <p>Tel.No.0484 2700596 pvc@kufos.ac.in</p>	<p>■ The Vice President of KeralaState Council for Science and Technology and Environment Sastra Bhavan, Pattom Thiruvananthapuram. Tel.No. 0471- 2548200, 0471-2540085 mailto@kscste.org</p>	<p>■ Dr.M.R.Boopendranath Dean, Faculty of Ocean Science and Technology, KUFOS</p> <p>Tel No 9447665875</p>
<p>■ Secretary to Govt. of Kerala, Fisheries Department, Govt. Secretariat, Thiruvananthapuram Tel.No.0471-2321129,0471- 2333115 (Fax) prlsecy.port@kerala.gov.in</p>	<p>■ Adv A.N.Shamseer MLA</p> <p>Ameenass, PO Paral Thalassery-670671` Tel No-9447056803 Amshamseer2@gmail.com</p>	<p>■ Dr.M.S.Raju Director, MSE, KUFOS</p> <p>Tel No 9447919151 msraju01@yahoo.com</p>
<p>■ The Secretary to Govt. of Kerala Higher Education Department, Govt. Secretariat Thiruvananthapuram Fax – 0471-2332245 sec.higheredu.kerala@gmail.com</p>	<p>■ E.T.Taison MLA</p> <p>Kaipamangalam ElanjikalKannathupadikkal Kera PO, Kodungallur Tel No-9846958317 Taisonthomas74@gmail.com</p>	<p>■ Dr.S.Sureshkumar Professor, School of Ocean Science & Technology, KUFOS</p> <p>Tel No 9447508065 suresh.kufos@gmail.com</p>
<p>■ The Secretary to Govt. of Kerala Finance Department Govt. Secretariat Thiruvananthapuram Tel.No.0471-2518292, 2327586 Fax 0471-2326990 prlsececy.fin@kerala.gov.in</p>	<p>■ Dr. A.Gopalakrishnan Director, CMRI, Kochi</p> <p>Tel No : 0484 2394867 director@cmfri.org.in</p>	<p>■ Dr. Anu Gopinath Asst Professor</p> <p>School of Fisheries Resource Management & Harvest Technology, KUFOS Tel No: 9446838319 anugowri@hotmail.com</p>

■. Dr.S.M.Raffi
Asst Professor
School of Fisheries Resource
Management & Harvest
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Tel No 9497393516

■. Sri K.K.Raghuraj
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BFSC 2014 Batch Student, KUFOS

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■ Adv. Manu C Pulikkal
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■. Sri Abraham John Tharakan
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SIX MEETINGS OF THE GOVERNING COUNCIL WERE HELD DURING 2016-17 FINANCIAL YEAR MAJOR DECISIONS OF THE GOVERNING COUNCIL DURING THE PERIOD

Decision No.	Date GC Meeting	
664/2016	22/04/2016	The Governing Council decided to approve the estimate submitted by M/S BSNL for the constriction of compound wall Phase III
668/2016	22/04/2016	The Governing Council decided to consider the construction of Mangrove Research Centre at Fisheries Station Puduveyppu
747/2015	01/08/2016	The Governing Council decided to accept the Draft Umbrella Memorandum of Understanding between KUFOS & ICAR and Host institutions for operating AICRPs, Revolving fund Schemes and any other such schemes from the Council.
761/2016	01/08/2016	The Governing Council decided to approve the estimate amounting to Rs.4,93,32,000/- submitted by M/S BSNL for the construction of Multipurpose Marine Finfish Hatchery at Puduveyppu. The sanction is also accorded to carry out the work in phased manner, based on availability of funds.
799/2016	17/12/2016	The Governing Council decided to establish Research Stations of KUFOS at Payyannur and Kollam for establishing Fisheries Colleges and Government will be requested to initiate further necessary action in this matter.
809/2016	17/12/2016	The Governing Council decided to start one more batch of B FSc course from the Academic year 2017-18 and the Commissioner for Entrance Examinations Kerala will be informed the matter under intimation to Government.
876/2017	28/01/2017	The Governing Council decided to conduct the third convocation of KUFOS on 18.02.2017 in a befitting manner
882/2017	28/01/2017	The Governing Council decided to approve the shifting of MSc Remote Sensing & GIS programme from School of Ocean Engineering and Underwater Technology to School of Fishery Environment.
885/2017	17/03/2017	The Governing Council decided to approve the Budget Estimate of 6649.64 lakhs rupees for 2017-18 and approved the revised estimate for 2016-2017.

ACADEMIC COUNCIL

The Academic Council shall have general control over the academic matters of the University and be responsible for the maintenance of standards of instruction, education and examinations within the University and shall exercise such other powers and perform such other functions as may be conferred or imposed upon it by the Statutes. The Academic Council consists of 24 members from various realms. The Govt. constituted the first Academic Council. The following are the academic council members. 11 meetings have been conducted so far.

ACADEMIC COUNCIL MEMBERS

■ The Vice Chancellor, Chairperson Prof.(Dr.) A.Ramachandran 0484 2703781 (Direct), Fax:-91 484 2700337	■ Director of School of Mgt. & Entrepreneurship Dr. M.S. Raju 0484-2700598(Extn)30
■ Director of Fisheries 0471-2303160, 0471-2304355(Fax)	■ Director of School of Aquaculture & Biotechnology Dr. S. Shyama, 9495350319
■ Director of CMFRI 0484-2394798	■ Director of School of Fishery Environment Sri. N.N. Raman 09447509484
■ Director of CIFT 0484-2666880	
■ Director of CMLRE 0484-2427790	■ Faculty member from Local Administration Centres/ Regional Centres Dr. K. Dinesh Asst. Professor & Head, Fisheries Station, Puduvypu 9446032977
■ Director of NIO 0484-2390814	
■ Director of School of Fisheries Resource Mgt.& Harvest Technology Dr. K.V. Jayachandran, 09446493765	
■ Director of School of Aquatic Food Products & Technology Dr Sajan George 09847872261	■ Post graduate students 1) Kum.Sandhya K.S. (M.F.Sc Student, 2011 batch) 2) Sri. Naukum Alpeshbhai Jadavbhai

Research Council

The Research Council is responsible formulating research policies, identifying thrust areas, advising possible funding agencies and monitoring and reporting the progress and quality of research to the Vice Chancellor from time to time. The Research Council shall meet at least once in six months. Research Council has not yet been constituted during the reporting period.

OFFICERS OF THE UNIVERSITY

As per Section 30 of KUFOS Act 5 of 2011, the following shall be the Officers of the University.

- i) the Chancellor
- ii) the Pro-Chancellor
- iii) the Vice Chancellor
- iv) the Pro Vice Chancellor
- v) the Deans
- vi) the Registrar
- vii) the Finance Officer
- viii) the University Engineer
- ix) the Librarian
- x) the Director of Research
- xi) the Director of Extension
- xii) the Controller of Examinations
- xiii) the Directors of Schools
- xiv) Heads of Departments

And such officers in service of the University as may be prescribed in the Statutes.

Faculties, Schools & Departments

There are five Faculties established in the University. The Faculties shall be the principal academic co-ordination authorities of the University in respect of studies and research in the subjects included on the Faculty and also in respect of studies and research in multi-disciplinary faculties. KUFOS has five Faculties and each Faculty comprises of the Dean, the Chairpersons of all Boards of Studies comprised in the Faculty, one member of each Board of Studies to be elected by the members of Boards of studies from among themselves out of whom at least one shall be a Post Graduate teacher and two subject experts preferably from outside the State, nominated by the Vice-Chancellor. The Dean shall be the Chairman of the Faculty. Various faculties were constituted as per the university order No.GA6/2265/15 dated 01.12.2015

I FACULTY OF FISHERIES

Dean - Dr.K.Gopakumar DDG (Fisheries-Rtd.), ICAR, Professor of Eminence, KUFOS



Chairperson of all board of studies comprised in the faculty

1. Chairperson of Board of Studies of Dept. of Aquaculture and Biotechnology – Member
2. Chairperson of Board of Studies in Aquaculture Nutrition and Feed Technology - Member
3. Chairperson of Board of Studies in Aquatic Animal Health Management Member
4. Chairperson of Board of Studies in Fisheries Resource Management –Member
5. Chairperson of Board of Studies in Fishery Hydrography - Member
6. Chairperson of Board of Studies in Preservation & Packing Technology – Member
7. Dr.Suresh Kumar, Professor, Fishery Hydrography, KUFOS (Board of Studies Nutrition and Feed Technology) - Member
8. Dr.Mohamed Hatha, Professor and Head, Dept. of Marine Biology, CUSAT (Board of Studies : Aquatic Animal Health Management) - Member
9. Dr.K.Madhu, Principal Scientist, CMFRI, Kochi (Board of Studies ; Aquaculture & Biotechnology) - Member
10. Dr.K.Mohankumar Prof. Dept.of Meterology, CUSAT, Kochi (Board of Studies: Fishery Hydrography) - Member
11. Dr.T.V. Sankar, Head of Division, CIFT, Kochi (Board of Studies; Preservation and Packing Technology) - Member
12. Dr.Shivananda Murthy, Professor and Head, Dept. of Aquaculture, College of Fisheries,

II. FACULTY OF OCEAN SCIENCE AND TECHNOLOGY

Dean – Dr.M.R.Boopendranath ,Principal Scientist (Rtd), CIFT ,



Chairperson of all board of studies comprised in the faculty

1. Chairperson of Board of Studies in Applied Geo Science Member
2. Chairperson of Board of Studies in Biological Oceanography Member
3. Chairperson of Board of Studies in Physical Oceanography and Ocean Modeling –Member
4. Chairperson of Board of Studies in Food Science & Technology Member
5. Chairperson of Board of Studies in Marine Microbiology - Member
6. Chairperson of Board of Studies in Biotechnology and Bioinformatics - Member
7. Dr.M.R.Boopendranath, Principal Scientist (Rtd.), Central Institute of Fisheries Technology (CIFT), Kochi (Board of Studies Biological Oceanography) - Member
8. Dr.Kamalakshan, Kokkal, Joint Director, KSCSTE, Sasthra Bhavan (Board of Studies Geoscience) - Member
9. Dr.L.Harenduprakash, Director (Board of Studies in Physical Oceanography and Ocean Modeling)- Member
10. Dr.S.Girija, Director NIFPHATT, Kochi 17 (Board of Studies Food Science and Technology) - Member
11. Dr.K.V.Lalitha, Principal Scientist, CIFT, Kochi (Board of Studies Marine Microbiology) - Member
12. Dr.C.Justin David, Academic Consultant, Dept.of Biotechnology and Bioinformatics, KUFOS (Board of Studies Biotechnology and Bioinformatics) - Member
13. Dr.Baban Ingole, Scientist F., NIO, Goa - Member

III. FACULTY OF OCEAN ENGINEERING

Dean – Dr. K.Vasudevan, Emeritus Professor, Dept of Electronics, CUSAT

Chairperson of all Board of studies comprised in the faculty

1. Chairperson of Board of Studies of Remote Sensing Technology & GIS — Member
2. Prof.Sasikumar, Course Professor and Co-ordinator of PG Programme, K.M., School of Marine Engineering, CUSAT Cochin – 22 - Member
4. Prof.V.Sundar, Dept.of Ocean Engineering, IIT, Chennai - Member



IV. FACULTY OF CLIMATE VARIABILITY AND AQUATIC ECOSYSTEM

Dean - Prof.N.R.Menon, Professor Emeritus, Dept. of Marine Biology, Microbiology and Biochemistry, CUSAT, Kochi -16 - Chairman

Chairperson of all Board of studies comprised in the faculty

1. Chairperson of Board of Studies in Coastal Zone Management - Member
2. Chairperson of Board of Studies in Disaster Management - Member
4. Dr.Ramesh, Director, National Centre for Sustainable Coastal Management, Koodal Building, Anna University, Chennai -25 - Member
5. Dr.K.V.Thomas, Scientist F & Head of Marine Science (Rtd.), National Centre for Earth Science Studies, Thiruvananthapuram - Member



V. FACULTY OF MANAGEMENT, HUMANITIES AND SOCIAL SCIENCES

Dean - Dr.M.Bhassi, Director, School of Management Studies, CUSAT, Cochin -22 - Chairman

Chairperson of all Board of studies comprised in the faculty

1. Chairperson of Board of Studies in Economics & Statistics Member
2. Chairperson of Board of Studies in Legal Studies - Member
3. Chairperson of Board of Studies in Business Administration & Management - Member
4. Prof.K.R.Muraleedharan Nair, Former Dean, Faculty of Statistics, Cochin University of Science and Technology (Board of Studies ; Economic and Statistics) - Member
5. Dr.K.B.Balakrishnan, Associate Professor, NUALS, Kochi (Board of Studies ; Legal Studies) - Member
6. Prof. P. Sudarsanan Pillai, former Dean (CUSAT) (Board of Studies ; Business Administration and Management) - Member
7. Dr.P.T.Sreenivasan, Former Head, Dept. of Management Studies University of Madras - Member



DIRECTORS OF VARIOUS SCHOOLS

1. Dr.S.Shyama, Professor & Director (i/c)	Aquaculture & Biotechnology
2. Dr.S.Suresh Kumar, Professor& Director (i/c)	Ocean Science & Technology
3. Dr.M.S.Raju, Professor& Director	Management and Entrepreneurship
4. Dr.Devika Pillai, Asso Professor & Director (i/c)	Fishery Environment
5. Dr.K.Ranjeet, Associate Professor& Director (i/c),	Fishery Resource Management and Harvest Technology
6. Dr.M.K.Sajeevan, Associate Professor& Director (i/c)	Ocean Engineering and Underwater Technology
7. Dr.K.Gopakumar, Prof. of Eminence & Director (i/c),	Aquatic Food Products & Technology

STAFF DETAILS**Section wise details of**

(i)Teaching staff (Regular, Academic Consultants, Professor of Eminence, Contract & Guest)

HEADS OF DEPARTMENTS

1. Dr.S.Shyama, Professor	Dept.of Aquaculture
2. Dr.S.Shyama, Professor	Dept.of Fish Nutrition and Feed Tech.
3. Dr.Devika Pillai, Associate Professor	Dept.of Aquatic Animal Health & Mgt.
4. Dr.M.K.Sajeevan, Associate Professor	Dept.of Fisheries Resource Mgt.
5. Dr.V.K.Venkitaramani, Academic Consultant	Dept.of Biological Oceanography and Biodiversity
6. Dr.V.K.Venkitaramani, Academic Consultant	Dept.of Biotechnology
7. Dr.V.K.Venkitaramani, Academic Consultant	Dept.of Coastal Zone Management
8. Dr.Prasada Rao, Academic Consultant.	Dept.of Physical Oceanography and Ocean Modeling .
9. Dr.S.Rajendran, Academic Consultant.	Dept.of Applied Geoscience
10. Dr.S.Rajendran, Academic Consultant.	Dept.of Remote Sensing Tech.&GIS
11. Dr.S.Rajendran, Academic Consultant.	Dept.of Disaster Mgt.
12. Dr.K.Gopakumar, Prof.of Eminence	Dept.of Food Science & Technology
13. Dr.V.Ambilikumar, Associate Professor	Dept.of Business Administration and Management

REGULAR TEACHERS WORKING IN VARIOUS DEPARTMENTS

	Name & Designation	Discipline	School
1	Dr. M.S. Raju Prof. & Director of School	Economics	Management Studies and Entrepreneurship
2	Dr. S. Shyama, Professor	Aquaculture	School of Aquaculture and Biotechnology
3	Dr. V. Ambilikumar Professor	Business Management	Management Studies and Entrepreneurship

4	Dr.S. Suresh Kumar Professor	Biological Oceanography	Fisheries Resource Management and Harvest Technology
5	Dr. Devika Pillai, Associate Professor	Aquaculture	School of Aquaculture and Biotechnology
6	Dr.B. Manoj Kumar Associate Professor	Fishing Technology	Fisheries Resource Management and Harvest Technology
7	Sri.N.N. Raman Associate Professor	Marine Meteorology	Fisheries Resource Management and Harvest Technology
8	Dr. Daisy C. Kappan Associate Professor	Fishery Extension	Management Studies and Entrepreneurship
9	Sri.Mathew Sebastian Associate Professor	Statistics	Management Studies and Entrepreneurship
10	Smt. V. Malika Associate Professor	Statistics	Management Studies and Entrepreneurship
11	Smt. Alphy Korath Associate Professor	Fishery Statistic	Management Studies and Entrepreneurship
12	Dr. K. Dinesh Assoc. Professor	Aquaculture	Fisheries Resource Management and Harvest Technology
13	Dr. Ranjeet K. Associate Professor	Biological Oceanography	Fisheries Resource Management and Harvest Technology
14	Dr M. K. Sajeevan Associate Professor	Fishery Biology	Fisheries Resource Management and Harvest Technology
15	Dr. K.R.Salin Assistant Professor	Aquaculture	Fisheries Resource Management and Harvest Technology
16	Dr. Anu Gopinath Assistant Professor	Chemical Oceanography	Fisheries Resource Management and Harvest Technology
17	Smt. Safeena M.P. Assistant Professor	Microbiology	Aquatic Food Products and Technology
18	Dr. Blossom K.L. Assistant Professor	Food Science & Nutrition	Aquatic Food Products and Technology
19	Dr. Prabhakaran M.P. Assistant Professor	Fisheries Oceanography	Fisheries Resource Management and Harvest Technology
20	Dr. Chiranjiv Pradhan Assistant Professor	Fish Nutrition	School of Aquaculture and Biotechnology
21	Dr. Punnedath Preetham Assistant Professor	Biochemistry	Aquatic Food Products and Technology
22	Dr. S.M. Rafi Assistant Professor	Biological Oceanography	Fisheries Resource Management and Harvest Technology

23	Dr. K Jayalakshmi Assistant Professor	Fish Biology	Fisheries Resource Management and Harvest Technology
24	Dr. Rajeev Raghavan Assistant Professor	Fish Taxonomy	Fisheries Resource Management and Harvest Technology
25	Dr. Linoy Libini Assistant Professor	Aquaculture	School of Aquaculture and Biotechnology
26	Dr. Abhilash Sasidharan Assistant Professor	Fish Processing	Aquatic Food Products and Technology
27	Dr. Binu Varghese Assistant Professor	Fish Breeding	School of Aquaculture and Biotechnology
28	Dr. Rejish Kumar Assistant Professor	Aquaculture	School of Aquaculture and Biotechnology
29	Dr. Swapna P. Antony Assistant Professor	Fish Pathology	School of Aquaculture and Biotechnology
30	Dr. Pramila S. Assistant Professor	Fishery Biology	Fisheries Resource Management and Harvest Technology
31	Dr. Anwar Ali P.H. Assistant Professor	Fishery Biology	Fisheries Resource Management and Harvest Technology
32	Dr. Mithun Sukumaran Assistant Professor	Aquaculture	School of Aquaculture and Biotechnology

ACADEMIC CONSULTANTS

Sl. No.	Name & Designation	Department	School
1	Dr. V.K. Venkataramani	Biological Oceanography	Ocean Science and Technology
2	Dr. G Sadasivan Nair	Maritime Law	School of Management and Entrepreneurship
3	Prof. S. Rajendran	Applied GeoScience	Ocean Science and Technology
4	Dr. C.V. K. Prasada Rao	Physical Oceanography	Ocean Science and Technology
5	Dr. Justin David	Biotechnology	Ocean Science and Technology
6	Dr. N. Rajendran	Microbiology	Ocean Science and Technology
7	Dr. Benny N. Peter	Coastal Zone Management	School of Ocean Engineering
8	P.T. Lakshmanan	Marine Chemistry	Ocean Science and Technology
9	Dr. K.V. Thomas	Disaster Management	School of Ocean Engineering

PROFESSOR OF EMINENCE

Sl. No.	Name & Designation	Department	School
1	Dr. K. Gopakumar	Food Science & Technology	Ocean Science and Technology
2	Dr. K.S. Purushan	Pandit Karuppan Chair	School of Management and Entrepreneurship
3	Dr.D.D. Namboothiri	Food Science & Technology	Ocean Science and Technology

TEACHERS ON CONTRACT BASIS

Sl. No.	Name & Designation	Discipline	School
1	Dr. Mariya T. Cheeran	Rural Management	Management Studies and Entrepreneurship
2	Dr.Sneha Susan Simon	Food Technolocy	Aquatic Food Products & Technology
3	Sri. Hamid Hussain. V	Fisheires	Fishery Environment
4	Dr.. Suresh P.R.	Economics	Management Studies and Entrepreneurship
5	Sri. Mahesh J	Geosciences	Ocean Science and Technology
6	Dr.Rachanamol S.	Microbiology	Ocean Science and Technology
7	Dr.Raghul Subin. S.	Microbiology	Ocean Science and Technology
8	Sri.Sarath Prasanth S.V.	Geosciences	Ocean Science and Technology
9	Arun Kumar V.S.	Ocean Engineering	Ocean Engg. & Technology
10	Sri.Sreenal Sreedhar	Remote Sensing	„
11	Smt. Ashamol V.		Management Studies and Entrepreneurship
12	Mary Jisha Francis	Physical Oceanography	Ocean Sciences and Technology
13	Sandhya Lekshmi	Aquaculture	Aquaculture and Biotechnology
14	Sri. George Joseph	Human Resource Management	Management Studies and Entrepreneurship
15	Sri. Rajeeve G.K.	Marketing Management	Management Studies and Entrepreneurship
16	Sri. Shajeera K.A.	General Management	„
17	Smt. Sanu Jacob	Agricultural Post Harvesting Technology	„

GUEST LECTURERS

Sl. No.	Name
1.	Anju K. Joshi
2.	Praveen Kurian Thomas
3.	George Basil
4.	Dr. K.M. Mathew, Professor (Rtd.)
5.	Sri. Sudhir
6.	Dr. Rachel Fernandez
7.	Dr. Sanu Jacob
8.	Sri. Ankur Nagori
9.	Nellengol Kavitha Karunakaran
10.	Saranya P.
11.	Renjith T.A.
12.	Adv. Jayaprakash
13.	Dr. V.N. Sanjeevan
14.	Sruthy Baby
15.	Adv. Syam Kumar
16.	Adv. Smitha Chathanarambath
17.	Dr. V.S. Sebastian
18.	Dr. Benjamin P.V.

(I)NON - TEACHING STAFF**GENERAL ADMINISTRATION**

Sl. No. Name & Desigantion	Section
Smt. M.D. Kunjamma, Deputy Registrar	Administration
Sri.K.M. Mohammed Iqbal, Assistant Registrar	,,
Sri. P.R.Sreekumar, Section Officer	,,
Smt. Meera. T. M., Section Officer (FC& D)	
Sri.Shaheer, Asst. Section Officer	,,
Sri.Vijayshine. K. V, Asst. Section Officer	,,
Sri.K.K. Faizal, Asst. Section Officer	,,
Sri.Muhammed Shanar, Asst. Section Officer	,,
Smt. Ajitha T.C, O.S. (Hr. Gr.)	
Smt. Litty Fernandez, Sel. Gr. Typist	
Sr. T.M. Devassy, Asst. Section Officer	Fisheries Station, Puduveyypu
Sri. P.V. Asokan, Assistant Registrar	Planning & Devt.
Sri. Raju Kurian. M, Asst. Section Officer	,,
Smt. Vinu C.V., Asst. Section Officer	,,
Dr. P.Sunilkumar, Asst. Section Officer	
Smt. Piusa Felix, Assistant Registrar	Academic
Smt. Deepthi. V., Asst. Section Officer	,,
Sri.Ajith Kumar K.L., Asst. Section Officer	,,
Smt. Dhanya, Typist Sr. Gr	,,
Sri. C. Pradeep, Deputy Registrar	Finance
Sri.T.K. Deleep, Section Officer	,,
Smt. Elizabeth Edward, Asst. Section Officer	,,
Smt. Thressiamma John, Office Superintendent	
Smt. Litty, Sel. Gr. Computer Assistant	
Smt. Seema M.C., Sel. Gr. Computer Assistant	
Smt. Dhanya, Sel. Gr. Computer Assistant	
Smt. K.B. Jaya, Assistant Registrar &PS to Vice Chancellor	Office of Vice Chancellor
Smt. Priya M, Asst. Section Officer	,,
Sri. A.V. Thomas, Sel. Gr. Computer Assistant	,,
Sri. Vijayan Office Superintendent	Office of Pro Vice Chacnellor
Sri. N.B. Sudheer, Section Officer &PA to Registrar	Office of Registrar
Smt. Thressiamma John, Office Superintendent	,,
Smt. Tessy K. Thomas, Computer Programmer	
Sri.Kunjumuhammed. V. S., Assistant Librarian	Library
Smt. P. V. Vijayalakshmi, Reference Assistant	,,
Smt. Ramya Raveendran, Technical Assistant	,,
Smt. Padma Narayanapillai, Farm Superintendent	Farm Staff
Sri. K.K. Reghuraj, Farm Manager Gr. I	,,
Smt. Bindumol Abraham, Farm Officer Sel. Gr.	,,
Sri.K.K. Sreekumar, Pump Operator	

Sri. P. M Beneesh	Lab Assistant
Smt. P. S. Surya	”
Smt. Rajamma K.M.	”
Sri. K. Surendran, HDV Driver	Transportation Wing
Sri. N.C., Jose, LDV Driver	
Sri. A.T. Gheevarghese, LDV Driver	
Smt.Girijamma G., Matron Sel. Gr.	Hostel
Sri.K.J. Jose, Dupli. Machine Operator Sr.Gr.	Office
Sri.Lineesh K.R.	Office Attendant
Sri. Arun K.J.	”
Sri. Renjith.A.R.	”
Smt.Sindhu Devi (On deputation)	”

PUBLICATION & PUBLIC RELATIONS OFFICER (i/c) – Sri. Mohammed Iqbal, Asst Registrar
Contract staff – External Aided Project / Plan Project

1.	Sri. Rajeesh P.M.	Research Fellow
2.	Smt. Mekha Bose	Tech. Assistant
3.	Sri. Sanju K. Research Fellow	
4.	Smt. Resmi M.R.	Field Assistant
5.	Smt. Shiny Peter	”
6 .	Smt. Anju M.S.	”
7.	Smt. Salini N.S.	”
8.	Smt. Henamol A.A.	”
9.	Smt. Hema A.A.	”
10.	Smt. Syamala V.K.	”
11.	Smt. Remya L. Sundar	Research Fellow
12.	Sri. S. Thiruvarasu	”
13.	Smt. Maneeja Murali	”
14.	Sri. Sreenath V.R.	Senior Research Fellow
15.	Smt. Divya V. Haridas	”
16	Smt. Anu Remanan	Research Fellow
17.	Smt. Gilgi M.G.	Nursery Attendant
18.	Smt. Surya A.B.	SRF
19.	Smt. Sreeja P.V.	Field Assistant
20.	Sri. Vineeth kumar	”
21.	Smt. Gayathri P.V.	Project Scientist
22.	Smt. Fejila Agnes	SRF
23.	Smt. Sreeparvathy	SRF

24.	Sri. Sam Peter	SRF
25.	Sri. Vipin Das P.V.	SRF
26.	Sri. Silesh M.S.	SRF
27.	Sri. Viji V.	SRF
28.	Sri. Harish K.C.	SRF
29.	Sri. Akhil P.B.	SRF
30.	Smt. Divya A.S.	Tech. Asst.
31	Smt. Rekha K.R.	Office Asst-cum-Accountant
32.	Smt. Geeji M.T.	SRF
33.	Smt.Sneha K.G.	SRF
34.	Sri. RakeshC.G.	SRF
35.	Smt. Neenu Prakash	SRF
36.	Smt. Aswathy	SRF
37.	Dr. Elizabeth Carolin	Project Scientist
38.	Smt. Devi.	SRF
39.	Sri.Arjunan	SRF
40.	Sri.Renjith	SRF
41	Sri. Hareesh V.N.	Fieldman (F)

CONTRACT STAFF - ENGINEERING WING

Sl. No.	Name	Designation
1	Smt. Anija G.T.	Assistant Engineer (Civil)
2	Smt. Shiny M.V.	Overseer
3	Sri. Santhosh Kumar K.P	Electrician
4	Sri. Aneesh T.	„
5	Sri. Mohandas S.	Assistant Engineer (Elec.)
6	Kum. Anjana Anilkumar	Computer Engineer

(I)DAILY WAGE STAFF

1	Sri. Babu Paul	Assistant, Academic
2	Smt. Reshma V.S.	„
3	Smt. Simi Sajeevkumar	„
4	Smt. Sunila M.	Assistant, Administration
5	Smt. Shamila P.H.	„
6	Smt. Sajila V.L.	„
7	Smt. Praveena A.P.	Assistant, Finance
8	Smt. Preetha V.N.	„
9	Smt. Sajila V.L.	„
10	Smt. Meharunnisa A.	„
11	Smt. Praveen C. Prasad	Assistant, Management Studies

12	Smt. Salini T.S.	Assistant, Processing Dept.
13	Smt. Bindhu P.P.	Assistant, SOST
14	Smt. Shabeera	Assistant, Directorate of Research
15	Smt. Sheela M.T.	Computer Assistant, Acad.
16	Smt. Sindhu K.S.	Class IV
17	Smt. Sreedevi Bijumon	„
18	Smt. Omana N.K.	„
19	Sri. Ramesh A.K	Driver cum Office Attended
20	Sri. Bijumon K.K.	„
21	Sri. Anoop G. Menon	„
22	Sri. Harikrishnan V.M.	„
23	Sri. Jayapalan K.P.	Bus Attendant
24	Smt. Swathylakshmi	Field Assistant, F.S.Puduveypu
25	Sri. Saneer N.S.	Field Assistant
26	Sri. Nazeer T.K.	Pump Operator
27	Sri. Sasidharan Pillai	Security Guard.

SCHOOL OF MANAGEMENT AND ENTREPRENEURSHIP

The School of Management and Entrepreneurship one of the seven schools under the Kerala University of Fisheries and Ocean Studies (KUFOS) offers four unique Post-Graduate courses, Viz; M.B.A. (Master of Business Administration-General Stream) and M.B.A. (Energy Management), L.L.M (Maritime Law), M.Sc. (Statistics) and Ph.D. Programme in Management and Law. The School also offers various courses for the B.F.Sc., B.Tech., M.F.Sc., M.Sc. & M.Tech. Programmes offered by other Schools and Departments of the University.

Department: Department of Business Administration and Management

Staff strength	Professor	: 1
	Associate Professor	: Nil
	Assistant professor	: Nil
	Adjunct faculty	: Nil
	Contract/Guest faculty	: Contract-3, Guest- 2
Student strength	MBA2016 Batch	: 14
	MBA2017 Batch	: 38
	MBA2017 Batch	: 15
	PhD	: 9

Plan for the current academic period

: M.B.A. (General Stream)
 : M.B.A. (Energy Management)
 : Ph.D. (Management)
 : Teaching, Research and Extension activities,
 Industrial Visits, Skill Development Programmes

DETAILS OF DEPARTMENTAL MEETING CONDUCTED WITH AGENDA CONFERENCE/SEMINAR/WORKSHOP/ INVITED LECTURES ORGANIZED BY THE DEPARTMENT



Three day orientation programme for M.B.A graduates

An orientation programme for M.B.A students of KUFOS was organised on August 2016, by the School of Management and Entrepreneurship, Kerala University of Fisheries and Ocean Studies (KUFOS). KUFOS Vice Chancellor Prof.(Dr). A.Ramachandran, inaugurated the orientation programme and in his inaugural address emphasized the importance of orientation programme for management and law graduates as their stream is different as compared to arts and science graduates. He said that there are immense opportunities for M.B.A graduates both in corporate and non-corporate sectors. Three day orientation programme was handled by Prof. Dr. Oomen Mathew, founder head of Institute of Management in Government, Kochi and CEO of Institute of Management and Human Resource International, Prof. Mary Matilda and Dr. P V Joseph. Prof. Dr. Oomen Mathew conducted session on Communication, Behavior pattern, Leadership and Management. Prof. Mary Matilda took sessions on Performance, Winners v/s Losers, Behavior pattern and time management and Dr. P V Joseph handled sessions on changing trends in the world, success formula and habits of highly effective people



On 27th and 28th October 2016, the Department of Business Administration and Management of SME conducted an Inter collegiate Management Fest named “Waves 2k16” for the second time. Waves 2K16 covers the event relating to the core areas of management like Finance Game (Quatermasters), Best Manager (Captainfanastic), Business Quiz (Brainvoyage), HR Game (Boatswain), Marketing Game(Helmsmen), and also non management events such as Spot Photography (Spyglass), Treasure Hunt (Chest of Atlantis) and Spot Dance (Shuffling Legs).The inaugural ceremony was conducted at the North Eastern Campus of KUFOS (SME). The Chief Guest of the function was Gigo Joesph (CEO of Tutor Camp and the former CEO Info Park) and the lamp was lighted by Hon'ble Pro Vice Chancellor Prof. Dr. K. Padmakumar. Around 250 students from 45 colleges participated in Waves 2K16. The main sponsor of the Fest was SBT, Vytilla and the events were co-sponsored by MPEDA, Geojith BNP Paribas and Chungath Jewellery. The Media and Radio partner of Waves 2K16 was Malayalam Manorama and Radio Mango 91.9. The overall budget of the Fest was around Rs. 3, 50000 and the prize money worth Rs. 1,00000. Prof Dr A Ramachadran, Hon'ble Vice Chancellor, KUFOS was the chief guest of valedictory function and he distributed the prizes to all the winners. Management Fest was concluded with a fabulous musical show by Red Wine Band. Dr. Mariya T Cheeran was the Faculty co-ordinator of Waves 2K16

REPORT OF STUDENTS RECRUITMENT DEVELOPMENT PROGRAMME



Department of Business Administration and Management, School of Management and Entrepreneurship (SME), Kerala University of Fisheries and Ocean Studies (KUFOS) along with PTA, KUFOS had organised a competitive skill development programme for the MBA 2015 and 2016 Batch from 6th to 10th February, 2017. The programme was conducted by Triumphant Institute of Management Education (T.I.M.E), Kochi. The programme was organized for acquainting the students with necessary skills and knowledge for facing the competitive examinations and job interviews.

The sessions were taken by well knowledgeable personnel. The class consisted of morning and evening sessions covering different topics relating to competitive examination. Topics covered include Quantitative Aptitude, General English and Logical Reasoning. On the final day of the programme there was a session covering mock Group Discussion and Interview.

ACADEMIC ACHIEVEMENTS OF FACULTY



ACADEMIC ACHIEVEMENT OF STUDENTS

The third convocation of Kerala University of Fisheries and Ocean Studies (KUFOS), Panangad, was held on 18th February, 2017. Sixteen MBA students received their degree from the Hon'ble Governor P. Sathasivam who inaugurated the ceremony. Fisheries Minister J. Mercykutty Amma presided over the function. Vice Chancellor Prof. Dr. A. Ramachandran presented the annual report at the function. Ms. Evelyne Dsilva MBA 2014 Batch secured the first rank and received the gold medal from the Governor.

CAPACITY BUILDING OF STAFF AND STUDENTS



STUDENT EXPOSURE

Student exposures are very important for the overall development of a student. It gives them an opportunity to learn from their own experiences and from the experience of others. As part of student exposure we organized industrial visits and various internship programmes. During the first semester and second semester students were taken to industries/organization working within the State.

ARTS AND SPORTS

MBA students participated in the university arts festival *KALASHIKHA 2016* and secured second prize in Skit and third prize in Nostalgia

They also participated in university annual sports meet. Libi T of MBA 2015 Batch secured third place in hurdles and Bhagyalakshmi received second place in 400 metres and third in 800 metres.



INDUSTRIAL VISIT

MBA 2015 Batch went for a 3 day industrial visit to Ooty, Mysore, and Bangalore from 9th to 12th March, 2017. The group consisted of 40 students (27 females and 13 males) accompanied by Associate prof. Mathew Sebastian and Assistant Prof. Sandhyalekshmi P. On the first day, they visited the Dodabetta Tea factory at Cooncoor, which produces 30 tonnes of tea

powder per month. They went to Soaps and Detergent Ltd, (Mysore sandals) a company owned by the Government of Karnataka, which is set up for sandal wood oil extraction on 11th. They concluded their industrial visit by visiting Karnataka Silk factory where they were introduced to several silk processing and weaving process by experts in each area. They also went to see Visvesraya Industrial and Technological museum, Bangalore (VITM). VITM is a constituent unit of council of science museum (NCSM), ministry of culture, Government of India. The museum is a treasure chest of science and technology.



RESEARCH ACHIEVEMENTS AND PUBLICATIONS OF STAFF AND STUDENTS

Dr. M.S. Raju attended Integrated workshop on MGNEGS at SIRD, Kottarakkara on 8th April 2016

Dr. M.S. Raju, Coordinator of the XII Plan Project “The Pandit Karuppan Chair”.

Dr. M.S. Raju, PI of the XII Plan Project “Centre for Survey and Appraisal of Socio-Economic Status of Fisherfolk of Kerala”.

Dr. M.S. Raju, PI of the XII Plan Project “Centre for Field Consultancy and Data Analysis”.

Dr. V.Ambilikumar, Professor was the coordinator of KUFOS aided project on “Performance of Primary Level Fishermen Development and Welfare Cooperative Societies in Kerala- an Evaluation”. The project was completed on 31.3.2017

PUBLICATION OF STAFF

1. Ambilikumar, V, Raju, M.S. and Sebastian, Mathew (2016), The Changing Climate : Impact and Observations of Fisherfolk of Kerala, International Journal of Science, Environment and technology, Vol.5, No.6, pp.4147-4162. ISSN 2278-3687 (O) 2277-663X (P). 2016.
2. Lakshmi P. and M.S. Raju. Emerging Trends in Foreign Trade of India-Retrospective and Prospective with Special Reference to Post Globalization Changes. Erudition - The Albertian J. of Management. ISSN 0973-7839. July 2017.
3. Lakshmi P. and M.S. Raju. Trends in seafood trade with special reference to frozen shrimp export-retrospective and prospective. International J. of Research Culture Society. Vol.1, Issue-10, 2017. ISSN 2456-6683.
4. Lakshmi P. and M.S. Raju. Emerging Trends in Foreign Trade of India – A Glimpse into the Post Globalized Economy. 6th International Conference on Studies in Education, Economics, Business and Law, Pattaya, Thailand,

10-11 July 2017. ISBN 978-81-933894-7-8. 2017.

5. M.S. Raju, Ambilikumar.V., Malika.V., Sreeja P.V., et al. Socio-Economic Status of Fisherfolk , Kerala, India. Report of Kerala State Plan Project, Working Paper-I. KUFOS, Kochi., 2017.
6. **Mariya T Cheeran, Saji K S (2016)**, Appalling Insinuation of Software Jobs on Family Environment: A Study with Special Reference to IT Professionals in Kerala, Management and Labour Studies, Sage Publication, Vol 40, Issue 1-2,
7. Govind S. Menon (2016) – Parametric factors affecting the Performance improvement of a Solar Still coupled with a flat plate collector, International Journal of Engineering Research (IJER), 5(1): 30-33.
8. Govind S. Menon (2016) – Design and fabrication of a Solar Flat plate collector to assess its efficiency, International Journal of Mechanical Engineering and Research(IJMERE), 189-193.

ACADEMIC/RESEARCH/EXTENSION ACTIVITIES OF FACULTY OUTSIDE THE UNIVERSITY

1. Dr. M.S. Raju, Convener, ASC-KUFOS Workshop on Syllabus Modernisation of MBA Programmes in Kerala held at KUFOS on 10th and 11th November 2016. The workshop was organized jointly by the Admission Supervisory Committee, Govt. of Kerala and KUFOS (Annexure-I).

Service as Expert in other Universities/ Institutions:

1. Dr. M.S. Raju, Observer, KMAT entrance examination conducted by the Admission Supervisory Committee for Professional Colleges, Kerala
2. Dr. V.Ambilikumar was the resource person for a session on Research Methodology at Academic Staff College, Karyavattom on 15th March 2017

MEETINGS ATTENDED BY FACULTY MEMBERS OUTSIDE THE UNIVERSITY

Dr. M.S. Raju attended Admission Supervisory Committee (ACS) meetings held at Kochi and Trivandrum

Dr. M.S. Raju, Convener, ASC-KUFOS Workshops on Syllabus Modernisation of MBA Programmes in Kerala held at KUFOS. The workshop was organized jointly by the Admission Supervisory Committee, Govt. of Kerala and KUFOS.

Meetings attended by Dr. V.Ambilikumar, Professor, SME, KUFOS

1. Attended Academic Council Meeting of CUSAT held on 10.5.2016 and on 4.2.2017
2. Attended the Senate meeting of CUSAT held on 4.3.2017
3. Attended the Assurance Committee meeting of CUSAT held on 3.5.2016

CONFERENCES/ WORKSHOPS:

Attended by Dr. V.Ambilikumar, Professor, SME, KUFOS

1. Integrated workshop on MGNEGS at SIRD, Kottarakkara on 8th April 2016
2. Discussion meet on National IPR Policy held at Mascot Hotel, Thiruvananthapuram on 14th July 2016.
3. ASC-KUFOS Workshop on Syllabus Modernisation of MBA Programmes in Kerala held at KUFOS on 10th and 11th November 2016. The workshop was organized jointly by the Admission Supervisory Committee, Govt. of Kerala and KUFOS.
4. World Fish Migration Day Panel Discussion and Seminar on Linking Rivers , Barrages and Fish Migration held at KUFOS, Kochi on 21st May 2016. The seminar was organized jointly by the Community Environment Resource Centre (CERC) of Ashoka Trust for Research in Ecology and the Environment (ATREE) and the KUFOS.

International Conference on “Science and Technology for National Development” held at KUFOS, Kochi during 25th to 26th October 2016. Presented paper in the conference

Attended by Sri. Govind S. Menon

1. International Conference on 'Science and Technology for National Development' organized by The Indian Science Congress Association at KUFOS Cochin on November 2016
2. Conference on Energy Management and Energy Sustainability on April 2017
3. International Workshop on 'Advances in Solar Thermal Technologies' at Rajagiri School of Engineering and Technology, Cochin on February 2017

ASC-KUFOS WORKSHOP - I

REPORT ON WORKSHOP FOR MODERNISING

THE M.B.A. CURRICULUM IN KERALA AS ENVISAGED BY THE ADMISSION SUPERVISORY COMMITTEE FOR PROFESSIONAL COLLEGES IN KERALA HELD AT KUFOS ON

10th & 11th NOVEMBER, 2016

All the invited dignitaries and faculty members from various universities and business schools in Kerala assembled in the main auditorium of Kerala University of Fisheries and Ocean studies (KUFOS), Panangad on Nov 9th at 9 A.M

The welcome speech of the auspicious event was delivered by Prof.(Dr.) M. S. Raju, Director, School of Management and Entrepreneurship, KUFOS.

The workshop was inaugurated by Prof. (Dr.) A. Ramachandran, the Vice Chancellor by lighting the lamp. In his inaugural address he urged the eminent academicians & industrial experts to explore new avenues in Risk analysis, Risk Management, Diversity Management so as to keep pace with the international business practices.

Sri. Venugopal C. Govind, Eminent Financial Adviser and Chartered Account and senior Managing Partner of Varma& Varma was the Chief Guest for the event. His scholarly speech on the evolution and emerging dimensions of management was unique and enlightening. He opened his speech underlining that a revised & updated Masters programme in Business Administration is the need of the hour and is of paramount importance to the development of an economy as “Management”, “Business” & “Administration” are the key elements common to all domain, whether it be pure science, applied science, medicine, commerce, humanities or social sciences. Professionals from all domains not only Businessmen but also professionals Functional heads, Scientists, Academicians, Politicians, Government servants have to understand the basic concept of “management” to discharge their duties, to optimize result and to meet contingencies.

He emphasized that MBA programme should not just concentrate on accumulating knowledge from books but on building up a “humane element” in individuals & promoting holistic development of people. “People Management” was the key to solve most critical issues in all domains hence even great people like Mr. Narayana Murthy advised his chief financial officer to take up the role of Chief Human Resource Officer, which he was reluctant at first, but on doing so, realized that it did wonders to the organization and brought a miraculous change to his career graph. He reiterated that management studies should be capable of bringing out the talents inherent in an individual and that for the development of our country and its citizens. Also, it is essential to bridge the existing gap between the premier management institutes and the other small management schools running in the country.

The Prerequisites of Management College highlighted by Sri. Venugopal C. Govind:

1. Quality of Teaching Faculty –Academicians should be updated and they should promote the concept of “Life Long Learning” & should be able to motivate the students.
2. Teaching Methodology - Pedagogy used to pass knowledge to students should develop critical thinking in students. New business models should be taught.
3. Realistic Connect – The curriculum in colleges should connect the students to the real world as the existing syllabi have lacunae and a wide gap exist between the theoretical concepts taught and the practical scenario.
4. Self-evolving – The syllabus should help the management to evolve as dynamic and self sustaining in the complex and volatile world of today. The syllabus should be able to meet the changing global trends and should cater to the international scenario.

5. Hard skills and soft skills - The curriculum should develop the hard skills as well as the soft skills of the students, whereby his conceptual clarity, analytical skill should be developed along with his communication and leadership skills.
6. Business ethics- Values and ethics should be given prominence in the educational system.

Sri. Venugopal C. Govind reiterated that passion & individual goals of students should match the requirements of the industry and that a business manager has no established flowchart to follow but should be able to combine his talent & general business knowledge to take right & appropriate decisions for the organization.

Sri. P. Vijayan, the Manager, ASC felicitated the function.

Dr. V.M. Victor George, Registrar KUFOS addressed the gathering & urged them to have a brainstorming session so as to modernize the current syllabi to bridge the gap between Industrial requirements & available student community.

The meeting later was adjourned for a tea break.

The session resumed at 11.30 am for expert presentations/talks which was chaired by Prof. (Dr.) M. Bhasi, Director SMS CUSAT & Dean, CUSAT / KUFOS. He emphasized the need for periodic deletions and additions in the MBA Syllabi to make it updated and relevant.

Mrs. Rina, Chairperson Kerala Chapter, IWN , Confederation of Indian industries ,CEO Medtrina Knowledge partners, gave a deliberation on importance of technology platform for HR, Marketing, Finance and Operations. She highlighted the importance of data analytics and 'Big Data' in modern business. She suggested that B-Schools should inculcate strategic thinking, leadership qualities and soft skills in MBA aspirants.

Mr. Renjith , Deputy General Manager of Manappuram Finance Ltd., deliberated on the importance of INTERNSHIP and suggested that 'Doing' dimension should more emphasized than “Knowing” dimension in B-Schools.

Prof. (Dr.) K .C .Sankaranarayanan , former Director Applied Economics & Dean, Faculty of Social Sciences, CUSAT emphasized that University should be vigilant and should strictly monitor the quality and working of the B-Schools. He said that since management schools cater to different industry care should be taken to inculcate cross functional knowledge in students with specific importance to different industries.

This was followed by general discussion and interactive session, which was chaired by Prof. (Dr.) M. Bhasi. Dr. Bhasi concluded this session by saying that as new subjects get added to the curriculum, Stale and unimportant topics should be dropped, so as to make the syllabus suitable for the students and industry.

Discussion on the various aspects of syllabus and guideline formation was held in the afternoon session with importance given to the comparison of syllabus of various universities like DELHI, KERALA, CUSAT, CALICUT, MAHATMA GANDHI, KANNUR, VETINARY, AGRICULTURAL, KTU AND KUFOS.

The session was open for discussion to select the basic, tool, elective and specialized courses & Credit load for each.

Based on the consensus arrived at the delegates formed different Work Groups so as to discuss and document the envisaged syllabus modernization and suggest suitable guidelines, which continued upto 4 pm on 11th November 2016.

Besides KUFOS, CUAAT, Calicut University, Kerala Agricultural University, Kerala University and few management schools in Kerala participated in the workshop. Deliberations took place under various groups for different Basic functional as well as Specialised Elective courses. In the Valedictory sessions, chairman of various groups presented their draft syllabus for various courses. Valedictory function was presided over by DR. K.P. Muraleedharan, HOD, SME, University of Calicut.



Prof. A. Ramachandran, Hon'ble Vice Chancellor, KUFOS inaugurating the ASC-KUFOS Workshop



Keynote address: Sri. Venugoopal C. Govind,
Eminent Financial Adviser and Chartered Accountant



Reporting by Prof. K.P. Muraleedharan,
Chairman of Working Group-Marketing Management



Reporting by Prof. P.T. Raveendran, Covenor of Working
Group-Human Resource Management



Reporting by Chairman of Working Group-Energy
Management & Systems, Prof. K.S. Chandrasekhar

REPORT OF THE ASC-KUFOS WORKSHOP - II

Held on Date: 15th December 2016 to Modernize MBA Syllabus in Kerala.

Venue: Seminar Hall, Kerala University of Fisheries and Ocean Studies, Panangad

Presided by: Hon'ble Justice J.M. James, Chairman ASC

Key Note Address: A comprehensive report on the recommendations of the MBA syllabus revision workshop held on 10 and 11th of September 2016 was presented before the delegates by Prof. M.S. Raju, Convenor-SRC.

Presidential Address: Hon'ble Justice J.M. James, Chairman, ASC

Justice J. M. James expressed that the quality and productivity of students passing out of management institutions in Kerala were much below the standards of Business Graduates from B-Schools outside the State. Hence, he mentioned that there exists lacunae in the syllabi and pedagogy which has to be filled so as to cater to the demands of the competitive business market. He urged the gathering to keep aside their intellectual differences to bring about a change in our education system.

Recommendations: After comprehensive deliberations the report was finalized and recommendations were adopted.

Prof. (Dr.) K.P. Muraleedharan, University of Calicut presented the summary report and concluded the session. The SRC thanked Hon'ble Justice J M James, Chairman-ASC for taking his valuable time apart from his busy schedule in attending the entire discussions and providing constructive suggestions.



ASC-KUFOS Workshop -
Hon'ble Justice J.M. James received
by Hon. PVC,
KUFOS Prof. K. Padmakumar



Hon'ble Justice J.M. James,
The Chairman, ASC, receiving
the Modernised MBA Syllabus from
SRC Members



The Chairman,
ASC Presenting Memento to
Dr. M.S. Raju,
Convenor of the Workshop



ASC- KUFOS Workshop
Participants



ASC-KUFOS Workshop -
Presentation and discussion
on draft Syllabus

DEPARTMENT: DEPARTMENT OF ECONOMICS AND STATISTICS

STAFF STRENGTH

Professor	: Nil
Associate Professor	: 3
Assistant Professor	: Nil
Adjunct faculty	: 1
Contract/Guest faculty	: 3

STUDENT STRENGTH

M.Sc. (I year)	: 4
M.Sc. (II year)	: 11
Ph.D.	: Nil

Plan for the current academic period

: M.Sc. (Statistics)
Teaching and Research activities

DETAILS OF DEPARTMENTAL MEETING CONDUCTED WITH AGENDA

Since the Department Governing Council is not yet constituted, meetings with agenda were not held in the Department. The 2nd Board of Studies Meeting for M.Sc. (Statistics) was conducted on 28.12.2016. The Faculty members of the Department attended the 3rd Faculty Committee meeting on 10.01.2017.

CONFERENCE/SEMINAR/WORKSHOP/INVITED LECTURES ORGANIZED BY THE DEPARTMENT

The faculty members of the Department co-ordinated the session on “Applications of Statistics in Life Sciences” in the International Conference on Science and Technology for National Development organized by KUFOS and ISCA on 25-26 Oct.2016.

ACADEMIC ACHIEVEMENTS OF FACULTY

Sri.Mathew Sebastian, Associate Professor was invited for an oral presentation of a research paper in the 3rd International Conference on Fisheries and Aquaculture 2016 held at Negambo, Sri.Lanka on August 24-25,2016 (Abstract No. ICFA – 2016-154).

ACADEMIC ACHIEVEMENT OF STUDENTS

1. Nine students of M.Sc. (Statistics) participated in the two-day Faculty Development Program on “Data Analysis to

Data Science –Management Perspective” at Bhavan's Royal Institute of Management, Cochin from 05.10.2016 to 06.10.2016.

2. Three students of M.Sc. (Statistics) attended the National workshop on “Advanced Statistical Tools and Softwares for Biological Research” at M.G. University, Kottayam from 27.09.2016 to 01.10.2016
3. Four students of M.Sc.(Statistics) were awarded KUFOS Junior Fellowship for the academic year 2016.
4. The first batch of M.Sc. (Statistics) passed out of KUFOS in September 2016. Gold Medals and Certificates were issued in the 3rd Convocation of KUFOS held on 18.02.2017.

CAPACITY BUILDING OF STAFF AND STUDENTS

1. Sri.Mathew Sebastian, Associate Professor and Smt. Sandhya Lekshmi,P , Asst.Professor (contract) accompanied the students 2015 batch MBA for Study Tour / Industrial visit from 09.03.2017 to 13.03.2017.
2. Sri.Mathew Sebastian, Associate Professor was assigned with the charge of the Director, Planning and Development, KUFOS on 05.11.2016

RESEARCH ACHIEVEMENTS AND PUBLICATIONS OF STAFF AND STUDENTS

Title of the Project	:	Biology, Resource Characteristics and Stock Assessment of deep-sea fin fishes and prawns in the depth zone of 200m – 1200m along the southern and central Indian Ocean.
Period of Study	:	2012-2017
Total Outlay	:	78.06 Lakh
PI of the project	:	Smt.Alphi Korath, Associate Professor
Co.PI.	:	Smt. Malika V., ,Associate Professor

RESEARCH ACHIEVEMENTS

1. The faculty members of the Department guided 3 students of M.Sc.(Statistics-2014 batch) and 15 students of M.B.A.(2014 batch) for their Dissertation work. They also served as members in the advisory committee of M.F.Sc. and Ph.D. students for Statistical consultancy and Data analysis.
2. Ms.Veena Vijayan,M.Sc.(Statistics) student presented papers in the International Conference on Science &Technology for National Development held at KUFOS on 25-26 Oct.2016 and in the 26th Swadeshi Science Congress held at CMFRI, Cochin on 7-9 Nov.2016.

PUBLICATIONS:

1. Ambilikumar,V. , Raju,M.S.and Mathew Sebastian (2016). The Changing Climate: Impact and Observations of Fisherfolk of Kerala.International Journal of Science, Environment and Technology. Vol.5,N0.6, 4147 – 4162.
2. Veena Vijayan and Mathew Sebastian (2016).Statistical Modelling and Forecasting of Fish Landings in India.International Conference on Science &Technology for National Development. (Abstract No.ASLS- C:4, P 87.)
3. Veena Vijayan and Mathew Sebastian (2016). Statistical Modelling and Forecasting of Fish Landings in Kerala. 26 th Swadeshi Science Congress (Abstract No. FS-58, P 150)
4. V. VIJI ., K. C. HARISH, ALPHI KORATH AND M.S SILESH,A critical analysis of diet in seventeen deep sea fishes along the South-eastern Arabian Sea, *Indian J. Fish.*, 64(2): 17-21, 2017 DOI: 10.201077/ijf.2017.64.2.67233-03
5. Sileesh, Alphi Korath,Harish K., Viji V.,Aswathy. M, Ronald FRICKE, First record of *Uranoscopus crassiceps*(Alcock, 1890) (Perciformes: Uranoscipidae) from off the Arabian Sea coast, south-western India. *Fish Taxa* (2017) 2(2): 76-81
6. Sileesh MULLASSERI, Alphi KORATH, Viji VIDYAN, Ronald FRICKE, Amritha SURESH, Harish CHANDRAN. First record of *Paratricanthodes retrospinis* Folwer, 1934 (Tetraodontiformes: Triacanthodae) from the Andaman Islands, northeastern Indian Ocean *Fish Taxa* (2017) 2(2): 76-81
7. M.S SILESH, K. ALPHI, K. C. HARISH AND V. VIJI.On the systematic of genus *Scylla* de Haan, 1833 of cochin backwaters, a South Indian estuary Species assemblages and community structure of deep-sea demersal ichthyofauna of the South-eastern Arabian sea (SEAS).*Journal of Marine Biological Association of the United Kingdom*, page 1 of 7. © Marine Biological Association of the United Kingdom, 2017. Doi:10.1017/S0025315417001151
8. P. Lakshmi Devi, Aneykutty Joseph, Anup Mandal, Alphi Korath.On the systematic of genus *Scylla* de Haan, 1833 of cochin backwaters, a South Indian estuary, **Journal Biodiversity Environmental Science (JBES)**. ISSN: 2220-6663 , Vol.10, No. 2, p. 1-15, 2017.

ACADEMIC/RESEARCH/EXTENSION ACTIVITIES OF FACULTY OUTSIDE THE UNIVERSITY

1. Sri.Mathew Sebastian, Associate Professor participated in the ICAR sponsored Winter School on “Application of Advanced Statistical Tools in Agricultural Research” at University of Agricultural Sciences, Dharwad, Karnataka during 08.11.2016 to 28.11.2016.
2. Smt. Alphi Korath Participated in the Cruise No. 349 Of Sagar Sampada from 23 .3.2016-21.4.2016

MEETINGS ATTENDED BY FACULTY MEMBERS OUTSIDE THE UNIVERSITY

1. Sri.Mathew Sebastian, Associate Professor attended the KEAM 2017 Prospectus Revamp Committee meeting at Government Guest House, Thycaud, Thiruvananthapuram on 22.12.2016.

PLACEMENT CELL BULLETIN

One student of M.Sc. (Statistics) joined as Data Analyst in an MNC at INFOPARK, Cochin on 26.12.201

DEPARTMENT: DEPARTMENT OF LEGAL STUDIES

STAFF STRENGTH

Professor	:	Nil
Associate Professor	:	Nil
Assistant professor	:	Nil
Adjunct faculty	:	2
Contract/Guest faculty	:	Contract-2,

STUDENT STRENGTH

LLM (I year)	:	10
LM (II year)	:	11
PhD	:	

Plan for the current academic period

: L.L.M. (Maritime Law)
: Teaching Research and Extension
Visit to various maritime Centers

DETAILS OF DEPARTMENTAL MEETING CONDUCTED WITH AGENDA:

1 Only school level meeting was held.

Conference/Seminar/Workshop/Invited lectures organized by the Department:

1. Invited Lecture by Adv .Shyam Kumar V.M on maritime Law
2. Invited Lecture by From Cochin Institute of International Arbitration

ACADEMIC ACHIEVEMENTS OF FACULTY :

1. Pro.(Dr) Sadasivan Nair Participated as Resource person in National seminar Conducted by CUSAT and Govt Law College, Ernakulam
2. Pro.(Dr) Sadasivan Nair Participated as Resource person in National seminar Conducted by Govt Law College, Ernakulam
3. Ms. Ashamol V presented paper on the “Right to health of seafarers” in the Seminar conducted by Justice V R Krishnair Chair on Human Rights Conducted by SLS , CUSAT

Capacity building of Staff and Students

Faculty Members and Students of LLM had a voyage to the sea along with coast guards



Faculty Members and Students of LLM visited single Moor point where we have technical session on transshipment of oil from ship to the oil tanker of BPCL

Faculty Members and Students of LLM visited Warf at Cochin Ship yard

REPORT OF STUDENTS RECRUITMENT DEVELOPMENT PROGRAMME

Three of our passed out students working as Assistant professors in various Law colleges and National Law School all others are practicing lawyers at Kerala High Courts and Various Subordinate Courts

Academic/Research/Extension activities of Faculty outside the University

- 1.Pro(Dr) Sadasivan Nair Adjunct Professor acted as Member of Board of Paper setters for UGC NET Examination
- 2.Pro(Dr) Sadasivan Nair,Adjunct Professor Acted as Question paper setter for UG and PG and Phd at CUSAT, Calicut and MG University
3. Ashamol V ,Assistant Professor Acted as Question paper setter for UG at CUSAT

Meetings attended by faculty members outside the University

- 1.Pro(Dr) Sadasivan Nair,Adjunct Professor participated in syllabus revision committee of one year LLM Programme at NUALS
- 2 .Ms. Ashamol V Assistant Professor participated as a passing Board member at CUSAT

PLACEMENT CELL

Passed out students are practicing at Kerala High Courts and Various Subordinate Courts. Three of the passed out students working as Assistant professors in various Law colleges and National Law School.

SCHOOL OF OCEAN SCIENCE AND TECHNOLOGY

STAFF STRENGTH

Professor and Director i/c	: 1
Professor of Eminence	: 1
Associate Professor	: 0
Assistant professor	: 0
Adjunct Professor	: 6
Adjunct faculty	: 8
Assistant Professor	: 8
Contract/Guest faculty	: 12

STUDENT STRENGTH

	Programme	I Year.	II Year	Total
1	Marine Biology	22	18	40
2	Physical Oceanography	8	10	18
3	Food Science and Technology	23	20	43
4	Marine Microbiology	12	10	22
5	Biotechnology	14	14	28
6	Earth Sciences	0	6	6
7	Marine Chemistry	12	12	24
8	Ph.D.	21	20	41
		112	110	222

PLAN FOR THE CURRENT ACADEMIC PERIOD

- To equip all the labs with sufficient equipment
- To furnish the classes and to develop good class rooms with ICT

DETAILS OF DEPARTMENTAL MEETING CONDUCTED WITH AGENDA

1. School Research Committee- 15.04.2016
2. Heads and Academic Consultants Meeting- 13.06.2016
3. School Governing Council- 07.07.2016
4. School Governing Council-13.07.2016
5. Faculty of Ocean Science and Technology 06.08.2016
6. School Governing Council 01.09.2016
7. School Governing Council 05.12.2016
8. Board of Studies Marine Biology 06.12.2016
9. Board of Studies Marine Microbiology 07.12.2016
10. Board of Studies Biotechnology 08.12.2016

11. Board of Studies Food Science and Technology 09.12.2016
12. Board of Studies Physical Oceanography 14.12.2016
13. Board of Studies Marine Chemistry 16.12.2016
14. Board of Studies Applied Geo Sciences 17.12.2016
15. School Research Committee 12.01.2017
16. School Governing Council 24.01.2017
17. School Governing Council 07.03.2017
18. Staff of SOST meeting 23.03.2017

ACADEMIC ACHIEVEMENT OF STUDENTS

1. Inspire Fellow: Miss Nimisha (M.Sc. Food Science and Technology first rank holder)
2. International trainee (1 student): Miss Parvathy (PhD Scholar, KUFOS)
At Thailand Chiang Mai University for 3 months

The 4th batch of MSc Food Science and Technology students underwent training in CIFT, Kochi from 1 May, 2017 to 16 May, 2017 for the preparation of value added products like cutlets, coated shrimp, squid rings etc. In addition, they were also trained in the preparation of chitin, chitosan and glucosamine hydrochloride. One student joined as Project fellow at National Institute of Oceanography (NIO), Goa

MSc Food science and Technology students Visited (1) Tata Tea factory, Munnar; Indian Cardamom Research Institute (ICRI), Myladumpara; Kurishumala Indo-Swiss Dairy Farm, Vagamon and Spice Park, Puttur (spices auctioning and pepper processing) as part of 3 days Industrial Study tour from 7-9 Nov, 2016 (2) Pavizham Rice plant, Perumbavoor on 21 March, 2017 (3) Meat Products of India, Koothattukulam 6 March, 2017, (4) India Sea Foods, Kannamali (processing of chitin, chitosan, shrimp protein) on 28 March, 2017 (6) Synthite Factory, Kadairappu, Kolencherry on 28Feb, 2017 (7) Food Tech Exhibition, Kerala (7th Edition) at Rajiv Gandhi Indoor stadium, Kochi on 14 Jan, 2017

CAPACITY BUILDING OF STAFF AND STUDENTS

Students of M.Sc. Applied Geosciences attended a National Seminar on Recent Trends in Geoscience organised by Centre for Geo technology, M. S University, Tirunelveli.

RESEARCH ACHIEVEMENTS AND PUBLICATIONS OF STAFF AND STUDENTS

1. N.Jayakumar, **V. K. Venkataramani**, T.Vaitheeswaran and P.Jawahar 2016 Biodiversity and Biology of ornamental wrasses (Family: Labridae) of Gulf of Mannar, South East Cost of India J.Mar.Biol.Ass India Vol 58 (2) July – December 2016.
2. Idreesbabu K.K. and **S. Sureshkumar** (2017) Distribution pattern and community structure of sea cucumbers (Class: Holothuroidea) in different biogeographic regions of the selected Islands of Lakshadweep Archipelago, India. Indian Journal of Geo Marine Sciences, Vol. 46 (3), March 2017, pp 569-575
3. Babitha P.P., Sahila M.M., Bandaru, S., Yadav, M., Nayarisseri, A. and **S Sureshkumar** (2017) Common SAR derived from linear and non-linear QSAR studies on AChE inhibitors used in the treatment of Alzheimer's disease.. *Current Neuropharmacology*. Current Neuropharmacology, 2017, 15, 1093-1099. Pubmed ID: 27964704
4. PV Jyothi and **S. Sureshkumar** (2016) Aquatic ornamental macrophytes in Kulewetalnds: an untapped resource for sustainable utilisation, Journal of Functional and Environmental Botany, 6(2) 79-83.
5. IdreesBabu KK and **Sureshkumar S** (2016) Survival and Growth of Transplanted Coral Fragments in Lagoons of Lakshadweep with notes on Fish Aggregation. International Journal of Applied and Pure Science and Agriculture (IJAPSA). 2(5) 19-25.

6. S. Praseetha, S.Bandaru, A.Nayariseri and **S Sureshkumar** (2016) Pharmacological Analysis of Vorinostat Analogues as Potential Anti-tumor Agents Targeting Human Histone Deacetylases: an Epigenetic Treatment Stratagem for Cancers. *Asian Pacific journal of cancer prevention: APJCP* 17(3):1571-1576
7. Idrees Babu K.K. and **S Sureshkumar** (2016) Status and changing trends of coral reefs in Lakshadweep archipelago after 1998 mass bleaching event - long term monitoring survey. *International Journal of Applied and Pure Science and Agriculture (IJAPSA)*. 2(4): 163-175
8. S. Praseetha, S.Bandaru, M.Yadav, A.Nayariseri and **S Sureshkumar** (2016) Common SAR Derived from Multiple QSAR Models on Vorinostat Derivatives Targeting HDACs in Tumor Treatment. *Current Pharmaceutical Design*, Volume 22 DOI: 10.2174/1381612822666160621094009
9. Mridula K. R., **Benny N. Peter**, Mohd Razali Mahmud (**2016**). High Resolution surface velocity field of Bay of Bengal derived by combining satellite altimetry and drifter observations. *Journal of Marine Science and Technology*, 24 (3), 656–668, DOI: 10.6119/JMST-015-1215-2 (**ISI Journal**)
10. V. Venugopal and **K. Gopakumar** (2017). Shellfish: Nutritive value, health benefits and consumer safety. *Comprehensive Reviews in Food Science and Safety*, USA; Vol. 16 (Institute of Food Technology, USA) pp. 1219-1240.
11. **K. Gopakumar** (2018). Biomolecules from plants and animals for human health. Summer Institute, CIFT, Kochi (under print).
12. Sreejalakshmi S.H. and **Preetham E.** (2017). Alzheimer's disease: Restless for new track counteragents. *BAOJ Alzheimer's and Neurological disorders – Review*. Accepted.
13. M.S. Mustafa *et al.* (2018). Protective efficacy of *Mucuna pruriens* (L) seed meal enriched diet on growth performance, innate immunity and disease resistance in *O. mossambicus* against *A. hydrophilia*. *Fish and Shellfish Immunology*, Elsevier xxx (2018): xxx-xxx. Department of Processing Technology (Biochemistry), KUFOS.

PLACEMENT CELL- M.SC. FOOD SCIENCE AND TECHNOLOGY

1. Export Inspection Council of India as one year trainees – 5 students
2. Sciegenome, Kochi/Chennai – 4 students
3. Innovative Foods, Kochi – 1 Student
4. Amalgam Foods, Kochi – 1 student
5. KUFOS (PhD Fellows/Contract Fellows) – 4 students
6. Foreign countries (Gulf) – 1 student

Five students of M.Sc. Biotechnology were placed in various industries after completing their M.Sc.degree. (SciGenome- 3 student; Amalgam Sea foods- 1 student; DDRC Ernakulam 1 student)



Students at Synthite Industries Ltd, Kadairappu,



Students at Food Tech Exhibition, Kochi



Students at India Sea Foods, Kannamalai

SCHOOL OF FISHERIES RESOURCE MANAGEMENT AND HARVEST TECHNOLOGY

STAFF STRENGTH

Professor	: Nil
Associate Professor	: One
Assistant professor	: Four
Adjunct faculty	: Nil
Contract/Guest faculty	: Nil

STUDENT STRENGTH

MFSc (I year)	: 6
MFSc (II year)	: 4
PhD	: Nil

PLAN FOR THE CURRENT ACADEMIC PERIOD

Strengthen the education sector by setting up of PG lab, procurement of equipment and setting up of museum

DETAILS OF DEPARTMENTAL MEETING CONDUCTED WITH AGENDA

Board of studies meeting conducted on 9.12.2016

Two Faculty meetings

CONFERENCE/SEMINAR/WORKSHOP/INVITED LECTURES ORGANIZED BY THE DEPARTMENT

Mahseer 2017: International Workshop on Mahseer Conservation. Mahseer Trust and the Kerala University of Fisheries and Ocean Studies (KUFOS), Hotel International, Kochi, India, 5th and 6th April 2017

2. ***Conservation Planning Workshop for Mahseer,*** Mahseer Trust and the Kerala University of Fisheries and Ocean Studies (KUFOS), Hotel International, Kochi, India, 4th April 2017.

ACADEMIC ACHIEVEMENTS OF FACULTY

Dr. S. Pramila

1. Co-Investigator of Centre for Bioactive substances from Marine Organisms (Plan Project)
2. Major Advisor of MFSc dissertation of Ms. Kiranya B, MFSc (FRM), 2015 Batch, KUFOS
3. Major Advisor of MSc dissertation of Ms. Aruna Thomas, MSc (Biotechnology and Biodiversity), 2015 Batch, KUFOS
4. Major Advisor of PhD student, Ms. Sruthy V.P. (OST-2016-50-20). Topic- Biodiversity and Bioprospecting of some mangrove patches in Cochin Back waters

Dr. Rajeev Raghavan

1. Nominated to the Membership of the **IUCN WCPA (World Commission on Protected Areas) Freshwater Specialist Group**
2. Nominated to the Membership of the **IUCN SSC Conservation Planning Specialist Group (CPSG)**
3. Nominated to the Membership of the **Global Freshwater Biodiversity Observation Network (FWBON)**
4. Nominated to the Organizing Committee – **26th Swadeshi Science Congress**, Kochi, India, November 7th to 9th 2016
5. Nominated to the Organizing Committee – **International Training Workshop on Taxonomy of Crustacea**, Thiruvananthapuram, India, 20th to 23rd September 2016

RESEARCH ACTIVITIES OF FACULTY

Dr. MK Sajeevan was served as the Principle Investigator - Centre for Indigenous knowledge of fisher folk looping traditional knowledge and science KUFOS 2016-2017 25 Lakhs

Shri Anvar Ali served as Principle Investigator Alikunjhi chair KUFOS 2016-17 Co PI 40 Lakhs

Dr. Rajeev Raghavan served as Principle Investigator Center for Taxonomy of aquatic animals KUFOS 2016-2017 25 Lakhs

Dr. MK Sajeevan served as Co Principle Investigator Alikunjhi chair KUFOS 2016-17 Co PI 40 Lakhs

ACADEMIC ACHIEVEMENT OF STUDENTS

Miss. Kitty Francis completed her research research on Finfish and shell fish bio-diversity of Kole wetlands under the guidance of Dr. MK Sajeevan

Miss. Chitra. M.C carried out research Study on Fishes of the family Trichiuridae occurring in India with special reference to *Tentoriceps cristsatus* under the guidance of Dr. MK Sajeevan

Mr. Arjunan. V.M carried out research on Systematic, Biology, Brood stock Management and Seed production of some native fishes of Western Ghats under the guidance of Dr. MK Sajeevan

Mrs. Vishnupriya. E.J carried out research on Studies on Gempylidae fishes of India with special reference to *Rexea prometheoides*, (Bleeker, 1856) under the guidance of Dr. MK Sajeevan

Miss. Bincy M Raj carried out research on Dynamics and magnitude of growth over fishery in Kerala under the guidance of Dr. MK Sajeevan

CAPACITY BUILDING OF STAFF AND STUDENTS

Dr. S. Pramila

Attended the hands on training programme on "Application of molecular markers in fisheries and aquaculture management" conducted by Rajiv Gandhi Centre for Aquaculture, Sirkazhi from 7th November 2016 to 11th November, 2016.

Dr. Anvar Ali

Participated in the International training workshop on 'Taxonomy of Crustacea' (ITWOTAC), University of Kerala, Thiruvananthapuram- 20-23, September, 2016.

Dr. MK Sajeevan

Attended training programme on Geomatics for coastal zone management 18-22 April 2016 ICMAM, KUFOS & NANSEN

Attended training programme on Linking rivers barrages and fish migration

21 May 2016 CERC & KUFOS

RESEARCH ACHIEVEMENTS AND PUBLICATIONS OF STAFF AND STUDENTS

Pramila S. (2017). Marine Plastics- Increasing risks and potential solutions. Fourth Indian Biodiversity Congress (IBC 2017) jointly organized by Centre for Innovation in Science and Social Action (CISSA) and Pondicherry University held at Pondicherry University during 10-12 march 2017. In: Book of Abstracts

Pramila S. (2017). Involvement of coral bleaching bacteria, *Vibrio mediterranei* in diseases of captive marine ornamental fish. UGC sponsored National seminar on Marine Ecosystem Health 2017 held from 16th – 17th March 2017 at the Dept. of Marine Biology, Microbiology and Biochemistry, Cochin University of science and Technology, Cochin. In: Book of Abstracts

Jayalakshmi K J, (2015) Seasonal distribution pattern of Lucifer (Luciferidae) in the Western Bay of Bengal, International Conference on Ocean Acidification Research, Organised by Department of Abstract book published

K.J.Jayalakshmi, P Sabu., C.R.Ashadevi and V.N.Sanjeevan 2015. Response of micro-mesozooplankton in the southwestern Bay of Bengal to a cyclonic eddy during winter monsoon 2005, *Environmental Monitoring and Assessment*, 2015 187 (1-18)

Vimal Kumar K.G; Jayalakshmi K.J, Padmakumar K.B, Anu Shaji, Anil Kumar Vijayan, Gupta G.V.M & Sudhakar M. (2015) Evidence on intra-seasonal variation of summer monsoon hydrobiology along the shelf waters of south east Arabian Sea. World Ocean Science Congress 2015. Abstract book published

Jayalakshmi K J, Vimalkumar K.G, Ashadevi C.R., Lathika Cicily Thomas, Honey U.K Pillai, Sree Renjima G., Sonal Salvi, Paidi Charan Kumar, Gupta G.V.M., Anil Kumar Vijayan, Sanjeevan V N and Sudhakar M. (2015) Observation on the heterogeneity of planktonic standing stock along the Southeastern Arabian Sea during coastal upwelling. World Ocean Science Congress 2015. Abstract book published

Sonal Salvi, Jayalakshmi K.J, Vimal kumar K.G, Gupta G V M and Sudhakar M. (2015) Variation in Mesozooplankton standing stock along the South Eastern Arabian Sea during summer monsoon and its pre and post transition periods. World Ocean Science Congress 2015. Abstract book published

Jayalakshmi K J, (2015) Seasonal distribution pattern of Lucifer (Luciferidae) in the Western Bay of Bengal, International Conference on Ocean Acidification Research, Organised by Department of Madurai Kamaraj University, held on 15th to 18th December 2015 at Rameswaram Abstract book published

Raghavan R, Philip S, Ali A, Katwate U, Dahanukar N. 2016. Fishery, biology, aquaculture and conservation of the Asian Sun Catfish, *Horabagrus brachysoma* (Günther). *Reviews in Fish Biology and Fisheries* **26**(2): 169–180.

Dahanukar N, **Raghavan R**, Ali A, Britz R. 2016. *Amblyceps accari*, a new species of torrent catfish (Teleostei: Amblycipitidae) from the Western Ghats of India. *Zootaxa* **4109**(2): 218–226.

A Kanagavel, S Parvathy, PO Nameer & **R Raghavan** (2016) Conservation implications of wildlife utilization by indigenous communities in the southern Western Ghats of India. *Asia Pacific Journal of Biodiversity* 9(3): 271–279.

SD Bower, AJ Danylchuk, **R Raghavan**, S Clark-Danylchuk, AC Pinder & SJ Cooke (2016) Rapid assessment to quantify injury, immediate mortality and the physiological responses of blue-finned mahseer (*Tor* sp.) to catch-and-release angling on the Cauvery River, India. *Fisheries Management and Ecology* 23(3-4): 208–217.

R Raghavan, S Das, PO Nameer, A Bijukumar & N Dahanukar (2016) Protected areas and imperilled endemic freshwater biodiversity in the Western Ghats Hotspot. *Aquatic Conservation: Marine and Freshwater Ecosystems* 26 (Suppl 1): 78–90.

P Kumkar, U Katwate, **R Raghavan** & N Dahanukar (2016) *Balitara chipkali*, a new species of stone loach from the

northern Western Ghats of India with a note on the distribution of *B. laticauda*. *Zootaxa* 4138(1): 155–170.

I Priyanka, **R Raghavan**, N Dahanukar, N Sood & S Molur (2016) All that is green does not conserve: green certification of aquarium fishes in India. *Current Science* 110: 2054–2056.

U Katwate, P Kumkar, S Jadhav, **R Raghavan** & N Dahanukar (2016) *Pethia sanjaymoluri*, a new species of barb (Teleostei: Cyprinidae) from northern Western Ghats, India. *Journal of Fish Biology* 88(5): 2027–2050.

R Raghavan, S Philip, A Ali, U Katwate & N Dahanukar (2016) Fishery, biology, aquaculture and conservation of the Asian Sun Catfish, *Horabagrus brachysoma* (Günther). *Reviews in Fish Biology and Fisheries* 26(2): 169–180.

N Dahanukar, **R Raghavan**, A Ali & R Britz (2016) *Amblyceps accari*, a new species of torrent catfish (Teleostei: Amblycipitidae) from the Western Ghats of India. *Zootaxa* 4109(2): 218–226.

N Gupta, S Bower, SJ Cooke, A Danylchuk & **R Raghavan** (2016) Practices and attitudes of Indian catch-and-release anglers: identifying opportunities for advancing the management of recreational fisheries. *Journal of Threatened Taxa* 8(4): 8659–8665.

N Gupta, A Kanagavel, P Dandekar, N Dahanukar, K Sivakumar, VB Mathur & **R Raghavan** (2016) *Gods fishes*: religion, culture and freshwater conservation in India. *Oryx* 50(2): 244–249.

SJ Cooke, ZS Hogan, PA Butcher, MJW Stokesbury, **R Raghavan**, AJ Gallagher, N Hammerschlag & AJ Danylchuk (2016) Angling for endangered fish: Conservation problem or conservation action? *Fish and Fisheries* 17: 249–265.

M. K. Sajeevan and **B. Madusoodana Kurup** (2016) Stock Assessment of cobia, *Rachycentron canadum* (Linnaeus, 1766) occurring in North West coast of India. *Indian Journal of Geo Marine Science* 45(3):378-387.

M. K. Sajeevan and **B. Madusoodana Kurup** (2016) Fecundity and spawning of cobia, *Rachycentron canadum* (Linnaeus, 1766) occurring in North West coast of India. *Indian Journal of Geo Marine Science* 45(8):933-936.

M. K. Sajeevan and **B. Madusoodana Kurup** (2016) Distribution and abundance of pelagic sting ray *Pteroplatytrygon violacea* (Bonaparte, 1832). *Indian Journal of Geo Marine Science* 45(12):1709-1713.

M. K. Sajeevan and **B. Madusoodana Kurup** (2016) Stomach content analysis of cobia, *Rachycentron canadum* (Linnaeus, 1766) occurring in North West coast of India. *Indian Journal of Geo Marine Science* 45(12):1631-1637

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BOOK PUBLISHED

SJ Cooke, VM Nguyen, JM Dettmers, R Arlinghaus, MC Quist, D Tweddle, OLF Weyl, **R Raghavan**, M Portocarrero-Aya, EA Cordoba & IG Cowx (2016) Sustainable inland fisheries - perspectives from the recreational, commercial, and subsistence sectors from around the globe, pp 467–505. In: G. Closs, M. Krkosek & J. Olden (eds) *Conservation of Freshwater Fish*. Cambridge University Press, United Kingdom. **Book Chapter**

ACADEMIC/RESEARCH/EXTENSION ACTIVITIES OF FACULTY OUTSIDE THE UNIVERSITY

Dr. S. Pramila

1. Participation and oral presentation in the Indian Biodiversity Congress (IBC 2017) jointly organized by Centre for Innovation in Science and Social Action (CISSA) and Pondicherry University held at Pondicherry University during 10-12 March 2017.
2. Participation and poster presentation in the UGC sponsored National seminar on Marine Ecosystem Health (MEH-2017) held from 16th – 17th March 2017 at the Dept. of Marine Biology, Microbiology and Biochemistry, Cochin University of science and Technology, Cochin.

3. Appointed as External examiner for the I semester examination of the PhD (Marine Science) of Cochin University of Science and Technology in the subject Microbiology and Biotechnology for student admitted in CMFRI.

Dr. Anvar Ali

1. Question paper setter for B.F.Sc. Nautical Sciences, Taxonomy of finfish and shellfish, Cochin University of Science and Technology

Dr. Rajeev Raghavan

1. Invited Lecture on freshwater fish taxonomy to the graduate and doctoral students of Fisheries Resource Management at the *Central Institute of Fisheries Education (CIFE)*, Mumbai, India, 17th, 18th and 19th November 2016.
2. Invited Lecture at the *International Seminar on Taxonomy of Crustacea*. Department of Aquatic Biology & Fisheries, University of Kerala, Thiruvananthapuram, India, 20th September 2016.
3. Invited Talk at the *Dialogue on Identifying Pathways to better management of Brahmaputra Basin*. International Rivers & Legal Initiative for Forest and Environment (LIFE), Guwahati, India, 26th to 28th January 2017
4. Invited Talk at the *International Conference on the Conservation of the Humpbacked Mahseer*. TATA Power, Lonavla, Maharashtra, India, 10th January 2017.
5. Appointed as **Member of the PhD Advisory Committee** of Ms. Sangeetha Nair, CIFE, Mumbai

Dr. MK Sajeevan

1. Served as Resource person in Staff training to State Fisheries Dept, at Dept. Fisheries Kadungalore June 2016
2. Served as Resource person Staff training to State Fisheries Dept, at Dept. Fisheries Kadungalore October 2016
3. Question paper setter for B.F.Sc. Nautical Sciences, Fleet Management and Harbour Engineering and Marine Capture Fisheries Cochin University of Science and Technology

MEETINGS ATTENDED BY FACULTY MEMBERS OUTSIDE THE UNIVERSITY

Dr. MK Sajeevan attended as Resource person Pandt. Karuppan anusmaranam 24 May 2016. Pandt. Karuppan Vicharavethi Kochi

DEPARTMENT OF AQUATIC ENVIRONMENT MANAGEMENT

STAFF STRENGTH

Professor	:	1
Associate Professor	:	1
Assistant professor	:	3
Adjunct faculty	:	NIL
Contract/Guest faculty	:	NIL

STUDENT STRENGTH

MFSc (I year)	:	6
MFSc (II year)	:	5
PhD	:	NIL

PLAN FOR THE CURRENT ACADEMIC PERIOD

To promote quality education in Fishery Hydrography (UG & PG)

To impart the contemporary research in long-term monitoring of aquatic ecosystems, aquatic biodiversity assessment and management, aquatic pollution, environmental biotechnology, integrated coastal zone management etc.

CONFERENCE/SEMINAR/WORKSHOP/INVITED LECTURES ORGANIZED BY THE DEPARTMENT

Dr. Anu Gopinath delivered an invited talk as part of the International Ozone Day Oration at Morning Star Home Science College, Ankamaly on 26.09.2016.

ACADEMIC ACHIEVEMENTS OF FACULTY

Dr. M.P. Prabhakaran received a KUFOS Aided Research Project (KARP) on the topic “Cataloguing and assessment of marine macro-algal resources of Kerala Coast”.

Dr. SM Raffi received a KUFOS Aided research Project (KARP) on the topic “Developing Indigenous Real Time Environmental Monitoring system for Intensive Aquaculture”

Dr. Anu Gopinath received an Externally Aided Research project funded by KSCSTE on the topic Role of Mycosporine amino acids in preventing in Coral Bleaching- for Rs. 13.7 lakhs.

ACADEMIC ACHIEVEMENT OF STUDENTS

Ms. Suchismitha Saha, MFSc student of the department cleared the ICAR-NET examination in the subject Fisheries Resource Management.

CAPACITY BUILDING OF STAFF AND STUDENTS

Dr. Ranjeet K attended the National Service Scheme Orientation Course for Programme Officers at Rajagiri College of Social Sciences, Kalamassery from 9th to 15th February 2017.

Dr. SM Raffi attended a National Workshop on “Mudbanks of Kerala: Status, Issues & Social concerns” conducted by NIO, Kochi on 10-11 February, 2017.

Dr. SM Raffi attended a “Training programme on Appraisal, Monitoring & Evaluation of Fisheries Project” conducted by National Fisheries Development Board (NFDB), Hyderabad from 25th -29th April, 2016

RESEARCH ACHIEVEMENTS AND PUBLICATIONS OF STAFF AND STUDENTS

1. **Dr. M.P. Prabhakaran** published a book chapter: Ajas Miraj, C.H., Prabhakaran M.P., Albin K. Jose and Ajin M., 2016. Spatio-temporal variations in species composition and abundance of Rhodophyceae along south Kerala Coast. In: Marine Biodiversity and bio-prospecting for sustainable livelihood. ISBN No. 978-93-80095-85-1. pp: 1-8.
2. Baiju, P.T., F.G. Benno Pereira, V. Jayaprakas and **M.P. Prabhakaran**, 2016. Biodiversity associated with mussel fishery at Vizhinjam-Arabian sea, South Kerala. *Journal of Biodiversity and Environmental Sciences* 9(3): 73-89.
3. Baiju, P.T., **Prabhakaran, M.P.**, Benno Pereira, F.G. and Jayaprakas, V., 2016. Rocky reef-associated fish diversity of South Kerala coast, India. *Journal of Aquatic Biology & Fisheries*, 4: 31-44.
4. Suresh, T.V. and **S.M. Raffi**, 2016. Occurrence of pelagic sting ray *Pteroplatytrygon violacea* (Bonaparte, 1832) in the inshore waters of Parangipettai, Southeast coast of India. *Indian Journal of Geo-Marine Sciences* 45 (11): 1610-1613.
5. Viswanathan, C., M. Pravinkumar, T.V. Suresh, V. Elumalai, and **S.M. Raffi**, 2016. Carapace width-weight relationship, age, growth and longevity of the mud crab *Scylla olivacea* (Herbst, 1796) in the Pichavaram mangroves, south-east India. *Journal of the Marine Biological Association of the United Kingdom* 96(7): 1379–1386.
6. Princy, KF., Sarasan Manomi, Rosamma Philip and **Anu Gopinath** (2016). Antibacterial and Catalytic Efficacy of Biosynthesized Silver Nanoparticles Using Marine Seaweed *Padina tetrasromatica*. *Nano Biomed Eng.* 8(1): 16-23.
7. **Ranjeet K.**, Muhsina C. and P.V.P Shahul Hameed (2016). Community structure of macrobenthos in Ponnani estuary, South India with reference to occurrence of invasive alien species. *International Journal of Aquatic Biology*, 4(4): 269-276.

ACADEMIC/RESEARCH/EXTENSION ACTIVITIES OF FACULTY OUTSIDE THE UNIVERSITY

Dr. Ranjeet K was chosen as the NSS Programme Officer for leading the NSS National Integration Camp at PG Centre Nandihalli of Vijayanagara Sri Krishnadevaraya University, Ballari, Karnataka from 4th to 10th March 2017

MEETINGS ATTENDED BY FACULTY MEMBERS OUTSIDE THE UNIVERSITY

Dr. SM Raffi attended the UNU/UNESCO International training course on “Biodiversity in Mangrove Ecosystems” conducted at CAS n Marine Biology, Annamalai University, on 8th November, 2016

Dr. SM Raffi attended the National Seminar on “Aquaculture: Problems & Prospects” conducted at the Dept. of Marine Sciences, Alagappa University on 15.05.2016.

SCHOOL OF OCEAN ENGG.& UNDER WATER TECHNOLOGY

STAFF STRENGTH

Dr.Sajeevan M K , Assoc . Prof.,Director(i/c)

Dr.K V Thomas , Adjunct Faculty

Dr.Sivadas T K, Adjunct Faculty

Dr.Benny N Peter, Adjunct Professor

Dr. Venkatramani, Adjunct Professor

Er.Pooja Prasenana,

(On Contract)

Dr.Rajendran.S, Adjunct Professor

Ms.Pooja prasenana, Asst.Prof (On Contract)

Mr.Srinidhi Sridhar, Asst.Prof (On Contract)

Mr.Arun Kumar ,Asst.Prof(On contract)

Mr.Albert John(On Contract)

GUEST FACULTIES

Ms.Shabanani

Ms.Suhani

Ms.Sherin A

Mr.George basu

Ms.Sherin

Elizabeth & Ms.Meera mol T.S

STUDENT STRENGTH

M Tech (Coastal & Harbour Engineering)

7 out of 10 seats

PLAN FOR THE CURRENT ACADEMIC PERIOD

- Setting up of Marine Instrumentation lab. Out of three quotes received Emcom pvt. Ltd, Kochi was selected. List of main equipments are Data logger 12 channel, Tide, Conductivity, salinity, Temperature Recorder, Ocean current meter, remote silt meter, automatic sedimentation analyzer, remote sediment monitor, Underwater transparency meter
- Additional Purchase of DSO,GPS,GSM Modem carried out for M Tech fisheries Engineering for Marine Electronics lab
- Reference Books for students & Faculty
- 2015 Batch students Internship at INCOIS,Hyderabad,NIOT Chennai,NIO Goa, ,Harbour Engg. Dept.Quilon, SEZ TVM,CIFT Kochi etc.

DETAILS OF DEPARTMENTAL MEETING CONDUCTED WITH AGENDA

- Meeting conducted with agenda & Dates
- Budget utilization, & Calendar preparation, Admission Interview, *PhD* Entrance Examination, subject allotments to staff members reg(26/3/16)

- Meeting of the Research Committee of the School of Ocean Engineering and Under water Technology With the agenda of PhD Entrance examination reg
- (20.05.2016)
- Expert committee meeting for finalizing the purchase of equipments for marine Instrumentation lab on (2/6/16)
- Arrangements of internship for M Tech students, Guest lecture ,Ref books for this semester subjects reg (23/6/16)
- Planning the guest lecture, Internal assessments, Industrial Visit (24/7/16)
- Conducting project abstract presentation reg (3/1/17)

CONFERENCE/SEMINAR/WORKSHOP/INVITED LECTURES ORGANIZED BY THE DEPARTMENT

- Our UnivOrganized International conference on **sustainable Blue economy** on Feb5 th& 6th 2016in association with Nansen Environmental & remote sensing centre Bergen Norway. Conference was organized with 3 plenary sessions, 7 technical sessions & Tech. exhibition.
- A Guest lecture on the topic “Underwater sensors” on 17/8/17 by *Dr. T. K. Sivadas, Scientist (Retd), CIFT, Kochi*
- A Guest lecture on the topic” Significance of Wave Hydrodynamics” Dr.K.V.Thomas 16/10/17
- A Guest lecture on the topic“Evaluation of coastal sea level offshore –study) by Dr. Benny Peter Director of Ocean science(retd), Academic coordinator KUFOS

ACADEMIC ACHIEVEMENTS OF FACULTY

- Dr.T.K.Sivadas Gave a series of lectures on Water resources and Observational Techniques to professional engineers of different departments all over the country
- Er.Albert John 179 th rank in all India Civil service examination (He scored this rank out of 51 Keralites) Felicitation organized by KUFOS

ACADEMIC ACHIEVEMENT OF STUDENTS

- Paul T summer research fellowship prog during 7/7/2017 organised by INCOIS, Hyderabad jointly approved IASO Bangalore, INSA NewDelhi,& NASI Alahabad.
- Athul Krishnan training prog Geomatics for Coastal zone management organized by NANSEN India in association with KUFOS April 18-22nd 2016

Sl.No.	Name of Student	Project Topic	Research Centers dissertation carried out
1	M Sahal K H OET-2015-25-01	Automation Of Sluice Gate	KITCO, Kochi
2	Paul T A OET-2015-25-02	Effects Of Structure On Indian Coast	Sanctuary Beach Pte Ltd
3	Amrutha Joachim OET-2015-25-03	Automation Of Sensors And Instrumentation Systems For Applications In Aquaculture	EMCON, Kochi
4	Prabeesh Kumar M V OET-2015-33-02	Evaluation and Comparison of Warp Tension In Trawl Nets Made Of Different Materials	CIFT, Kochi
5	Sreejith S Kumar OET-2015-33-03	Study Of Fuel Consumption Of Fishing Vessels In Longlining& Gillnetting	CIFT, Kochi

6	Anoop V M Kumar OET-2015-32-01	Study On Shoreline Changes In The Eraviputhenthurai Beach, Kanyakumari Coast, TN	NANSEN, Kochi
7	Vishnu S H OET-2015-32-03	Morphological Characteristics Of A High Energy Coast-Case Study Of Adimalathura-Shankumugham Sector of Trivandrum, SW Coast Of India.	NCESS, Trivandrum
8	Athul Krishna K R OET-2015-31-01	Siltation And Tranquility Studies For A Harbour Breakwater	NIOT, Chennai
9	Jiya George OET-2015-31-04	Comparison Of Measured and Modelled Nearshore Wave Parameters And Long-shore Currents	CSIR-NIO, GOA
10	MRIDULA G M OET-2015-31-05	Numerical Modelling Of Hydrodynamics And Sediment Transport Along Sinkerim-Baga Beach Stretch, Goa	CSIR-NIO, GOA
11	Nighil Aravind OET-2015-31-06	Development of Punappara Fishing Loading Center.	Harbour Engg. Dept, Govt. of Kerala
12	Rahul R G OET-2015-31-07	Study Of Oil Spill Movement & Weathering Analysis Based On Numerical Model On West Coast Of India.	CSIR-NIO, GOA
13	Rakesh P R OET-2015-31-08	Tidal Response And Its Effects On Ashtamudi Estuary.	Harbour Engg. Dept, Govt. of Kerala
14	Sreelakshmi S OET-2015-31-09	Wave Transmission Studies Over Segmented Submerged Breakwater	NIOT, Chennai
15	TOMELIAS OET 2015 31-10	Analysis Of Berthing Structures Using Plaxis	NIOT, Chennai

RESEARCH ACHIEVEMENTS AND PUBLICATIONS OF STAFF AND STUDENTS

- Pooja Prasanen¹, Suriyakala.C.D² Intelligent Underwater Image Processing using Ontology International conference on sustainable Blue economy on Feb 5th & 6th 2016
- Noujas V, Thomas K V and Ajeesh N R, 2017. Shoreline management plan for a protected but eroding coast along the southwest coast of India, International Journal of Sediment Research, <http://dx.doi.org/10.1016/j.ijsrc.2017.02.004>, (accepted on 16 February 2017)

PHD REGISTRATION

·3 (Sree Lakshmi S (IIT Kharagpur) Tom Alias & Athul Krishna (NIT Surathkal) MTECH (2015-17)

Tom Elias: *Applied Mechanics & Hydraulics* under Category *CC / Pt Sch*

Athul Krishna: *Applied Mechanics & Hydraulics* under Category *CC / Pt Sch*

Sreelakshmi S

The Department/Centre/School of Ocean Engg and Naval Architecture of the Institute

RESEARCH ASSISTANT

Ms.Mridhula (IIT Chennai) MTECH (2015-17)

Department of Ocean Engg. JRF, Topic: Nonlinear Interaction between extreme waves & floating bodies with deformed structure under the guidance of Dr.Sriram V

ACADEMIC/RESEARCH/EXTENSION ACTIVITIES OF FACULTY OUTSIDE THE UNIVERSITY

Industrial visit to Harbour Engineering Department, Kollam



MEETINGS ATTENDED BY FACULTY MEMBERS OUTSIDE THE UNIVERSITY

- Ms.Pooja Prasenana Attended a workshop of 3 days on “Plagarism in Scientific articles” March 2017
- Ms.Pooja Prasenana Attended a workshop of 3 days on “ Mat Lab for Underwater Communication” at adishankara Institute of Technology Jan 2017
- Ms.Pooja Prasenana Attended a workshop of 3 days on “R using MatLab” at SNGCE, Kolencherry Dec 2016

UTILIZATION OF FUND FOR THE CURRENT MONTH (CUMULATIVE DETAILS)

Sanctioned amount for the school : 58 L

Utilization from the school : 24.26L

Head	Amount sanctioned (2017-18)	Utilization	Particulars	Balance left
107OHE-25-1003-299	10000.00	18133.00	Stationery, ID Cards,	
107OHE-25-1003-302	100000.00	10000.00	Advance to Shri Sarath Prasanth S.V	90000.00
107OHE-25-1003-700	0.00	46368.00	Lab Equipments	

ACADEMIC WORK REPORT 2016-2017

Academic Calendar of various PG and UG programmes was prepared and implemented . The same is furnished below.

ACADEMIC CALENDAR FOR 2016 Batch PG PROGRAMMES

	2016 BatchSemester I	2016 BatchSemester II	2016 BatchSemester III	2016 BatchSemester IV
1 Reopening/commencement of classes	27.06.2016	03.01.2017	28.06.2017	01.01.2018
2 Last date of registration for the course (without fine)	04.07.2016	10.01.2017	05.07.2017	08.01.2018
3 Last date of registration for the course (with fine)	12.07.2016	17.01.2017	12.07.2017	15.01.2018
4 Last date of receipt of proposals for examination from Depts/ Schools along with syllabus, model QP, panel of setters/examiners with address, phone no., e-mail address and proposed time table without any change in the date of commencement of examination	27.07.2016	31.03.2017	31.07.2017	31.01.2018
5 Date and time of exam notification	27.08.2016	01.02.2017	01.08.2017	01.02.2018
6 Last date of receipt of filled up applications, forwarded by HOD	27.09.2016	28.02.2017	31.08.2017	28.02.2018
7 Submission of attendance statement and continuous evaluation marks	08.12.2016	07.06.2017	06.12.2017	06.06.2018
8 Issue of nominal roll and hall tickets	09.12.2016	09.06.2017	08.12.2017	08.06.2018
9 Commencement of exams/ submission of dissertation	13.12.2016	12.06.2017	11.12.2017	11.06.2018
10 End of the semester	24.12.2016	26.06.2017	27.12.2017	25.06.2018
11 Tentative date of publication of results	24.02.2017	31.08.2017	28.02.2018	25.08.2018

ACADEMIC CALENDAR FOR 2016 Batch B.F.Sc. PROGRAMME

Sl.No.	Events	2016 Batch Semester III	2016 Batch Semester IV	2016 Batch Semester V	2016 Batch Semester VI	2016 Batch Semester VII	2016 Batch Semester VIII
1	Reopening/commencement of classes	07.09.2017	14.02.2018	25.07.2018	11.01.2019	01.06.2019	02.12.2019
2	Last date of registration for the course (without fine)	14.09.2017	21.02.2018	31.07.2018	18.01.2019	10.06.2019	09.12.2019
3	Last date of registration for the course (with fine)	21.09.2017	28.02.2018	07.08.2018	25.01.2019	17.06.2019	16.12.2019
4	Last date of receipt of proposals for examination from Depts/ Schools along with syllabus, model QP, panel of setters/ examiners with address, phone no., e-mail address and proposed time table without any change in the date of commencement of examination	15.10.2017	30.03.2018	31.08.2018	31.12.2018	01.08.2019	31.12.2019
5	Date and time of exam notification	20.10.2017	02.04.2018	01.09.2018	01.01.2019	02.08.2019	01.01.2020
6	Last date of receipt of filled up applications	08.11.2017	30.04.2018	29.09.2018	31.01.2019	31.08.2019	31.01.2020
7	Commencement of Mid-term Examinations (Tentative)	07.12.2017	16.04.2018	24.09.2018	13.03.2019	—	—
8	Commencement of Practical Examinations (Tentative)	15.01.2018	18.06.2018	12.12.2018	25.05.2019	—	—
9	Submission of attendance statement and continuous evaluation marks	24.01.2018	02.07.2018	21.12.2018	06.05.2019	27.09.2019	24.04.2020
10	Issue of nominal roll and hall tickets	25.01.2018	03.07.2018	22.12.2018	07.05.2019	28.09.2019	25.03.2020
11	Commencement of exams/ submission of dissertation	27.01.2018	04.07.2018	24.12.2018	08.05.2019	01.10.2019	26.03.2020
12	End of semester	12.02.2018	23.07.2018	10.01.2019	30.05.2019	31.10.2019	20.04.2020
13	Tentative date of publication of results	30.03.2018	31.08.2018	10.03.2019	24.05.2019	15.11.2019	15.05.2020

CONVOCATION

The third convocation ceremony of KUFOS was held on 18.02.2017 at KUFOS Headquarters. Hon. Governor of Kerala Justice (Rtd) P.Sathasivam conferred degrees to a total number of 164 candidates in the ceremony.



The course wise split up of the number of students conferred degree during the convocation ceremony is as follows.

Sl.No.	Name of the Course	Number of students
1	Ph.D. (Faculty of Fisheries)	1
2	B.FSc.	51
3	M.FSc. (Fish Nutrition and Feed Technology)	3
4	M.FSc. (Aquatic Animal Health Management)	1
5	M.FSc. (Fisheries Resource Management)	3
6	M.FSc. (Aquatic Environment Management)	3
7	M.FSc. (Fish Processing Technology)	4
8	M.FSc. (Fisheries Engineering Technology)	1
9	M.FSc. (Aquaculture)	4
10	M.Sc.(Physical Oceanography and Ocean Modelling)	6
11	M.Sc., (Biological Oceanography and Biodiversity)	19
12	M.Sc. (Applied Geo Sciences)	4
13	M.Sc. (Food Science & Technology)	14
14	M.Sc. (Marine Microbiology and Marine Drugs)	11
15	M.Sc. (Biotechnology and Bioinformatics)	4
16	M.Sc. (Disaster Management)	4
17	M.Sc. (Statistics)	2
19	M.Sc. (Remote Sensing & GIS)	4
20	M.Tech. (Integrated Coastal Zone Management)	6
21	M.B.A.	17
22	LL.M (Maritime Law)	2
GRAND TOTAL		164

EXTENSION

Directorate of Extension established under the Kerala University of Fisheries and Ocean Studies (KUFOS) promotes the development of fisheries sector by way of providing necessary information, imparting training and other extension support continuously to the fisher folk and fish farmers. In addition to the dissemination of innovations in the field of aquaculture and allied fields it also helps to identify the problems of the farmers and offer solutions at the right time. The field level trainings, demonstrations and awareness camps organizing at various centers will help the farmers to increase their level of knowledge, developing skill and changing their attitude which in turn contributes improvement in their quality of life. The Directorate of Extension has projects and programmes aimed at empowerment of women through income generating activities by way of providing self employment and motivating them in taking up gainful employment, thus ensuring gender equality in all aspects of life. In addition to these, the scientists working in the various departments of the Faculty of Fisheries acts as resource persons for various training programmes organized by State and Central Govt. institutions, NGOs etc., providing Radio talks, publishing popular articles as part of the transfer of technology process.



Inauguration of the Harithatheeram Exhibition by Sri.P.J.Kurian, Deputy Speaker of Rajyasabha.

PROJECTS IMPLEMENTED BY DIRECTORATE OF EXTENSION IS IMPLEMENTING THE FOLLOWING PROJECTS

1. Village adoption for empowerment and capacity building ensuring livelihood of fisherfolk in central Kerala.
2. Farm Advisory Services for Fisheries
3. Fisheries Technical and Portal Unit
4. Establishment of Farm Radio Station for hastening fisheries development in the State.
5. Earn While you learn
6. Exhibition Unit with minibus for Field consultancy/lab to land service
7. Center for field consultancy and Data analysis
8. Maintenance of Museum
9. Modernization and Upgradation of Instructional field training facility
10. Cage culture at RMP canal
11. Model Fish processing plant and training center

Exhibitions conducted/ participated during the year 2016-17

- | | |
|--|--------------------------|
| 1. Exhibition organized by INFARM Karshikamela 2016 at Muvattupuzha | 2/4/16 to 17/4/16 |
| 2. Harithatheeram coastal agricultural summit organized by Alleppy Diocean Charitable and welfare society at Mararikulam | 27/12/2016 to 29/12/2016 |
| 3. National Exhibition on Science & Technology as part of the Kerala Science congress at Mar Thoma College Thiruvalla | 26/1/2017 to 30/1/2017 |

4. Talks conducted: As part of Empowering Youth in Agriculture Programme and on request of All India Agricultural students Association (AIASA) Kerala, a guest lecture and interactive session on “Career opportunities and Techno administrative reforms in Agriculture and role of AIASA” was organized on 20/4/2016.

5. Workshop/symposia/seminars conducted : An interactive co learning workshop on “Philosophy Methods and Ethics in Science” was organized at Kerala University of Fisheries and Ocean Studies (KUFOS) from 15th to 17th December 2016. The main objective of the programme was to develop the capacity among the young researchers to undertake meaningful research, adhering to the best practices of the scientific community and beneficial to the country.



6. Hon'ble Vice Chancellor of KUFOS, Dr.A Ramachandran inaugurating the three day interactive co learning workshop on “Philosophy Methods and Ethics in Science” organized at KUFOS, Panangad from 15/12/2016 to 17/12/2016

7. As part of the Malayala Manorama “Nallpadam” a Training programme on Freshwater Fish Farming and Ornamental Fish culture was organized at Govt.L P school, Neerampuzha, Vazhakkulam on 23/12/2016 with the objective of encouraging fish culture and to make aware of the parents about the importance of fish farming.

8. Other extension activities:

1. Visited the mussel farms at Payyannore and Kasaradod on 22/4/2016 where severe mortality of mussels occurred, gathered technical information from the stake holders, examined the area, collected water samples analyzed and reasons for the mass mortality of mussels was reported to the University.

2. As directed by the Govt. of Kerala “Malayaladinam” was celebrated on Nov.1st - 2016, Nov 1 to 7th as “Bharanabhashavaram” and Nov 1st 2016 to October 31st 2017 as “Bhranabhashavarsham”

9. As directed by the ICAR to commemorate the Birth day of the first Union Minister of Agriculture of India in 1946 and the first president of India, BharathaRatna, Dr. Rajendra Prasa “Agricultural Education Day” was celebrated by arranging an open house, interaction with scientist etc. on 3rd December 2016.

10. As per the direction of the Ministry of Agriculture and Farmers Welfare, Krishibhavan, New Delhi “Jai Kissan Jai Vigyan” week was celebrated from 23rd – 29th December on the birth anniversary of Shri. Atal Bihari Vajpayee and Late Shri Chaudhary Charan Singh, the two former Prime Ministers of India by conducting exhibitions, open day and essay writing competitions to students.



Views of Open House



11. Matribhasha Diwas -As directed by the UGC, to promote the dissemination of mother tongues and fuller awareness of linguistic and cultural traditions “ MatribhashaDiwas” was celebrated at Kerala University of Fisheries and Ocean Studies (KUFOS) on 23/2/2017. An inaugural function was organized in the beginning followed by competitions on elocution and recitation in two Indian languages viz. Malayalam and Hindi.

12. As directed by UGC, National science Day was organized on 28th February 2017 and a talk on “Science and Technology for specially abled persons” was delivered by Smt. Nitya Gopalakrishnan to the staff, students of KUFOS

13. Participation in meetings/conference/ seminars etc.

1. Participated in the NFDB sponsored five day training programme on “Preparation, Appraisal, Monitoring & Evaluation of Fisheries projects conducted at Hyderabad from 15-29 April 2016

2. Participated in the State Level Unit Cost Committee (SLUCC) Meeting organized by NABARD on 20/7/2016 for discussing and finalizing the unit costs for various investments under farm sector for the year 2016-17

3. As a member of the Governing body of the State Fisheries Resource Management Society (FIRMA) attended the XIXth Governing body meeting organized in the Minister's chamber at Thiruvananthapuram on 7/9/2016.

4. Participated in the international conference on “Science and Technology for National Development” organized by the Indian Science Congress Association cochin chapter on 25th and 26th October 2016.

5. Participated in the Interactive co-learning workshop on “Philosophy, Methods and Ethics in science” held at KUFOS from 15th to 17th December 2016

6. Participated in the discussion meeting organized by NABARD on 5th January 2017 for doubling the income of farmers by 2022.

7. Participated in the Krishi Darshan advisory committee meeting to plan the contents of the Agricultural programmes telecast by Doordarsan at Doordarsan Kendra, Thiruvananthapuram on 6th January-2017

14. Resources generated

Engaged classes to the farmers on the topic Initiatives of KUFOS in augmenting Rural aquaculture in the one day seminar on “Promotion of Rural aquaculture for improving the protein security and livelihood in India with special reference to Kerala on 4th July 2016 at KUFOS.

Engaged classes to the farmers on the topic “Cage farming of high value fishes” in the seminar on “Aquaculture in Kerala-Trends and Opportunities” organized as part of the Fish Farmers day celebrations on 12th July 2016 at KUFOS.

Engaged one session on the topic, “Fresh water fish farming” in the Training programme on Freshwater Fish Farming and Ornamental Fish culture organized by Malayala Manorama as part of their programme “Nallapadam” at Govt. L P school, Neerampuzha, Vazhakkulam on 23/12/2016 with the objective of encouraging fish culture and to make aware of the parents about the importance of fish farming.

Engaged one session on the topic “Organic fish farming” to the farmers in the seminar on

India-International Food and Agri-Aqua expo 2017 organized by Foundation for Organic Agriculture and Rural development, aluva at Gold Souk, Vyttila on 25/3/2017.

15. Plan Project-Village Adoption for Empowerment and Capacity Building Ensuring Livelihood of Fisherfolk in Central Kerala”

As part of the above project University has started a trial culture cum demonstration unit at Thiruthipuram,N.Parur to test the scope of culture of seabass as a candidate species for pen culture. Successful conduct of this trial culture will help to standardize the technology of pen culture of seabass and developing a package of practices which can be transferred to further areas for increasing fish production of the State.

16. Trial culture cum demonstration unit started at Thuruthipuram on 23.2.2017 for testing the possibility of pen culture of sea bass (Latescalcarifer)



17. For promoting culture of pearlspot scarcity of Seeds of pearlspot acts as major constraint in conducting the demonstration and extending the technology to more areas .As a solution to this problem the university has started a rearing unit at Thekkumbhagam,Tripunithura.
18. Rearing units started at Thekkumbhagam,Tripunithura

KUFOS LIBRARY

STAFF STRENGTH

1.	Assistant Librarian	: Kunjumuhammed V S
2.	Reference Officer Hr. Gr.	: P V Vijayalakshmi
3.	Reference Officer	: Dr. Ramya Raveendran
4.	Office Attendant	: Arun K J
5.	Lab. Asst (Photocopy)	: Rajamma K R

PLAN FOR THE CURRENT ACADEMIC PERIOD

Total number of books added in the library	: 351
Total number of project reports added in the library	: 50
Total number of thesis added in the library	: 21
Total number of thesis added in the library	: 1

DETAILS OF DEPARTMENTAL MEETING CONDUCTED WITH AGENDA

Periodical Staff meetings held to improve the services of Library

CONFERENCE/SEMINAR/WORKSHOP/INVITED LECTURES ORGANIZED BY THE DEPARTMENT

Content Management using Joomla - workshop conducted on 5th October 2016 to 7th October 2016.

UTILIZATION OF FUND FOR THE CURRENT MONTH (CUMULATIVE DETAILS)

Head	Amount sanctioned (2016-17)	Utilization	Particulars	Balance left
Plan Fund	20 Lacks	100%	1.Book purchase	0

LIBRARY & INFORMATION SERVICES

1. KUFOS Digital Library - KUFOS Institutional Repository named 'MEENAM' is now available through internet. It is the Digital Repository of KUFOS in D-space through KUFOS LAN.
2. ASFA (Online Fisheries Database)
 "ASFA" is an acronym for Aquatic Sciences and Fisheries Abstracts., the premier abstracting & indexing database in aquatic sciences. More than 5,000 Serial publications, books, reports, conference proceedings, translations and limited distribution literature in English and other 40 languages around the world, are selected for abstracting and indexing in ASFA. It is available through KUFOS LAN on IP authenticated basis.
3. MANUPATRA COURTS & TRIBUNALS
 Manupatra, pioneer in online legal research in India since 2001, is India's premier legal information resource. It is the largest content aggregator of Indian and International material, linking primary information, secondary

material and proprietary analytical content. KUFOS is very proud of joining hand with this online legal database. It is IP authenticated with user name and password.

4. J-GATE

J-Gate is the largest E-Journal Gateway. J-Gate @ Consortia acts as a search platform plus resource sharing facility for the members of the consortium. J-Gate covers almost all subjects including Social and Management Sciences (23,494 online journals). Socio-Economic statistical information about Agriculture in India ie; India Agristat is another customized service through J-Gate. This too has user name and password.

5. WORLD E-BOOKS LIBRARY COLLECTION

World e-book library collection ensures unlimited access to more than 33,00,000 books and academic articles. It is also IP authenticated.

6. Astral eBooks

All library users can access Astral eBooks and can keep the copy of the book as their own by downloading the same.

7. DELNET (Developing Library Network)

DELNET is the major Digital Library Resource in South Asia established with the prime objective of promoting resource sharing among the libraries through the development of a network of libraries.

8. KRISHIKOSH - THESIS DATABASE

Krishikosh is an Institutional Repository of Indian National Agricultural Research System. It is available at KUFOS online.

9. CeRA (Online Journal Service of ICAR)

The prestigious Online Journal service of ICAR CeRA (Consortium for e-Resources in Agriculture) is available to KUFOS community through KUFOS LAN (IP address basis). Around 2896 Foreign and Indian Journals are available with full text, and document delivery service of member library collection is also available through KUFOS Library.

10. CONTENT PAGE SERVICE (CPS) ICAR

Contents page service on Fisheries and Allied Sciences is available to KUFOS Community from CIFE, Mumbai. We are receiving the content pages of all subscribed journals of CIFE, periodically. The original articles will be delivered as per demand and request.

FINANCE

ABSTRACT OF ACCOUNTS FOR THE FINANCIAL YEAR ENDED 31-03-2017

Receipts	Schedule	Amount As on 31-3-2017	Amount As on 31-3-2016	Payments	Schedule	Amount As on 31-3-2017	Amount As on 31-3-2016
Opening balance	I	17,48,98,880	10,74,77,302	Plan Expenditure	X	19,39,53,075	13,31,88,360
Receipts from Govt. of Kerala	II	43,57,09,000	32,74,76,000	Non-Plan expenditure	X	13,30,24,131	15,22,14,633
Receipts from External Aided Projects (EAP)	III	1,18,83,113	1,20,29,228	Payments from Internal revenue	XI	31,81,069	33,33,061
Internal receipts	IV	2,80,56,812	3,14,34,743	Debt head	XII	1,54,52,393	90,19,154
Other misc. receipts	V	3,85,488 1,87,500	1,36,304	Pension related payments	XIII	0	0
Bank interest received	VI	76,42,922	30,52,731	GPF closure & withdrawal	XIV	1,19,52,034	2,45,67,116
Receipt from ICAR including refund	VII	1,039 1,87,000	1,74,91,500	ICAR Expenditure	VII	0	1,89,30,058
Debt head-pension	XIII	3,50,345	1,96,705	Debt head-pension	XIII	1,96,705	79,100 29,770
Puduvype debt head & refund	VIII	8,68,008 5000 16,000	13,22,153	EAP expenditure	XV	82,03,554	44,65,523
Debt head and refund	IX	2,41,40,991	2,01,08,989	Closing balance	XVI	31,83,89,137	17,48,98,880
School refund		20,000					
TOTAL		68,43,52,098	52,07,25,655			68,43,52,098	52,07,25,655

BANK RECONCILIATION STATEMENT IN RESPECT OF A/C No.67167440116**FOR THE YEAR 2016-17**

Particulars		Amount in Rupees
Opening balance as per office A/c as on 1-4-2016		11,16,50,040
Add:		
1. Receipt from Treasury Savings Bank A/c	43,57,09,000	
2. Receipt from External Aided Projects	1,14,83,113	
3. Miscellaneous credit etc	3,85,488	
4. Transfer from pension a/c	14,10,930	
5. Bank interest	41,50,263	
6. Transfer from Internal Receipt A/c	38,73,599	
7. Transfer from ICAR DG (RAWE)	1,87,500	
8. Refund from KSCADC	61,02,802	46,33,02,695
TOTAL		57,49,52,735
Less:		
1. Total withdrawals during the year 2015-16 (Statement I attached)		41,82,78,173
Balance as per office A/c as on 31-3-2016		15,66,74,562
Add: Amount of un cashed cheques (Annexure 1) (57017951-250000+5058907+57554)		<u>6,18,84,412</u>
Total		21,85,58,974
Less: wrong debit of cheque No.803308 dt.31.3.16		1,41,500
Cheque deposited but not credited- ICAR (15-16) (Rs.45,12,509 – 1400)		45,11,109
Cheque deposited but not credited by bank		17,50,09,000
Excess withdrawal by bank (14-15)		9
		17,96,61,618
Balance as per Bank Pass Book as on 31-3-2016		3,88,97,356

Statement I**DETAILS OF TOTAL WITHDRAWAL FROM A/C NO.67167440116 DURING THE YEAR 2016-17**

Particulars		Amount in Rupees
Actual Gross Expenditure as per statement (Schedule -X)		32,24,07,765
Less:		
1. Total suspense for the year (Schedule IX)	2,41,40,991	

2. School expenses	2,75,22,757	
3. Expenses incurred from pension a/c		7,33,34,353
4. Puduvype plan expenses	1,96,94,137	
Total deduction	19,76,468	
Net withdrawal		24,90,73,412
Add:		
1. Suspense & other payments during the year(Schedule XII)	16,30,82,278	
2. Refund from KSCADC	61,02,802	
	19,681	16,92,04,761
3. Bank charges		
Total withdrawals during the year 2016-17		41,82,78,173

Schedule – VII

**BANK RECONCILIATION STATEMENT IN RESPECT OF ICAR DEVELOPMENT GRANT & LIBRARY A/C
FOR THE YEAR 2016-17**

Particulars		Amount in Rupees
Opening balance as per office A/c as on 1-4-2016		11,30,595
Add:		
1. Receipt from ICAR	0	
2. Bank interest credited	4,76,372	
3. Abatement charges	1,039	
	<u>4,77,411</u>	4,77,411
TOTAL		16,08,006
Add:		
Reversal of RAWWE expenditure which was booked in last year expenditure		1,87,000
Balance as per office A/c as on 31-3-2017		17,95,006
Balance as per Bank statement		83,73,382
Difference		65,78,376
Reconciliation:		
Un cashed cheques (List attached)	89,87,531	
LC opening expenses transferred from Salary a/c	<u>71,03,146</u>	

	1,60,90,677	1,60,90,677
Less : Cheque deposited but not credited	24,00,000	
LC opening expenditure wrongly debited to ICAR a/c instead of salary account(7106384+5787)	71,12,171	
Excess drawn by bank during 2012-13	<u>150</u>	
		95,12,321
Difference between Office a/c & bank statement		65,78,356

Schedule- I**Closing balances of various Accounts as on 31-3-2017**

SINo	Names of various accounts	Amount
1	Treasury Savings Bank A/c	100
2	Salary A/c – 67167440116	15,66,74,562
3	Pension A/c	3,86,876
4	Internal Receipts A/c	6,02,98,437
5	GPF A/c	36,21,552
6	Special TSB A/c for GPF	1,05,62,068
7	ICAR DG	17,95,006
8	Puduvype salary a/c	1,08,140
9	Schools/UE/DoE etc (Schedule attached)	8,49,37,413
	TOTAL	31,83,84,154

Schedule - II**Receipts from Govt. of Kerala**

SINo	Details of grant-in-aid received	Amount (in Rs.)
1	Non-plan grant-in-aid	12,07,00,000
2	Plan grant-in-aid	24,00,00,000
3	NABARD – RIDF Fund	7,50,09,000
	TOTAL	43,57,09,000

Schedule - III**Receipts from External Aided Projects**

SINo	Names of various projects	Amount (in Rs.)
1	CMLRE	19,10,000
2	NBFGP	13,17,274
3	D B T Projects	33,94,000
4	SERB Projects	20,61,839
5	NFDB	28,00,000
	TOTAL	1,14,83,113
	Add: Nansen Project fund wrongly shown in IR (2013-14)	4,00,000
	Total	1,18,83,113

Schedule - VI**Interest received from banks**

SINo	Names of various accounts	Amount (in Rs.)
1	Salary A/c – 67167440116	41,50,263
2	Pension A/c	2,42,504
3	GPF A/c	42,107
4	ICAR DG	4,76,372
5	Puduvype salary a/c	11,489
6	Internal Receipt a/c	14,27,238
7	Special TSB A/c	8,45,354
8	Interest received in schools/UE/DE Accounts	4,70,645
	TOTAL	76,65,972
	Less : bank charges	23,050
	Net amount credited	76,42,922

Schedule – XV**External Aided Projects Expenditure**

SINo	Names of various Projects	Expenditure incurred at Hqrs.	Amount transferred to PIs/FA	Total
1	DBT	0	9,00,000	9,00,000
2	CMLRE Projects	8,64,725	1,99,328	10,64,053
3	NFDB Project	12,84,315	0	12,84,315

4	AICOPTAX	0	11,68,438	11,68,438
5	KCSTE	8,57,312	45,631	9,02,943
6	SERB	337	13,91,066	13,91,403
7	NBFGR	0	10,29,794	10,29,794
7	Institutional charges	4,62,608	0	4,62,608
	TOTAL	34,69,297	47,34,257	82,03,554

Schedule - XVI**Opening balances of various accounts as on 01-4-2016**

SINo	Names of various accounts	Amount
1	Treasury Savings Bank A/c	100
2	Salary A/c – 67167440116	11,16,50,040
3	Pension A/c	81,76,464
4	Internal Receipts A/c	4,22,25,164
5	GPF A/c	15,19,318
6	Special TSB A/c for GPF	97,16,714
7	ICAR DG	11,30,595
8	Puduvype salary a/c	18,700
9	School balances	4,61,785
	TOTAL	17,48,98,880

FINANCE OFFICER

INFRASTRUCTURE

PLAN FUND PROPOSALS APPROVED FOR THE YEAR 2016-17

SL.NO.	NAME OF WORK	AMOUNT (In Lakhs)
1	Construction of seminar complex at KUFOS Head Quarters, Panangad (Phase - 3)	220.00
2	Construction of physical amenity centre at KUFOS Head Quarters ,Panangad (Phase-3)	250.00
3	Flat complex for Employees - (phase-3).	150.00
4.	Construction of Research complex at KUFOS Head Quarters, Panangad- (Phase-2)	100.00
5	Modernisation / Repair and Maintanance(Head Quarters Panangad.)	50.00
6	Construction of overhead tank at KUFOS Head Quarters Panangad.	100.00
7	Construction of indoor substation	100.00
8.	Installation of Biogas & solar panel (HQ)	15.00
9.	Construction of lift (HQ)	40.00
10.	PG hostel for Men& Women (second phase)	350.00
11.	Construction of swimming pool including wall & roof	40.00
	TOTAL	1415.00

CONSTRUCTION OF SEMINAR COMPLEX AT KUFOS HEAD QUARTERS PANANGAD (phase III) -

The total estimate cost for the project is Rs.8, 48, 91,000/- as per the preliminary estimate submitted by M/s. BSNL based on CPWD Delhi Plinth Area Rates 2012 as on 01.10.2012 enhanced by the approved Cost Index of 152 (as on 01.04.2015) for ERNAKULAM district .During the plan fund 2014-15 Rs.100 lakhs is allocated for phase 1 and 2015-16 plan fund Rs.150 lakhs for phase II. The work of Phase I is completed and the work of Phase II is nearing completion as on 31.03.2017.

The work was proposed to construct as phased manner according to the availability of fund. An amount of Rs.220 lakhs is allocated for the Construction of seminar complex (phase III).The amount required for the completion of the super structure portion of the building Rs.4, 14, 76,000/- (Rupees four crores fourteen lakhs and seventy six thousand only). The building shall be of RCC framed structure with floor height 10.50m having a plinth area of 1044sq.m in ground floor accommodating 436 seats and 618sq.m.in first floor accommodating 184 seats. Thus the building shall be ultimate with a total plinth area of 1662 sq. m to accommodate a total seating capacity of 618.The IIIrd phase of the work, which has already started is estimated an amount of Rs.220 lakhs. The balance work for the completion of the project will be arranged in the next phase (phase IV).

CONSTRUCTION OF PHYSICAL AMENITY CENTRE AT KUFOS HEADQUARTERS (PHASE- III) -

The total estimate cost for the completion of the project was Rs.4, 88, 55,000/- as per the preliminary estimate submitted by M/s. BSNL based on CPWD Delhi Plinth Area Rates 2012 as on 01.10.2012 enhanced by the approved Cost Index of 152 (as on 01.04.2015) for ERNAKULAM district .During the plan fund 2014-15 Rs.100 lakhs is allocated for phase 1 (completed) and 2015-16 plan fund is allocated Rs.160 lakhs for phase II. The construction of phase II is also completed. An amount of Rs.250 lakhs is allocated for the Construction of Amenity center -phase III(work on progress). The

balance amount of Rs.22, 59,000/-(Rupees twenty two lakhs and fifty nine thousand only) can be met from the balance amount of phase I & II of the project. The building shall be of RCC framed structure (G+2 floors) with floor height of 3.60 m having a plinth area of 575 Sq.M in Gr.FL, 575 Sq.M in 1st Floor and 575 Sq.M in 2nd floor. Thus the proposed building shall be ultimate with a total plinth area of 1725 Sq.M. The building will have light weight sheet roofing laid on steel trusses for topmost floor in future. The work however is, proposed to be taken up in phases. The first phase(completed) and second phase of construction , which is presently under construction is limited to Part G.FL (298 Sq.M) and Part 1st. FL (298 Sq.m) only, comprising a total of 596 Sq.M. An area of 554 Sq.M, (Part G.FL 277 Sq.M and Part 1st. FL 277 Sq.m) is covered by this estimate.

FLAT COMPLEX FOR EMPLOYEES – PHASE III

An amount of Rs.150 lakhs is allocated for the Residential accommodation for teaching & non-teaching staff (phase III). Work is awarded M/s. BSNL as deposit work and the work is on progress. First phase and second phase construction of the residential flat which were also entrusted with M/s. BSNL have already completed. During 2014-15 plan fund of Rs.100 lakhs was allocated for phase -1 and in the year 2015-16, Rs.100 lakhs allotted for phase-2. The estimate amounting to Rs.1, 50, 81,000/-for phase III is as follows. Excess amount will be met from the balance fund of phase I & II of this project. The building shall be of RCC framed structure (G+2) with floor height of 3.00m having a plinth area of 370 Sq.M in each floor which comprises two quarters in each floor and a central staircase. Thus the total plinth area shall be $3 \times 370 = 1110$ sq.M. The 1st & 2nd phase of construction comprising 2 SQ in G.FL and 1 SQ at 1st Floor for a total plinth area of 555 Sq.M is presently under construction. This estimate meant for the Ph.3 of the project thus comprises an area of, 400 Sqm which includes One Quarter in 1st Floor and one Quarter in 2nd Floor. Each staff quarter shall accommodate one office, 2 bed rooms, One drawing cum dining room, kitchen, Utility, and toilets. Thus the building will be ultimate with G+2 when completed with no provision for future expansion.

CONSTRUCTION OF RESEARCH COMPLEX AT KUFOS HEAD QUARTERS PANANGAD (phase II)-

An amount of Rs.100 lakhs is allocated for the Research complex (phase II). Work is awarded M/s. BSNL as deposit work and work is on progress. First phase construction of the Research complex was also entrusted with M/s. BSNL and work was completed. During 2013-14 plan fund of Rs.155 lakhs was allocated for phase -1. The estimate amounting to Rs.1, 01, 50,000/-for phase II is as follows.

The building shall be of RCC framed structure (G+1 floor) with floor height of 3.90 m having a plinth area of 455 Sq.M in Gr.FL and 455 Sq.M in 1st Floor. Thus the proposed building shall be ultimate with a total plinth area of 910 Sq.M. The work however is, proposed to be taken up in phases. In the first phase of construction (Ph.1) which is already completed, the construction was limited to G.FL (455 Sq.M) only. An area of 235 Sq.M proposed to be taken up in Ph.2, is covered by this estimate.

MODERNISATION/REPAIR & MAINTENANCE AT KUFOS HEAD QUARTERS PANANGAD

An amount of Rs.50 lakhs was allocated for Renovations and repairs of existing buildings. The following works were done under this head. The detailed estimate is as follows.

SL.NO.	NAME OF WORK	AMOUNT(In Lakhs)
1.	Repairs and renovations to the B' block building at Western campus of KUFOS Head Quarters Panangad.	4.70
2.	Repairs and renovations to the D' block building at Western campus of KUFOS Head Quarters Panangad.	3.60
3.	Repairs and renovations to the E' block building at Western campus of KUFOS Head Quarters Panangad.	3.30
4.	Repairs and renovations to the F ' block building at Western campus of KUFOS Head Quarters Panangad.	4.80

5.	Repairs and renovations to the G' block building at Western campus of KUFOS Head Quarters Panangad.	3.00
6.	Repairs and renovations to the H' block building at Western campus of KUFOS Head Quarters Panangad.	3.30
7.	Repairs and renovations to the I' block building at Western campus of KUFOS Head Quarters Panangad.	4.10
8.	Repairs and renovations to the Guest House building at North - Eastern campus of KUFOS Head Quarters Panangad.	2.60
9.	Construction of Drain at Men's Hostel of KUFOS Head Quarters Panangad	4.30
10.	Repair & Re-construction of compound wall of N-E campus (South) at KUFOS Head Quarters Panangad	2.15
11.	Renovation works to the dining hall of Men's Hostel at KUFOS Head Quarters Panangad	4.25
12.	Replacing of existing roof to the Scampi Hatchery building of Western campus of KUFOS Head Quarters Panangad.	4.40
13.	Repair of Scampi Hatchery building of Western campus of KUFOS Head Quarters Panangad.	1.55
14.	Painting works to Vembanad ladies hostel at KUFOS Head Quarters Panangad.	3.95
	TOTAL	50.00

All works in the above table are completed as on 31.03.2017.

CONSTRUCTION OF OVERHEAD TANK –

An amount of Rs.100 Lakhs/- was allocated for the construction of overhead tank. It was proposed to be constructed in the western campus of KUFOS. Estimate for the construction of overhead water tank with 1 lakh litres capacity at a height of 10m above ground level, prepared by M/S. KSCADC is amounting to Rs.1, 27, 25,808/- The water tank is designed as a circular type with an RCC framed structure and DMC pile foundation. The excess amount will be met from the balance amount allotted for the previous year plan fund for sump & overhead tank and distribution system. The work of the overhead tank is completed and the work of distribution line is yet to be completed.

CONSTRUCTION OF INDOOR SUB STATION –

An amount of Rs.100 Lakhs/- was allocated for the construction of indoor substation. It is decided to be constructed in the eastern campus of KUFOS. Detailed estimate for the construction of indoor substation, prepared by M/S. KSCADC is amounting to Rs.2, 72, 00,000/- The balance amount of Rs.1, 72, 00,000/- (Rupees one crore and seventy two lakhs only) required for completing the project can be met from the balance amount of construction of Academic block Phase IV&V. This estimate includes supply, installation, testing and commissioning of Indoor Unitized substation of 500 KVA. A semi-permanent building with size 22m x 9m is constructed for accommodating indoor substation. All civil work related to construction of Indoor Sub Station is completed and electrical work is in progress.

INSTALLATION OF BIOGAS

An amount of Rs.5 lakhs was allocated for Installation of Bio gas system. It is proposed to be installing bio gas plant in the new PG hostels and the work has been completed. The estimate for installing bio gas plant, prepared by Engg. Wing KUFOS is amounting to Rs.5, 00,000/-. This estimate includes two numbers of Ferro cement plant with capacity 4m³ each.

CONSTRUCTION OF LIFT ROOM AND ERECTION OF LIFT IN THE ADMINISTRATIVE OFFICE BUILDING-

An amount of Rs.40 lakhs was allocated for the Construction of lift room and erection of lift in the administrative building. Detailed estimate, prepared by Engg. Wing KUFOS for the work is amounting to Rs.40, 21, 000/-. The proposal consists of two estimates such as 1. Construction of lift room and 2. Erection of lift. The estimate for the Construction of lift room includes pile foundation, super structure with columns and bricks, plastering, painting etc. Installation of lift and connected electrical works included in the second estimate. Both works are completed.

CONSTRUCTION OF PG HOSTEL FOR MEN (phase II)-

An amount of Rs 350 lakhs was allocated for the construction of PG hostel for men & women (phase II). Considering the urgency of accommodating more number of students, it was proposed to increase the rooms by constructing vertical extension. The estimate is amounting to Rs.2, 51, 63,000/- with plinth area 667 sq.m. First phase construction of PG hostel (limited to Ground Floor only comprising 688 Sq.M. An area of 667 Sq.) for men was entrusted with M/s. BSNL and work is already completed. The work of Phase II is on progress. The building is RCC framed structure (G+2 floors) with floor height of 3.30 m having a plinth area of 688 Sq.M in Gr.FL, 667 Sq.M in 1st Floor and 667 Sq.M in 2nd floor. Thus the building shall be ultimate with a total plinth area of 2022 Sq.M. The building will have light weight sheet roofing laid on steel trusses for topmost floor in future.

CONSTRUCTION OF PG HOSTEL FOR WOMEN (phase II)-

An amount of Rs 350 lakhs was allocated for the construction of PG hostel for men & women (phase II). Considering the urgency of accommodating more number of students, it was proposed to increase the rooms by constructing vertical extension. An estimate, amounting to Rs.1, 17, 59,124/- with plinth area 300 sq.m. has been approved for the second phase construction of PG hostel for women. The balance amount of Rs.19, 22,124/- (Rupees nineteen lakhs twenty two thousand one hundred and twenty four only) will be met from the fund allotted for the construction of Library and Hostel building at Fisheries Station Puducherry for the last year plan fund. The building is of RCC framed structure (G+2 floors) with floor height of 3.30 m having a plinth area of 688 Sq.M in Gr.FL, 666 Sq.M in 1st Floor and 666 Sq.M in 2nd floor. Thus the proposed building shall be ultimate with a total plinth area of 2020 Sq.M. The building will have light weight sheet roofing laid on steel trusses for topmost floor in future. The work is taken up in phases. An area of 300 Sq.M is proposed to be taken up in Ph.2, is covered by this estimate. The work of Phase-I is completed and Phase II is nearing completion.

CONSTRUCTION OF THE COMPOUND WALL AROUND THE SWIMMING POOL –

An amount of Rs.10 lakhs was allocated for the Construction of the compound wall around the Swimming pool. It is essential to construct compound wall around the swimming pool in order to prevent the entry of trespassers. Detailed estimate was prepared by Engg. Wing of KUFOS, which was amounting to Rs.10, 000, 00/-. The estimate included foundation with rubble, super structure with solid blocks, plastering & painting. The construction of compound wall with a length of 130 m is now completed.

PROVIDING SHEET ROOFING TO THE SWIMMING POOL –

An amount of Rs.30 lakhs was allocated for providing sheet roofing to the Swimming pool. Considering the protective and safety measures, it is essential to cover the swimming pool with sheet roofing. Detailed estimate was prepared by Engg. Wing of KUFOS was amounting to Rs.27, 30, 000/-. The estimate includes RCC columns & beams, GI sheet roofing with GI truss work, plastering, painting etc. The work is under progress.

PHYSICAL EDUCATION



The Department of Physical Education, Kerala University of Fisheries and Ocean Studies promoting Physical Education and sports on par with regular academics. The University has well recognized the value of sports and physical activities as a means of developing personality promoting social harmony and discipline. The department provides ample opportunity to the students to utilize the leisure time with physical activities to reduce their stress in their day-to-day education system. At this esteemed University, we believe in all round development of students and hence, apart from our success stories in the field of education, the University provides encouragement and support to sports in a big way. With this unconditional support, the sports department went on to bring glory to the University in several disciplines of sports. The department has evolved into a team, which is committed to producing sports persons of very high standards.

A well established physical education and sports unit is functioning in the university with sufficient sports and games facilities. The Physical Education and Sports unit divided its activities in two broad categories, intramural and extramural. Sports & Games activities in the University Campus were very much active and alive during the year 2016-2017. The University is slowly but surely making a name for it in the sports field. This year Department has organized Kerala University of Fisheries and Ocean Studies Intercollegiate Track & Field and Games Meet.

INFRASTRUCTURE DEVELOPMENT FOR SPORTS

The University dedicated their time and effort for the development of the sports infrastructure of the University during the year.

PLAY FIELD FACILITIES

- Track and Field (outdoor) Football, Cricket.
- Shuttle Badminton (outdoor-2NOS)
- Basket ball court (outdoor-2NOS)
- Volley ball court (outdoor-2NOS)
- Table Tennis.
- Swimming pool

PROGRAMMES OF THE DEPARTMENT

- 1) Physical Education class for BFSc 1st years (I semester)
- 2) Swimming class for BFSc 2nd years (III semester)
- 3) Sending various teams for the Inter University South Zone/ All India championship.
- 4) Conducting KUFOS intercollegiate Track and Field and Games Meet.
- 5) Conducting Coaching camps for various teams

COMPETITIONS

During the period around 100 students participated in the extramural programme in sport and games competitions at various levels. Various sports in which the students participated are as follows: Football, Cricket, Badminton, table tennis, Athletics, Basketball, Boxing, Volleyball (Men and Women) various open and invitational tournaments in which the students participated in the District League tournaments, inter-collegiate inter-university and All India inter agriculture University sports and games meet competitions.

FOOTBALL

The University team participated in Ernakulam District football League, inter agricultural university sports meet, inter-collegiate and inter-university competitions.

CRICKET

The University team participated in Ernakulam District cricket League, inter agricultural university sports meet, inter-collegiate and inter-university competitions.

All India Inter Agriculture University sports and games meet

- Athletics men and women
- Basketball men
- Volleyball men and women
- Table tennis men and women
- Shuttle badminton men and women

REPORT ON 7 (KERALA) NAVAL NCC UNIT FOR 2016-17

A naval NCC Unit is functioning at KUFOS from 2007 with cadet strength of 50. In India, only one Fisheries Institution, KUFOS has the NCC Unit. All NCC activities will be conducted without affecting the studies and duty leave will be granted to participate in Camps. The NCC Uniforms and Refreshments will be served on free of cost. Almost all theory part of Naval NCC subjects will be covered in B.F.Sc. syllabus itself. Students can get NCC 'B' certificate after two years of training and 'C' after three years of training. S Lt. V S Kunjumuhammed is serving as Associate NCC officer (ANO).

During the report period 14 cadets have passed 'B' certificate exam and 5 cadets have passed NCC 'C' certificate exam. KUFOS ANO has got an opportunity to lead the Kerala Contingent to various camps. The Unit conducted a special parade on Republic day 2017, Dr. A. Ramachandran, Hon. Vice-Chancellor, KUFOS was the chief guest. Attendance is compulsory to all cadets on Independence Day and Republic day celebrations. Our Cadets have participated in various camps conducted by NCC in different places of the state. Total sanctioned strength is 50. The enrollment was completed in full allotted strength in current year. SD-20 (Boys) SW-30 (Girls) Total-50.

Panangad

28/03/2017

S.Lt. V S Kunjumuhammed

Associate NCC Officer, KUFOS.



Cadets are planting trees in the presence of Hon. Vice-Chancellor.



Cadets in International Yoga Day Activity



Hon. Vice chancellor Dr. A Ramachandran, hoisting the National Flag on Independence Day



Cadets with VC, PVC & Registrar

NATIONAL SERVICE SCHEME (NSS) ACTIVITY REPORT

WORLD ENVIRONMENT DAY

The world environment day was celebrated on June 5th 2016 at KUFOS campus by the NSS volunteers by planting tree sapling in the three campuses of the university. The Registrar, Dr. V.M. Victor George inaugurated the function and Mr. K.E. Joy, University Engineer, distributed the sapling to the volunteers.



INTERNATIONAL DAY OF YOGA

KUFOS NSS unit celebrated the International day of Yoga on 21 June 2016. Dr. A Ramachandran, Hon'ble Vice Chancellor, KUFOS inaugurated the function. A delegate from Michigan State University, USA participated in the function. Shri. Krishnakumar Menon K, Yoga instructor, delivered a talk on "Pranayama for everyone's wellness" and demonstrated various yogasana to the participants.



SWACHH BHARAT MISSION

As part of Swachh Bharat Mission, a campaign was carried out by the NSS KUFOS unit. NSS volunteers were split into two groups. One group of 20 students visited the nearby Raman Memorial LP School, Nettoor and gave talks and created awareness of maintaining personal hygiene and the importance of keeping the surrounding clean for the lower primary students of the school. They also took with them charts and placards depicting the role of every individual to keep their premises clean. The teachers of the school also participated in the programme and together they cleaned the immediate surroundings of the school.



Meanwhile the second group was involved in cleaning the university campus. All the solid waste (plastic, glass, paper, e-waste etc) were collected and segregated in the western campus of the university. The students took special care to convert a long standing dump yard of the campus into a garden.



NSS DAY CELEBRATION AND ORIENTATION PROGRAMME FOR NSS VOLUNTEERS

The NSS day was celebrated on 24th September 2016 at the KUFOS main campus. This included a one-day orientation programme for the new batch of NSS volunteers. Mr. Satheesh S. Potti, Assistant Professor, DB College, Thalayolaparambu was the invited guest.





NATIONAL ROAD SAFETY WEEK

The National Service Scheme of KUFOS in association with the Sub Regional Transport Office, Thripunithura organized an awareness programme for students on “**Safe Driving**” as part of the National Road Safety Week on 20th January 2017. Mr. Vinod Kumar N., Motor Vehicle Inspector, handled the class at KUFOS, Seminar Hall. The aim of this campaign was to emphasize and accentuate people about the need of safe roads travel by applying just simple rules. NSS Volunteers then carried out the awareness campaign to the public by distributing hand-made pamphlets to those violating traffic rules and encouraging those following it by distribution of pleasantries.

REPUBLIC DAY CELEBRATION

The volunteers of NSS KUFOS unit took part in India's 68th Republic Day celebration at KUFOS headquarters. Volunteers participated in the campus cleaning activities within the campus and conducted a debate competition on the topic “Freedom of speech”.

WORLD WETLAND DAY CELEBRATED

The NSS KUFOS unit celebrated the world wetland day on 2nd February 2017. Dr. K. Padmakumar, Pro Vice Chancellor, KUFOS was the Chief Guest. Dr. S.M. Raffi delivered a lecture on the importance of wetlands, its conservation and challenges faced. This was followed by a quiz competition on Wetlands for the students of KUFOS. Twelve teams participated in the competition in which Dr. Mithun Sukumaran, Assistant Professor was the quiz master. Dr. Ranjeet K., NSS Programme Officer delivered the welcome address and Amal S, NSS Secretary proposed the vote of thanks.



BLOOD DONATION CAMP

Seventeen volunteers of KUFOS NSS unit participated in three different blood donation camps held in Cochin during January to March 2017.



INDEPENDENCE DAY CELEBRATION

NSS Kufos unit actively participated in the 70th Independence day celebrations at the Main campus. A patriotic song competition was held for students on the day. Hon'ble Vice Chancellor, Dr. A. Ramachandran and Volunteers took oath to safeguard national integration on the day.



KUFOS PARTICIPATES IN NSS NATIONAL INTEGRATION CAMP

The KUFOS NSS unit participated in the NSS National Integration Camp held at PG Centre Nandihalli, Vijayanagara Sri Krishnadevaraya University, Bellary from 4th to 10th March 2017. Dr. Ranjeet K, NSS Programme Officer along with ten students (5 boys and 5 girls) of Vth Semester BFSc (2014 batch) represented Kerala State in the Integration camp in which 150 volunteers from seven different states of India participated. The students of KUFOS excelled in all the activities. They were judged the best team for quiz competition and poster making competition. Students also exhibited a wonderful picture of Kerala's cultural tradition during the cultural programme. Through shramdaan students converted a derelict and barren land suitable for rose cultivation; they also prepared a playground which the locals could use for their recreation. The camp also included visit to historical place, Humpi and trekking to the hillocks of Kumaraswami temple. In all the camp gave students a better understanding of different cultures of India and created a sense of national integration. It also brought out the organizing capacity cutting across the language and cultural barriers.

MEMBERS DETAILS

The Over-all objective of the National Service Scheme is Service to the community, while studying, in an educational institution. It is sought to arouse the social conscience of students and provide them with the opportunity to work with the people around the educational campuses creatively, and constructively, and to put the education they received to concrete social use. KUFOS has two unit of NSS with Dr. Ranjeet K., Associate Professor and Dr. Binu Varghese as its Programme Officers. The NSS Unit in KUFOS has 150 students from the BFSc course. Mr. Amal S and Ms. Saranya Raju of 2014 batch BFSc are the NSS Secretaries.

ENROLMENT DETAILS (2016-17)

Allocated NSS Volunteer Strength	Enrolment of NSS Volunteers									TOTAL		
	OC			SC			ST			M	F	T
	M	F	T	M	F	T	M	F	T			
150	46	89	135	5	4	9	3	3	6	54	96	150

NSS PROGRAMME OFFICER ATTENDS ORIENTATION PROGRAMME

Dr. Ranjeet K, NSS Programme Officer, KUFOS attended the 18th Orientation Programme for NSS Programme Officers from 9-15th February, 2017 at Empanneled Training Institution (ETI) for NSS, Rajagiri College of Social Sciences, Kalamassery, Kochi.

UNIVERSITY STUDENTS UNION REPORT 2016-2017

The main aim of union was to promote healthy corporate life among all students and organize extracurricular activities and provide opportunity for the students to enhance their knowledge and skills that will assist them in their development. The activities undertaken are detailed below.

COLLEGE UNION INAUGURATION

'Chuvappu', The college union 2016 – 17 inaugural ceremony was held on March 22, 2016. The official inauguration was done by Ms. Honey Rose, cine artist. Famous cartoonist Anjaan Satheesh (National Award Winner) also graced the occasion. The inaugural function was followed by cultural programmes. It was a stage for the students of our college to show their talents in the fields of music and dance

The office bearers of the Students union are

Patron : Prof(Dr.) A. Ramachandran, Hon'ble Vice Chancellor
Associate patron: Dr. MK Sajeewan
Chairman: Shri. Aadarsh, PP
vice chairman: Kum. Vishnupriya, T.S
General Secretary: Shri. Praveen, A
Joint Secretary: K.R. Rajagopal
Arts club Secretary: Kum. Sneha Satheesh
Magazine editor: Kum. Judith Das
University Union councilors: Kum. Geethu P Raj
University Union councilors: Shri. Anju Suresh
University Union councilors: Shri. Nidhin kumar Ap

PHOTO EXHIBITION

A photo exhibition was held on 28th April 2016. The photos exhibited were taken by talented students of KUFOS and the theme was 'The Nature'. The programme was inaugurated by the famous bird watcher Mr. Basil Peter. Prizes were also distributed for the best photographs.

'ELAA' NATURE CLUB INAUGURATION

'ELAA', The college union nature club inauguration was held at seminar hall on World Environment Day. It was inaugurated by MLA . A.M.Ariff. Saplings were distributed to the students and was also planted in the campus.



Union inauguration by Ms. Honey Rose.



Photo exhibition in theme 'Nature'

MOVIE CLUB INAUGURATION

Movie club was inaugurated and the first movie of the month was played on 15th June, 2016. The movie played was 'Pele'. Later many movies were played as a part of movie club activities.

INTERNATIONAL YOGA DAY

International yoga day was conducted in the campus on 21st June and was inaugurated by the Prof(Dr.) A. Ramachandran, Hon'ble Vice Chancellor.

MEHANDI DHAMALI

A mehendi designing competition was conducted as a part of Id-ul-fitr. It was made successful along with Ramzan special programmes and Iftar recipes. The programme was a great success.

FISHERIES CLUB INAUGURATION

Fisheries club was inaugurated by Mr. Shibu puthenvelikkara (Best fish culturist Award winner). An interactive session was also presented to provide students with technical and practical farm based knowledge.

'KALASHIKA'

The University arts fest was organised by the arts club of college union from 30th- 31st September. The programme was inaugurated by Prof(Dr.) A. Ramachandran, Hon'ble Vice Chancellor. Shri. Vinayan Cine Director was the guest of honour of the day. The University witnessed the most colourful event in its history. It brought out the creativity of young minds. The days resonated with beautiful notes and steps of talented students. Shri Jaun Paul famous screen play writer inaugurated the valedictory function of kalashigha, Dr. Tanuja Rajeswary, Champion School, Kochi gave away the prizes for winners.

ONAM 2K16

The Onam celebration was carried out successfully restoring all the traditional values. An onasadya was served. Other competitions like Pookalam competition, Lemon race, Onappattu, pulikali, Malayalimanka etc were held.

HEALTH CAMP

A health camp on eye sight check up was conducted on 15th October in collaboration with Nettor PHC as a part of World sight day. A class was conducted and free eye check up was provided at students and staff at KUFOS seminar hall.

TALK SHOW ON FIRST AID

A talk show on first aid awareness was organised on 29th December 2016 by the students union. The programme was inaugurated Dr. V.M. Victor George, Registrar, KUFOS

ESPERANZA 2K17

New Year party was celebrated on 5th January 2017 at KUFOS seminar hall. The grand programme was hosted by Piranhaz, BfSc 2016 Batch. The programme was inaugurated by Prof (Dr) A. Ramachandran the Hon'ble Vice chancellor

ANNUAL ATHLETIC SPORTS MEET

It was organised by the students union along with the physical education department. The competition was really tight. There were competitions for both athletics and games. The students participated really well and Bfsc 2015 batch (kallumakkas) won the overall championship of the meet.



Kalashika off stage competitions



Observation of yoga day



Onam celebration 2k16



Onam celebration 2k16



Inauguration of nature club 'ELAA'

PARENT TEACHERS ASSOCIATION

Annual report 2016-17

The Annual General body Meeting held on 14/12/2016 unanimously decided to continue the existing committee with the following persons as the office bearers of the Parent Teachers Association Kerala University Of Fisheries And Ocean Studies for the year 2016-17.

President	:	Shri Prasad M.K (F/o MsDevika, III BFSc)
Vice President	:	Shri C.Haridas (F/o MsLekshmiHaridas, III BFSc)
Secretary	:	Dr.B.Manojkumar (Associate Professor)
Jt.Secretary	:	SmtAlphyKorath (Associate Professor)
Executive Committee Members	:	Shri K.Dinakaran (F/oChandana, BFSc)
		Shri M. Vijayakumar (F/o MsVeenaVijayan,MSc(Statistics)
		SmtJasmin.M (M/o Afiya Salah, BFSc)
		SmtK. V.Pushavalli (M/o GopikaVishwanath.BFSc)

The executive committee met thrice during the period on 15/12/2016 and 10/01/2017 in order to review the activities of the Association.

In the general body meeting parents raised various issues. The issues were discussed and it was decided to bring them to the attention of University authorities. PTA was associated with various activities organized in the University; some of them are given below.

On 20/09/2016 an orientation programme was organized for the MBA students by the School of Management and Entrepreneurship. A special lecture by Shri Anil Madhavan, Managing Director, Loom Craft was organized on 21st October 2016. He shared his valuable industrial experience with the students of the University. A welcome was arranged for the 2016 admission BFSc students on 26/10/2016. DrK. V.Jayachandran, Professor and Director of Research and Shri N.N.Raman, Associate Professor and Director, School of Fishery Environment both faculty members of the University retired from the service are being honoured by the Association today.

A campus interview for the students was organized on 23/04/2016 by the Association in collaboration with the University. Members from Qatar National Import and Export Co, visited the campus and a person was recruited. Students are informed about the career opportunities by the association. The association acted as a liaison between the parents and the University

In addition to the above mentioned activities the Association was closely associated with all the activities of the students and staff of the University such as onam, new year celebrations etc. PTA was in the forefront in both the sad and glad occasions of the members of the KUFOS family.



KERALA UNIVERSITY OF FISHERIES AND OCEAN STUDIES

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