



Yearly Status Report - 2018-2019

Part A

Data of the Institution

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| Part A | |
| Data of the Institution | |
| 1. Name of the Institution | UNIVERSITY OF KERALA |
| Name of the head of the Institution | Dr. V. P Mahadevan Pillai |
| Designation | Vice Chancellor |
| Does the Institution function from own campus | Yes |
| Phone no/Alternate Phone no. | 04712306634 |
| Mobile no. | 9400946909 |
| Registered Email | regrku@gmail.com |
| Alternate Email | registrar@keralauniversity.ac.in |
| Address | Senate House Campus, Palayam, Thiruvananthapuram, Kerala |
| City/Town | Thiruvananthapuram |
| State/UT | Kerala |
| Pincode | 695034 |

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| 2. Institutional Status | |
| University | State |
| Type of Institution | Co-education |
| Location | Urban |
| Financial Status | state |
| Name of the IQAC co-ordinator/Director | Prof. Dr. Gabriel Simon Thattil |
| Phone no/Alternate Phone no. | 04712303013 |
| Mobile no. | 9496275305 |
| Registered Email | team.iqac@gmail.com |
| Alternate Email | simon.thattil@gmail.com |

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|--|---|
| 3. Website Address | |
| Web-link of the AQAR: (Previous Academic Year) | https://iqac.keralauniversity.ac.in/docs/AQAR_July_17_June_18.pdf |
| 4. Whether Academic Calendar prepared during the year | Yes |
| if yes,whether it is uploaded in the institutional website: Weblink : | https://www.keralauniversity.ac.in/academic-calendar |

| 5. Accrediation Details | | | | | |
|--------------------------------|-------|------|----------------------|-------------|-------------|
| Cycle | Grade | CGPA | Year of Accrediation | Validity | |
| | | | | Period From | Period To |
| 1 | B++ | 81.5 | 2003 | 21-Mar-2003 | 20-Mar-2008 |
| 2 | A | 3.03 | 2015 | 03-Mar-2015 | 02-Mar-2020 |

| | |
|---|-------------|
| 6. Date of Establishment of IQAC | 10-May-2005 |
|---|-------------|

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|---|
| 7. Internal Quality Assurance System |
|---|

| Quality initiatives by IQAC during the year for promoting quality culture | | |
|---|-----------------|---------------------------------------|
| Item /Title of the quality initiative by | Date & Duration | Number of participants/ beneficiaries |

| IQAC | | |
|--|-------------------|-----|
| Collaboration on the Skill development Initiatives for the University ASAP | 31-May-2019 1 | 150 |
| UGC NET coaching 2019 | 01-Oct-2018 20 | 150 |
| ANNUAL INTERDISCIPLINARY ACADEMIC MEET (AIAM) - 2019 | 20-Mar-2019 1 | 600 |
| Student Induction Program 2018 | 26-Sep-2018 1 | 750 |
| UGC-NAAC awareness workshop on Quality Assessment & Accreditation | 15-Oct-2018 1 | 164 |
| Research methodology workshop on Quality Research & Knowledge Creation | 22-Nov-2018 3 | 120 |
| K-DISC Young Innovators Program - Idea Generation as per Kerala Development and Innovation Strategic Council (K-DISC) guidelines | 12-Apr-2019 1 | 100 |
| Workshop on Outcome Based Education | 14-May-2019 1 | 200 |
| Workshop on Outcome Based Education | 01-Jun-2019 1 | 200 |
| Workshop on Outcome Based Education | 07-Jun-2019 1 | 200 |
| Student Induction Program 2019 | 25-Jun-2019 1 | 800 |
| Workshop on Right to Service Charter | 26-Apr-2019 1 | 80 |
| INTERACTION WITH NOBEL LAUREATE | 04-Feb-2019 1 | 100 |
| Collaboration on the Skill development Initiatives for the University ASAP | 31-May-2019 1 | 200 |
| SCIENCE WEEK CELEBRATIONS | 27-Feb-2019 1 | 600 |
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8. Provide the list of Special Status conferred by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

| Institution/Department/Faculty | Scheme | Funding Agency | Year of award with duration | Amount |
|---|---|----------------|-----------------------------|---------|
| Department of English | Special Assistance Programme(SAPDRS I) | UGC | 2018 1825 | 1288726 |
| Department of Aquatic Biology and Fisheries | Evaluating Costs and Benefits of Prophylactic Health Products and Novel Alternatives on Smallholder Aquaculture Farmers in Asia and Africa (IMA Qulate) | DBT | 2017 1095 | 7383025 |
| Department of Aquatic Biology and Fisheries | Development of Alternative Sustainable Fish Feeds to Promote Human Health Using Novel Non-Conventional Indigenous Ingredients | DBT | 2017 1095 | 4559094 |
| Department of Botany | Studies on the Molecular mechanisms of Self incompatibility in Ananas comosus (L.) Merr | SERB | 2018 1095 | 900000 |
| Department of Botany | Collection, Characterization and Propagation of Garcinia gummi - gutta(L.) Robs | KSCSTE | 2017 1095 | 820700 |
| Department of Zoology | "Evaluate the disruption of cholesterol homeostasis on hair follicle cycling and stem cell function in alopecia" | DHR | 2018 1095 | 1586000 |
| Department of Statistics | MATRICS Schemeproject entitled "A Study on | SERB | 2018 1095 | 220000 |

| | | | | |
|-------------------------------|--|------|--------------|---------|
| | Certain Hyper -Poisson Related Distributions" | | | |
| Department of Biochemistry | Orthopedic Tissue Engineer ing-Repair Injured Rabbit tendon | ICMR | 2018 1095 | 1070600 |
| Department of Botany | Bioprospecting, Barcoding and in vitro culture for sustainable utilization of two selected RET listed medicinal plants Piper barberi and Smilax wightii | SERB | 2018 1095 | 1811950 |
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| | |
|--|---------------------------|
| 9. Whether composition of IQAC as per latest NAAC guidelines: | Yes |
| Upload latest notification of formation of IQAC | View File |
| 10. Number of IQAC meetings held during the year : | 7 |
| The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website | Yes |
| Upload the minutes of meeting and action taken report | View File |
| 11. Whether IQAC received funding from any of the funding agency to support its activities during the year? | Yes |
| If yes, mention the amount | 325798 |
| Year | 2018 |

| |
|--|
| 12. Significant contributions made by IQAC during the current year(maximum five bullets) |
| <ul style="list-style-type: none"> o Conducted Seminar/ Workshops/ Training etc. to promote quality, research Development o Collaboration with ASAP on the Skill development Initiatives for the University o Formation of 'Green Squads' to monitor the implementation of green charter of the University o Conducted awareness programmes and outreach activities addressing social issues o Conducted UGC NET coaching classes jointly |

by Researchers Union, IQAC, University of Kerala during October December 2018

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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

| Plan of Action | Achivements/Outcomes |
|---|---|
| Induction Program for first semester PG program students and parents | Over 800 students benefited |
| Workshop on Research Methodology and Data Analysis during July 2018 | over 90 Research scholars participated |
| Research methodology workshop on Quality Research & Knowledge Creation during november 2018 | over 120 Research scholars participated |
| UGC- NAAC Workshop on Quality Assessment and Accreditation during October 2018 | Provided Support to over 119 Colleges In The Accreditation Process With Support from UGC and NAAC |
| conducted Curriculum Fair-2018 | The Fair was a platform which corroborated the academic insight and strength of the participants to translate their ideas into workable blueprint. |
| SCIENCE WEEK CELEBRATIONS | The Science Week celebrations, organized for the first time in University of Kerala, with a week-long programmes involving public lectures and open house days concluded with the workshop on popular science writing |
| ANNUAL INTERDISCIPLINARY ACADEMIC MEET (AIAM) - 2K19 | The objective of the meet is to strengthen the school system in terms of promoting interdisciplinary learning, interdisciplinary research and innovation, student's startup and incubation for new ideas, better campus infrastructure and support services |
| INTERACTION WITH EMINENT SCHOLARS | Teaching Departments of the University in association with IQAC conducted interactive sessions with eminent scholars under the Programme "Interaction with Eminence Scholars". Department of Zoology, Institute of English, Department of Chemistry, Department of Geology, Department of Optoelectronics, Department of Aquatic Biology and Fisheries, Department of Library Science, Department of Future Studies, etc organized sessions under the scheme. |
| INTERACTION WITH NOBEL LAUREATE | Internal Quality Assurance Cell(IQAC), University of Kerala hosted an |

interactive session with Ada E. Yonath, Nobel Laureate in Chemistry under the scheme Interaction with Eminent Scholar. Fostering quality research and exposing our scholars to the best research practises is the objective behind the programme "Interaction with eminent Scholars".

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|---|---|
| 14. Whether AQAR was placed before statutory body ? | No |
| 15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ? | No |
| 16. Whether institutional data submitted to AISHE: | No |
| 17. Does the Institution have Management Information System ? | Yes |
| If yes, give a brief description and a list of modules currently operational (maximum 500 words) | <p>Examination •Online submission of application for different examinations, downloading of hall tickets, Online availability of question papers, tabulation of marks KU finance employee's portal •Online direct payment of salary •PF credit cards •Leave details •Income tax TDS filing Student portal •Student admission, payment of fees, choice of courses, choice of SWAYAM course under MOOC Research portal •Online submission of application and synopsis •Choice of research guides • Choice of research centres • Research fellowships •Course work</p> |

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

| Name of Programme | Programme Code | Programme Specialization | Date of Revision |
|-------------------|----------------|------------------------------|------------------|
| PhD or DPhil | 815 | BOTANY | 01/06/2019 |
| MSc | 817 | CHEMISTRY | 02/07/2018 |
| MCom | 818 | COMMERCE | 02/07/2018 |
| MA (Journalism) | 819 | COMMUNICATION AND JOURNALISM | 02/07/2018 |

| | | | |
|-------|-----|--|------------|
| MSc | 820 | COMPUTATIONAL BIOLOGY AND BIOINFORMATICS | 02/07/2018 |
| MSc | 823 | DEMOGRAPHY | 02/07/2018 |
| MSc | 826 | ENVIRONMENTAL SCIENCES | 02/07/2018 |
| Mtech | 000 | TECHNOLOGY MANAGEMENT | 02/07/2018 |
| MSc | 854 | DATA SCIENCE | 01/06/2019 |
| MA | 828 | GERMAN LANGUAGE AND LITERATURE | 02/07/2018 |
| MA | 830 | HISTORY | 02/07/2018 |
| MA | 831 | ENGLISH LANGUAGE AND LITERATURE | 02/07/2018 |
| MA | 835 | LINGUISTICS | 02/07/2018 |
| MA | 836 | MALAYALAM LANGUAGE AND LITERATURE | 02/07/2018 |
| MA | 838 | MUSIC | 02/07/2018 |
| MA | 843 | RUSSIAN LANGUAGE AND LITERATURE | 02/07/2018 |
| MA | 845 | SOCIOLOGY | 02/07/2018 |
| MSc | 847 | STATISTICS | 02/07/2018 |
| MSc | 849 | ZOOLOGY | 02/07/2018 |

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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

| Programme with Code | Programme Specialization | Date of Introduction | Course with Code | Date of Introduction |
|---------------------|----------------------------|----------------------|---|----------------------|
| MCom | FINANCE | 02/07/2018 | COMC411 RESEARCH METHODOLOGY | 02/07/2018 |
| MCom | FINANCE | 02/07/2018 | COM-C-433 TAX PLANNING AND MANAGEMENT OF INCOME TAX AND GST | 02/07/2018 |
| MCom | GLOBAL BUSINESS OPERATIONS | 01/06/2019 | GBO-C-431 GLOBAL MARKETING | 01/06/2019 |
| MCom | FINANCE | 02/07/2018 | COM-C-431 SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT | 02/07/2018 |
| MA | ECONOMICS | 02/07/2018 | ECO -C-431 BASIC ECONOMETRICS | 02/07/2018 |

| | | | | |
|------------|---------------------------|------------|--|------------|
| MA | ECONOMICS | 02/07/2018 | ECO-E-434 MATHEMATICAL ECONOMICS | 02/07/2018 |
| MA | ECONOMICS | 02/07/2018 | ECO-E-443 ADVANCED ECONOMETRICS | 02/07/2018 |
| MA | ECONOMICS | 02/07/2018 | ECO-E-444 AGRICULTURAL ECONOMICS | 02/07/2018 |
| MA | ECONOMICS | 02/07/2018 | ECO-E-445 INDUSTRIAL ECONOMICS LAW AND ECONOMICS | 02/07/2018 |
| MSc | ENVIRONMENTAL SCIENCES | 02/07/2018 | ENS C 421 ENVIRONMENTAL TECHNIQUES | 02/07/2018 |
| MSc | ENVIRONMENTAL SCIENCES | 02/07/2018 | ENS C 424 ENVIRONMENTAL METEOROLOGY AND CLIMATE CHANGE | 02/07/2018 |
| MSc | ENVIRONMENTAL SCIENCES | 02/07/2018 | ENS C 433 ENVIRONMENTAL IMPACT ASSESSMENT AND DISASTER MANAGEMENT | 02/07/2018 |
| MSc | ENVIRONMENTAL SCIENCES | 02/07/2018 | ENS C 441 ENVIRONMENTAL ENGINEERING AND POLLUTION CONTROL | 02/07/2018 |
| MSc | ENVIRONMENTAL SCIENCES | 02/07/2018 | ENS C 443 REMOTE SENSING AND GIS, WASTE MANAGEMENT TECHNIQUE | 02/07/2018 |
| MSc | ENVIRONMENTAL SCIENCES | 02/07/2018 | ENS X 431 WASTE MANAGEMENT TECHNIQUE | 02/07/2018 |
| MSc | ENVIRONMENTAL SCIENCES | 02/07/2018 | ENS X 411 DISASTER MANAGE MENTDISASTER MANAGEMENT | 02/07/2018 |
| PG Diploma | ENGLISH | 01/06/2019 | ARCHIVAL RESEARCH | 01/06/2019 |
| PG Diploma | ENGLISH | 01/06/2019 | CONTENT WRITING | 01/06/2019 |
| PG Diploma | LAW | 02/07/2018 | HUMAN RIGHTS | 02/07/2018 |
| PG Diploma | LAW | 02/07/2018 | PATENT LAW | 02/07/2018 |
| PG Diploma | LAW | 02/07/2018 | MEDICAL LAW | 02/07/2018 |

| | | | | |
|------------|---------------------------------------|------------|---|------------|
| PG Diploma | LAW | 02/07/2018 | CYBER LAW | 02/07/2018 |
| PG Diploma | LAW | 02/07/2018 | HUMAN RIGHTS AND DUTY EDUCATION | 02/07/2018 |
| MA | LINGUISTICS | 02/07/2018 | / LANGUAGE TECHNOLOGY LAB | 02/07/2018 |
| MA | LINGUISTICS | 02/07/2018 | PHONETICS LABORATORY LAB | 02/07/2018 |
| MA | MALAYALAM LANGUAGE AND LITERATURE | 02/07/2018 | MAL-C-412 Literary Hostoriography | 02/07/2018 |
| MA | MALAYALAM LANGUAGE AND LITERATURE | 02/07/2018 | MAL-C-424 Translation Studies | 02/07/2018 |
| MA | MALAYALAM LANGUAGE AND LITERATURE | 02/07/2018 | MAL-E-445 Screenplay and Film studies | 02/07/2018 |
| MA | MALAYALAM LANGUAGE AND LITERATURE | 02/07/2018 | MAL-X-431 Visual Art Culture | 02/07/2018 |
| MA | MALAYALAM LANGUAGE AND LITERATURE | 02/07/2018 | MAL-X-432 Gender Studies | 02/07/2018 |
| MA | MALAYALAM LANGUAGE AND LITERATURE | 02/07/2018 | MAL-X-441Envi ronment and Human Rights. | 02/07/2018 |
| MA | RUSSIAN LANGUAGE AND LITERATURE | 02/07/2018 | INTEGRATED DIPLOMA IN RUSSIAN | 02/07/2018 |
| MA | RUSSIAN LANGUAGE AND LITERATURE | 02/07/2018 | ADVANCED DIPLOMA IN TRANSLATION | 02/07/2018 |
| MSc | APPLIED STATISTICS AND DATA ANALYTICS | 02/07/2018 | R | 02/07/2018 |
| MSc | APPLIED STATISTICS AND DATA ANALYTICS | 02/07/2018 | PYTHON | 02/07/2018 |
| MA | TAMIL LANGUAGE AND LITERATURE | 01/06/2019 | TAM- E- 444 TAMIL JOURNALISM AND MASS COMMUNICATION | 01/06/2019 |
| MSc | ZOOLOGY (PURE & APPLIED) | 02/07/2018 | ZOO-C-423 MICROBIOLOGY AND IMMUNOLOGY | 02/07/2018 |
| MSc | ZOOLOGY (PURE & APPLIED) | 02/07/2018 | ZOO-C-441 APPLIED ZOOLOGY | 02/07/2018 |

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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

| Programme/Course | Programme Specialization | Dates of Introduction |
|---------------------------|---------------------------------------|-----------------------|
| MPhil | MARINE SCIENCE AND TECHNOLOGY | 01/11/2018 |
| PG Diploma | DIPLOMA IN COMMUNICATIVE ARABIC | 01/06/2019 |
| MSc | BIODIVERSITY CONSERVATION | 01/06/2019 |
| MCom | GLOBAL BUSINESS OPERATIONS | 01/06/2019 |
| MSc | BIOSTATISTICS AND DEMOGRAPHY | 02/07/2018 |
| MSc | DATA SCIENCE | 01/06/2019 |
| MA | WEST ASIAN STUDIES | 01/06/2019 |
| MA | PUBLIC ADMINISTRATION | 01/06/2019 |
| MSc | APPLIED STATISTICS AND DATA ANALYTICS | 01/06/2019 |
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the University level during the Academic year.

| Name of programmes adopting CBCS | Programme Specialization | Date of implementation of CBCS/Elective Course System |
|----------------------------------|---------------------------------------|---|
| MPhil | MARINE SCIENCE AND TECHNOLOGY | 01/11/2018 |
| MSc | BIODIVERSITY CONSERVATION | 01/06/2019 |
| MCom | GLOBAL BUSINESS OPERATIONS | 01/06/2019 |
| MSc | BIOSTATISTICS AND DEMOGRAPHY | 02/07/2018 |
| MSc | DATA SCIENCE | 01/06/2019 |
| MA | PUBLIC ADMINISTRATION | 01/06/2019 |
| MA | WEST ASIAN STUDIES | 01/06/2019 |
| MSc | APPLIED STATISTICS AND DATA ANALYTICS | 01/06/2019 |

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

| Value Added Courses | Date of Introduction | Number of Students Enrolled |
|--|----------------------|-----------------------------|
| CREATIVE WRITING | 02/07/2018 | 27 |
| COMMUNICATION SKILLS AND PERSONALITY DEVELOPMENT | 02/07/2018 | 27 |
| FUNCTIONAL MALAYALAM | 02/07/2018 | 3 |
| SOFT SKILL IMPARTING AND LEARNING FOR PROFESSIONAL ADVANCEMENT (SLLPA) | 02/07/2018 | 60 |

| | | |
|---|------------|----|
| CORPORATE SOCIAL RESPONSIBILITY AND BUSINESS ETHICS | 02/07/2018 | 82 |
| STOCK MARKET OPERATIONS | 02/07/2018 | 82 |
| ENVIRONMENTAL ECONOMICS | 02/07/2018 | 50 |
| HEALTH ECONOMICS | 02/07/2018 | 50 |
| WOMEN AND DEVELOPMENT | 02/07/2018 | 50 |
| ADVANCED ECONOMETRICS | 02/07/2018 | 50 |
| AGRICULTURAL ECONOMICS | 02/07/2018 | 50 |
| INDUSTRIAL ECONOMICS | 02/07/2018 | 50 |
| LAW AND ECONOMICS | 02/07/2018 | 50 |
| YOGA PRACTICE | 02/07/2018 | 30 |
| BASIC FRENCH FOR BEGINNERS | 02/07/2018 | 30 |
| View File | | |

1.3.2 – Field Projects / Internships under taken during the year

| Project/Programme Title | Programme Specialization | No. of students enrolled for Field Projects / Internships |
|-------------------------|--|---|
| MSc | AQUATIC BIOLOGY AND FISHERIES | 13 |
| MA | ARCHAEOLOGY | 26 |
| MSc | BIOTECHNOLOGY | 11 |
| MSc | BOTANY | 11 |
| MSc | CHEMISTRY | 4 |
| MA (Journalism) | COMMUNICATION & JOURNALISM | 19 |
| MSc | COMPUTATIONAL BIOLOGY & BIOINFORMATICS | 12 |
| Mtech | COMPUTER SCIENCE | 25 |
| MA | ECONOMICS | 100 |
| MSc | ENVIRONMENTAL SCIENCES | 20 |
| MSc | GEOLOGY | 12 |
| MA | ENGLISH | 9 |
| MBA | GENERAL | 40 |
| MBA | TOURISM | 40 |
| MlibSc | LIBRARY & INFORMATION SCIENCE | 18 |
| MA | LINGUISTICS | 27 |
| Mtech | OPTOELECTRONICS | 11 |
| MA | POLITICAL SCIENCE | 9 |
| MSc | PSYCHOLOGY | 26 |
| MA | SOCIOLOGY | 15 |

| | | |
|---------------------------|---------|----|
| MSc | ZOOLOGY | 12 |
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

| | |
|-----------|-----|
| Students | Yes |
| Teachers | No |
| Employers | No |
| Alumni | No |
| Parents | No |

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution?
(maximum 500 words)

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|--|
| Feedback Obtained |
| Student-feedback on teachers received is analysed and teacher-wise details are submitted to each department. The department council discusses the feedback received and remedial measures are suggested. |

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

| Name of the Programme | Programme Specialization | Number of seats available | Number of Application received | Students Enrolled |
|-----------------------|--|---------------------------|--------------------------------|-------------------|
| MSc | AQUATIC BIOLOGY & FISHERIES | 14 | 121 | 14 |
| MA | ARABIC | 18 | 65 | 10 |
| MA | ARCHAEOLOGY | 15 | 258 | 15 |
| MSc | BIO-CHEMISTRY | 16 | 500 | 15 |
| MSc | BIO-TECHNOLOGY | 14 | 708 | 14 |
| MSc | CHEMISTRY | 18 | 1258 | 18 |
| MA (Journalism) | COMMUNICATION & JOURNALISM | 22 | 418 | 22 |
| MSc | COMPUTATIONAL BIOLOGY & BIOINFORMATICS | 12 | 44 | 4 |
| MA | ECONOMICS | 25 | 474 | 25 |
| MEd | EDUCATION | 35 | 360 | 26 |
| MSc | ENVIRONMENTAL SCIENCES | 12 | 810 | 12 |
| MSc | GEOLOGY | 12 | 251 | 12 |
| MlibSc | LIBRARY & INFORMATION SCIENCE | 22 | 164 | 18 |
| MA | LINGUISTICS | 20 | 165 | 7 |
| MA | MALAYALAM LANGUAGE AND | 18 | 382 | 18 |

| | | | | |
|-------------------|---|----|------|----|
| | LITERATURE | | | |
| MSc | MATHEMATICS | 28 | 908 | 25 |
| MA | MUSIC | 10 | 17 | 5 |
| MSc | OPTOELECTRONICS | 18 | 65 | 13 |
| MA | PHILOSOPHY | 24 | 133 | 2 |
| MSc | PHYSICS | 22 | 1221 | 22 |
| MSc | BOTANY- GENETICS AND PLANT BREEDING | 16 | 638 | 16 |
| MSc | BOTANY- BIODIVERSITY CONSERVATION | 10 | 298 | 10 |
| MCom | FINANCE | 32 | 849 | 32 |
| MCom | GLOBAL BUSINESS OPERATIONS | 20 | 180 | 20 |
| MSc | COMPUTER SCIENCE | 30 | 363 | 30 |
| Mtech | COMPUTER SCIENCE WITH SPECIALIZATION IN DIGITAL IMAGE COMPUTING | 18 | 78 | 18 |
| MSc | DEMOGRAPHY & BIOSTATISTICS | 15 | 85 | 12 |
| MSc | ACTUARIAL SCIENCE | 12 | 99 | 12 |
| MA | ISLAMIC HISTORY | 12 | 44 | 2 |
| MSc | STATISTICS | 18 | 642 | 18 |
| MSc | APPLIED STATISTICS & DATA ANALYSIS | 18 | 212 | 18 |
| MA | SOCIOLOGY | 24 | 371 | 20 |
| MSW | SOCIAL WORK | 33 | 1105 | 25 |
| MA | POLITICAL SCIENCE | 30 | 392 | 33 |
| MA | PUBLIC ADMINISTRATION | 10 | 280 | 13 |
| MA | TAMIL | 19 | 24 | 10 |
| MSc | ZOOLOGY | 12 | 901 | 12 |
| MA | GERMAN | 13 | 21 | 3 |
| MA | HINDI | 24 | 184 | 24 |
| MA | HISTORY | 24 | 428 | 24 |
| MBA | TOURISM | 45 | 555 | 40 |
| No file uploaded. | | | | |

2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

| Year | Number of students enrolled in the institution (UG) | Number of students enrolled in the institution (PG) | Number of fulltime teachers available in the institution teaching only UG courses | Number of fulltime teachers available in the institution teaching only PG courses | Number of teachers teaching both UG and PG courses |
|------|---|---|---|---|--|
| 2018 | 0 | 835 | 0 | 161 | 0 |

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

| Number of Teachers on Roll | Number of teachers using ICT (LMS, e-Resources) | ICT Tools and resources available | Number of ICT enabled Classrooms | Number of smart classrooms | E-resources and techniques used |
|----------------------------|---|-----------------------------------|----------------------------------|----------------------------|---------------------------------|
| 161 | 161 | 1 | 39 | 39 | 0 |

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Under the Credit and semester system, each teaching department nominates a mentor for students in each semester in a program of study. The mentor prepares a file containing details of students assigned and records all details regarding academic performance in end semester examination, continuous assessment, participation in induction, school programs, cultural activities etc. The mentor helps the students in addressing their problems and supporting them in academic activities by making necessary interventions. The scheme is adapted for the value additions to the students and the strategies envisaged can be broadly classified under three categories –

1. Departmental ? Creation of a better environment in the department, wherein students can approach teachers for both educational and personal guidance
 - Enhancement of knowledge base for both teachers and students alike, through effective twoway communication
 - Creating awareness of policies of the Department and professional expectations from students
 - Creating awareness of the roles of support staff and routine procedures
2. Personal
 - Bridging the gap between the teachers and students
 - Providing professional and personal guidance, on an individual basis
 - Devising methods to fine tune individual skills of students
3. Career Development
 - Awareness and support to students for higher education and employment
 - Motivation for higher studies and entrepreneurship
 - Advice and support for improvement in academic performance
 - Providing opportunities for attending professional meetings

Ongoing process:

- Regular meetings are held between mentor and mentee
- A report card is maintained for each student
- The report card has both personal and academic data
- Students are allowed to approach the mentor for both academic personal problems
- Personalized professional /career advice is given to the mentee

| Number of students enrolled in the institution | Number of fulltime teachers | Mentor : Mentee Ratio |
|--|-----------------------------|-----------------------|
| 1766 | 161 | 1:11 |

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

| No. of sanctioned positions | No. of filled positions | Vacant positions | Positions filled during the current year | No. of faculty with Ph.D |
|-----------------------------|-------------------------|------------------|--|--------------------------|
| 298 | 161 | 137 | 2 | 144 |

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

| Year of Award | Name of full time teachers receiving awards from state level, national level, international level | Designation | Name of the award, fellowship, received from Government or recognized bodies |
|---------------|---|-------------|--|
| 2018 | Dr. Meena T. Pillai | Professor | Fulbright Nehru |

| | | | |
|------|--------------------------|---------------------|---|
| | | | Academic Professional Excellence Award for Lecturing Research |
| 2018 | Dr. Bindu R L | Associate Professor | Best professor in Education studies |
| 2019 | Dr. Divya C Senan | Assistant Professor | Outreach Lecturing Fund Travel Award Institute of International Education, NY, USA |
| 2018 | Dr. V P Mahadevan Pillai | Professor | appointed as Vice Chancellor of University of Kerala |
| 2018 | Dr. Sankararaman | Professor | Member Board of Studies in Nanoscience and Nanotechnology, University of Calicut |
| 2019 | Dr. Tissy Mariam Thomas | Assistant Professor | Best Paper Award in Young Scholars Congress |
| 2019 | Dr. Mini S | Associate Professor | Dewang Mehta National Education Award (Best Professor in Biochemistry) |
| 2018 | Dr. Annie Abraham | Professor | Dewang Mehta National Education Award (Best Professor in Biochemistry) |
| 2018 | Dr. Divya C Senan | Assistant Professor | Outreach Lecturing Fund Travel Award Institute of International Education, NY, USA |
| 2019 | Dr. Manoj Chacko | Assistant Professor | Work Bank Trust Fun for Statistical Capacity Building to participate in the 62nd ISI World Statistics Congress, ,International Statistical Institute, The Netherlands |
| 2019 | Dr. T. S. Anirudhan | Professor | UGC BSR Faculty Research Fellowship |

2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

| Programme Name | Programme Code | Semester/ year | Last date of the last semester-end/ year-end examination | Date of declaration of results of semester-end/ year- end examination |
|-----------------|---------------------------------|----------------|--|---|
| MSc | AQUATIC BIOLOGY FISHERIES | 4 | 08/07/2019 | 17/08/2019 |
| MA | ARABIC | 4 | 08/07/2019 | 27/09/2019 |
| MA | ARCHAEOLOGY | 4 | 04/07/2019 | 18/07/2019 |
| MSc | ACTUARIAL SCIENCE | 4 | 08/07/2019 | 24/08/2019 |
| MSc | BIOCHEMISTRY | 4 | 10/07/2019 | 03/09/2019 |
| MSc | BIOTECHNOLOGY | 4 | 08/07/2019 | 21/08/2019 |
| MSc | GENETICS PLANT BREEDING | 4 | 08/07/2019 | 21/08/2019 |
| MSc | CHEMISTRY | 4 | 08/07/2019 | 27/08/2019 |
| MCom | FINANCE | 4 | 10/07/2019 | 01/08/2019 |
| MA (Journalism) | COMMUNICATION AND JOURNALISM | 4 | 10/07/2019 | 02/09/2019 |
| MSc | COMPUTER SCIENCE | 4 | 02/07/2019 | 16/08/2019 |
| MSc | COMPUTATIONAL BIOLOGY | 4 | 03/07/2019 | 17/08/2019 |
| MSc | DEMOGRAPHY | 4 | 08/07/2019 | 02/08/2019 |
| MA | ECONOMICS | 4 | 12/07/2019 | 16/08/2019 |
| MSc | ENVIRONMENTAL SCIENCES | 4 | 08/07/2019 | 19/08/2019 |
| MEd | EDUCATION | 4 | 15/07/2019 | 19/08/2019 |
| MSc | GEOLOGY | 4 | 12/07/2019 | 06/08/2019 |
| MA | GERMAN | 4 | 12/07/2019 | 06/08/2019 |
| MA | HINDI | 4 | 08/07/2019 | 16/08/2019 |
| MA | HISTORY | 4 | 10/07/2019 | 08/08/2019 |
| MA | ENGLISH LANGUAGE AND LITERATURE | 4 | 08/07/2019 | 19/08/2019 |
| MBA | TOURISM | 4 | 15/07/2019 | 18/09/2019 |
| MBA | GENERAL | 4 | 22/07/2019 | 18/09/2019 |
| MA | ISLAMIC HISTORY | 4 | 08/07/2019 | 26/07/2019 |
| MLibSc | LIBRARY INFORMATION SCIENCE | 4 | 08/07/2019 | 06/09/2019 |

| | | | | |
|-----|---------------------|---|------------|------------|
| MSc | INTEGRATIVE BIOLOGY | 4 | 04/07/2019 | 08/08/2019 |
| MA | LINGUISTICS | 4 | 10/07/2019 | 29/08/2019 |
| MA | MALAYALAM | 4 | 12/07/2019 | 17/08/2019 |
| MSc | MATHEMATICS | 4 | 10/07/2019 | 17/08/2019 |
| MA | MUSIC | 4 | 04/07/2019 | 16/08/2019 |
| MA | PHILOSOPHY | 4 | 10/07/2019 | 16/08/2019 |
| MSc | PHYSICS | 4 | 04/07/2019 | 27/07/2019 |
| MA | POLITICAL SCIENCE | 4 | 08/07/2019 | 03/08/2019 |
| MSc | PSYCHOLOGY | 4 | 08/07/2019 | 19/09/2019 |
| MA | SANSKRIT | 4 | 08/07/2019 | 31/08/2019 |
| MA | SOCIOLOGY | 4 | 10/07/2019 | 02/08/2019 |
| MSW | SOCIAL WORK | 4 | 15/07/2019 | 06/09/2019 |
| MSc | STATISTICS | 4 | 10/07/2019 | 29/08/2019 |
| MA | TAMIL | 4 | 10/07/2019 | 29/08/2019 |
| MSc | ZOOLOGY | 4 | 08/07/2019 | 30/08/2019 |

[View File](#)

2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

| Number of complaints or grievances about evaluation | Total number of students appeared in the examination | Percentage |
|---|--|------------|
| 12294 | 195809 | 6.28 |

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

<https://www.keralauniversity.ac.in/downs>

2.6.2 – Pass percentage of students

| Programme Code | Programme Name | Programme Specialization | Number of students appeared in the final year examination | Number of students passed in final year examination | Pass Percentage |
|----------------|----------------|-------------------------------|---|---|-----------------|
| 810 | MSc | Aquatic Biology and Fisheries | 11 | 11 | 100 |
| 811 | MA | Arabic | 13 | 12 | 92 |
| 812 | MA | Archaeology | 11 | 11 | 100 |
| 822 | MSc | Actuarial Science | 5 | 4 | 80 |
| 813 | MSc | Bio-Chemistry | 15 | 15 | 100 |
| 814 | MSc | Biotechnology | 11 | 11 | 100 |

| | | | | | |
|-----|--------------------|-------------------------------------|----|----|-----|
| 815 | MSc | Botany | 11 | 11 | 100 |
| 817 | MSc | Chemistry | 14 | 12 | 100 |
| 818 | MCom | Finance | 25 | 24 | 96 |
| 819 | MA (Journalism) | Communication And Journalism | 18 | 17 | 94 |
| 821 | MSc | Computer Science | 25 | 25 | 100 |
| 820 | MSc | Computational Biology | 8 | 8 | 100 |
| 823 | MSc | Demography | 4 | 4 | 100 |
| 824 | MA | Economics | 23 | 20 | 87 |
| 826 | MSc | Environmental Sciences | 11 | 10 | 91 |
| 825 | MEd | Education | 18 | 16 | 89 |
| 827 | MSc | Geology | 10 | 10 | 100 |
| 828 | MA | German | 3 | 3 | 100 |
| 829 | MA | Hindi | 18 | 17 | 94 |
| 830 | MA | History | 19 | 19 | 100 |
| 831 | MA | English Lang. & Litt. | 25 | 22 | 88 |
| 0 | MBA | General | 40 | 40 | 100 |
| 0 | MBA | Tourism | 17 | 17 | 100 |
| 832 | MA | Islamic Studies | 5 | 3 | 60 |
| 816 | MSc | Integrative Biology | 10 | 10 | 100 |
| 834 | MLibSc | Library & Information Science | 19 | 9 | 47 |
| 835 | MA | Linguistics | 9 | 9 | 100 |
| 836 | MA | Malayalam | 14 | 13 | 93 |
| 837 | MSc | Mathematics | 25 | 17 | 68 |
| 838 | MA | Music | 3 | 3 | 100 |
| 839 | MA | Philosophy | 9 | 7 | 78 |
| 840 | MSc | Physics | 18 | 18 | 100 |
| 841 | MA | Political Science | 23 | 20 | 87 |
| 842 | MSc | Psychology | 15 | 14 | 93 |
| 844 | MA | Sanskrit | 2 | 2 | 100 |
| 845 | MA | Sociology | 16 | 13 | 81 |
| 846 | MSW | Social work | 28 | 25 | 89 |
| 847 | MSc | Statistics | 15 | 14 | 93 |

| | | | | | |
|---------------------------|-------|------------------|----|----|-----|
| 848 | MA | Tamil | 13 | 12 | 92 |
| 849 | MSc | Zoology | 10 | 10 | 100 |
| 000 | Mtech | Future Studies | 12 | 12 | 100 |
| 000 | MSc | Opto electronics | 15 | 15 | 100 |
| View File | | | | | |

2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<https://iqac.keralauniversity.ac.in/studentAnnualAudit.php>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – Teachers awarded National/International fellowship for advanced studies/ research during the year

| Type | Name of the teacher awarded the fellowship | Name of the award | Date of award | Awarding agency |
|---------------------------|--|--|---------------|--|
| International | Dr. Meena T. Pillai | FulbrightNehru Academic Professional Excellence Award for Lecturing and Research | 10/06/2019 | USIEF United States India Educational Foundation |
| International | Dr. Salom Gnana Thanaga V | Association of Common Wealth Universities (ACU) Blue Charter Fellowship | 28/02/2019 | University of New Castle, Australia |
| International | Dr. Manoj Changat | Max Plank Guest Researcher Fellowship | 22/04/2019 | Max Plank Institute for Mathematics in the Science |
| International | Dr. Bushra Beegom RK | Shastri Canadian Fellowship | 14/01/2019 | Shastri Institute and Canadian Govt |
| View File | | | | |

3.1.2 – Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other fellows in the Institution enrolled during the year

| Name of Research fellowship | Duration of the fellowship | Funding Agency |
|-----------------------------|----------------------------|----------------|
| JRF (37) | 2 year | UGC |
| JRF (12) | 2 year | CSIR |
| SRF (5) | 3 year | UGC |
| University JRF (58) | 5 year | University |
| DST INSPIRE JRF (9) | 5 year | DST |

| | | |
|------------------------------|--------|---|
| KSCSTE JRF (6) | 5 year | KSCSTE |
| University PDF (13) | 1 year | University |
| DSK PDF (2) | 2 year | UGC |
| E Grants (5) | 5 year | Kerala state Govt. (SC/ST Development Department) |
| ICCR scholarship (1) | 5 year | ICCR |
| Moulana Azad Scholarship (3) | 5 year | UGC |
| View File | | |

3.2 – Resource Mobilization for Research

3.2.1 – Research funds sanctioned and received from various agencies, industry and other organisations

| Nature of the Project | Duration | Name of the funding agency | Total grant sanctioned | Amount received during the year |
|------------------------|----------|----------------------------|------------------------|---------------------------------|
| Major Projects | 3 | KSCSTE | 1847000 | 820200 |
| Major Projects | 3 | SERB | 1140000 | 0 |
| Major Projects | 3 | UGC | 826600 | 226000 |
| Major Projects | 5 | UGCSAP | 7700000 | 849946 |
| Major Projects | 3 | MoEFCC | 2800000 | 0 |
| Major Projects | 3 | DAEBRNS | 2719000 | 429000 |
| Major Projects | 3 | ISRO | 1851000 | 0 |
| Major Projects | 3 | SERB | 3120000 | 0 |
| Major Projects | 3 | KSCSTE SRS | 2230000 | 0 |
| Major Projects | 3 | KSCSTESARD | 3150000 | 0 |
| Major Projects | 2 | SERBNPDF | 1920000 | 820000 |
| Major Projects | 5 | UGC | 19200000 | 0 |
| Minor Projects | 2 | KSCSTE | 300000 | 150000 |
| International Projects | 3 | UGC | 6422000 | 3729000 |
| Major Projects | 5 | UGC | 11050000 | 720000 |
| Major Projects | 5 | UGC | 8400000 | 372000 |
| Major Projects | 3 | UGC | 5300000 | 848000 |
| Major Projects | 3 | UGC | 6000000 | 922000 |
| Major Projects | 3 | SPG | 5000000 | 3000000 |
| Minor Projects | 2 | SPG | 1000000 | 1000000 |
| Major Projects | 2 | SPG | 2500000 | 2500000 |
| Minor Projects | 2 | SPG | 1000000 | 1000000 |
| Major Projects | 3 | SPG | 5200000 | 1200000 |
| Major Projects | 2 | SPG | 3000000 | 3000000 |
| Minor Projects | 1 | SPG | 500000 | 500000 |
| Minor Projects | 2 | SPG | 900000 | 900000 |
| Minor Projects | 2 | SPG | 1000000 | 1000000 |

| | | | | |
|---------------------------|---|------|---------|---------|
| Major Projects | 2 | SPG | 2400000 | 2136000 |
| Major Projects | 3 | SPG | 3500000 | 2041387 |
| Major Projects | 3 | SPG | 5000000 | 5000000 |
| Any Other (Specify) | 3 | SERB | 660000 | 220000 |
| View File | | | | |

3.3 – Innovation Ecosystem

3.3.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

| Title of workshop/seminar | Name of the Dept. | Date |
|---|-------------------|------------|
| invited talk on "Intellectual Property Rights Patents" | Optoelectronics | 01/10/2018 |
| Three day National seminar on Postmodern Trends in Twenty first century Russian Literature. | Russian | 20/11/2018 |
| Literary Theories of Tolkappiyam | Tamil | 07/11/2018 |
| Critical Approaches on silappathikaram | Tamil | 13/12/2018 |
| International Workshop on Tamil Language and Computer Use | Tamil | 14/11/2018 |
| National Workshop on Teaching and Learning of Folklore | Tamil | 14/02/2019 |
| Research Methodology and Literary Theories | Tamil | 05/03/2019 |
| Workshop on Journalism and Mass Communication | Tamil | 04/02/2019 |
| National Workshop on Tamil Malayalam Manuscripts Learning and editing | Tamil | 18/03/2019 |
| National Workshop on Tamil Malayalam Manuscriptology - Siddha Medical Manuscripts | Tamil | 21/01/2019 |
| Tamil Literature and Inscription Text and Context | Tamil | 28/01/2019 |
| Panmuga Nokkil Tamil Ilakkiyam | Tamil | 27/03/2019 |
| RASATHANTHRA 2018 | Chemistry | 15/12/2018 |
| HEAM Parliamentarian 2018 | Chemistry | 31/10/2018 |

| | | |
|--|------------------------|------------|
| NACS 2018 | Chemistry | 11/10/2018 |
| National Workshop on Magnetic Resonance Spectroscopy and Imaging | Chemistry | 25/02/2019 |
| International seminar on recent biochemical approaches in therapeutics | Chemistry | 25/02/2019 |
| National Seminar on Advanced Functional Materials for Analytical, Energy, Environmental and Biomedical Applications | Chemistry | 25/03/2019 |
| Annual Interdisciplinary Academic Meet | Commerce | 21/03/2019 |
| One day National Seminar | Demography | 16/10/2018 |
| International conference on Environment jointly organised by Dept. of Malayalam, St. Xaviers College, Thumba, Trivandrum and Dept. of Env. Sciences, Univ. of Kerala | Environmental Sciences | 01/08/2018 |
| Invited Talk on Solid Waste Management by Er. M. Dileepkumar | Environmental Sciences | 21/08/2018 |
| Three days Soft Skill Training Programme for P.G Students | Environmental Sciences | 12/09/2018 |
| World Wild Day Observance | Environmental Sciences | 05/10/2018 |
| Inauguration of Amboori Village Adoption Programme | Environmental Sciences | 30/10/2018 |
| International Soil Day Observance | Environmental Sciences | 04/12/2018 |
| World Wetland Day Observance | Environmental Sciences | 31/01/2019 |
| Interaction with Eminent Scholar Lecture Series Prof. Takashi Asaeda, Saittama University, Japan | Environmental Sciences | 04/02/2019 |
| Workshop for UG syllabus revision in Env. Sciences course in the colleges affiliated to University of Kerala | Environmental Sciences | 11/02/2019 |
| IndoIsrael (UGCISF) two days International Workshop on "Ecosystem | Environmental Sciences | 25/02/2019 |

| | | |
|---|------------------------|------------|
| service Assessment for the Sustainable Management of Ashtamudi and Sasthamkotta wetlands of Kerala" | | |
| Research Methods in Earth and Environmental Science | Environmental Sciences | 08/03/2019 |
| Coordinated Erudite Scholarinresidence programme of Dr.Eric Wolanski, Adjunct Professor, James Cook University, Australia funded by Kerala Higher Education Council | Environmental Sciences | 13/03/2019 |
| Organized three days National Seminar on "Environmental Status of Estuarine and Coastal Ecosystems in India" (Regional meeting of Estuarine and Coastal Sciences Association) | Environmental Sciences | 14/03/2019 |
| International Biodiversity Day Observance | Environmental Sciences | 22/05/2019 |
| World Environment Day Observance | Environmental Sciences | 05/06/2019 |
| National Workshop on Experiential Learning with Indian Educators on Marine Debris and its Management (NEIEM2019) | Environmental Sciences | 11/06/2019 |
| International Yoga Day Observance | Environmental Sciences | 21/06/2019 |
| Panel Discussion on Disaster Management with Dr. Grover from Washington University | Environmental Sciences | 24/06/2019 |
| Idea Day for identifying ideas/innovation with the possibility for startups | Future studies | 26/04/2019 |
| View File | | |

3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

| Title of the innovation | Name of Awardee | Awarding Agency | Date of award | Category |
|--|-----------------|---|---------------|----------|
| Non enzymatic sensing of propofol using fluorescent nitrogen doped carbon dots | Jayakrishna J. | International seminar on supra and nanochemistry of bioactive molecules | 20/08/2019 | M.Phil |

| | | | | |
|--|--------------------|---|------------|------------------|
| "Adhesive Device Encapsulated with Gold Nanoparticle for on Demand Transdermal Delivery of Hydrophilic Molecules" (Best Paper Award) | Syam S. Nair | International seminar on recent biochemical approaches in therapeutics: RBATIV | 29/11/2018 | Research Scholar |
| "Synthesis and characterization of a novel composite matrix based on polymeric micelle and nano hydrogel as a drug carrier for the controlled release of multi drugs" (Best Paper Award) | Suriya R. | Department of Chemistry, University of Kerala, Thiruvananthapuram, in association with Kerala State Council for Science, Technology and Environment, Thiruvananthapuram | 12/10/2018 | M.Phil |
| "Layered double hydroxide functionalized gold nanoparticles with dual responsive drug release for synergistic targeted chemopreventive therapy of breast cancer" Best Poster Award ACS Publication Certificate). | Chithra Sekhar V. | UGC, SERB INDIA, Royal Society Of Chemistry, ACS, KSCSTE, Organized by Research and PG Dept. of Chemistry, St. Thomas College | 21/12/2018 | Research Scholar |
| Best Poster Presentation | Ramya R | IASP | 27/11/2018 | Research Scholar |
| Teacher Best paper award | Dr.Hepsy Rose Mary | SVASH Trivandrum | 25/08/2018 | Teacher |
| Distinguished Faculty Award | Dr.P.Jeyakrishnan | Venus International Foundation Chennai | 18/09/2018 | Teacher |
| Best Research Advisor | Dr.P.Jeyakrishnan | Indian Academic Researchs Association Trichirap | 29/10/2018 | Teacher |

| | | | | |
|---|--|---|------------|------------------|
| | | ali | | |
| Tamil Semmal Award | Dr.P.Jeyakrishnan | SVASH Trivandrum | 25/08/2018 | Teacher |
| 'Aaivu kalaimani' award | Dr.T. Vijayalakshmi | Kalayarasar kalai Tamil Sangam,Namakal | 13/11/2018 | Teacher |
| Saathanayaalar award | Dr.T. Vijayalakshmi | Poovarasi Trust, Chennai | 05/02/2019 | Teacher |
| Best Women award for Literature | Dr. A.Percilla | Public library, Govt of Tamil Nadu | 11/04/2019 | Teacher |
| NA Karim Award for the Best University Teacher 2018 | Dr. Meena T. Pillai | NA Karim Award | 28/11/2018 | Teacher |
| Trees of Kerala RajBhavanIndias Firest raj Bhavan with Digital garden | Dr A Gangaprasad and Akhilesh S V Nair | Appreciation letter from Hon. Kerala Governer | 26/03/2019 | Research Scholar |
| Photocatalyst for hydrogen energy (Three Minute Thesis Competition) (First Prize: University level/Department level/School level) | M. Ameen Sha | IQAC, University of Kerala | 28/02/2019 | Research scholar |
| View File | | | | |

3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

| Incubation Center | Name | Sponsered By | Name of the Start-up | Nature of Start-up | Date of Commencement |
|-------------------|------------------|---|----------------------|---|----------------------|
| NA | Waggle lab | Dept. of Future studies | Waggle lab | Research oriented academic start up | 19/03/2018 |
| NA | ITI Technologies | Dept. of Future studies | ITI Technologies | Develop softwares, mobile applications, digital marketing | 17/05/2019 |
| NA | Pegasus Events | Dept. of Future Studies | Pegasus Events | NA | 12/11/2018 |
| NA | MaD Analytics | Dept. of Computational Biology and Bioinformatics | MaD Analytics | NA | 10/01/2019 |

| | | | | | |
|---------------------------|----------------|---|----------------|----|------------|
| NA | DNA's Biocules | Dept. of Computational Biology and Bioinformatics | DNA's Biocules | NA | 12/07/2018 |
| NA | Frink Labs | University college of Engineering | Frink Labs | NA | 29/01/2019 |
| View File | | | | | |

3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

| Name of the Department | Number of PhD's Awarded |
|---------------------------|-------------------------|
| Computational Biology | 4 |
| Computer Science | 2 |
| Demography | 1 |
| Economics | 4 |
| Future studies | 7 |
| Geology | 3 |
| History | 7 |
| Institute of Management | 14 |
| Islamic Studies | 2 |
| Law | 6 |
| Music | 2 |
| Nanoscience | 3 |
| Optoelectronics | 9 |
| English | 10 |
| Environmental Sciences | 6 |
| Aquatic Biology Fisheries | 9 |
| Arabic | 4 |
| Botony | 9 |
| Chemistry | 11 |
| Commerce | 5 |
| Philosophy | 1 |
| Physics | 2 |
| Political Science | 2 |
| Psychology | 11 |
| Russian | 2 |
| Sanskrit | 2 |
| Sociology | 4 |
| Statistics | 4 |
| Tamil | 3 |

3.4.2 – Research Publications in the Journals notified on UGC website during the year

| Type | Department | Number of Publication | Average Impact Factor (if any) |
|---------------|-----------------------------------|-----------------------|--------------------------------|
| International | Geology | 11 | 2.96 |
| International | Management | 11 | 4.5 |
| National | Management | 1 | 6.05 |
| International | Islamic Studies | 3 | 0 |
| International | Mathematics | 4 | 0 |
| National | Mathematics | 2 | 0 |
| National | Philosophy | 1 | 0 |
| International | Philosophy | 2 | 0 |
| International | Physics | 13 | 3.58 |
| National | Physics | 1 | 0 |
| National | Mass Communication and Journalism | 4 | 0 |
| National | Arabic | 4 | 1.2 |
| National | Botany | 28 | 6.47 |
| International | Botany | 34 | 6.3 |
| International | Chemistry | 51 | 3.05 |
| National | Commerce | 4 | 0 |
| International | Commerce | 12 | 0 |
| National | Computational Biology | 3 | 1.3 |
| International | Computational Biology | 9 | 1.87 |
| International | Computer science | 2 | 0 |
| National | Library Science | 8 | 0 |
| International | Library Science | 4 | 0 |
| National | Economics | 12 | 0 |
| National | Statistics | 10 | 0 |
| International | Statistics | 14 | 0.96 |
| National | Tamil | 26 | 1.2 |
| National | Zoology | 3 | 0 |
| International | Zoology | 5 | 0 |
| International | Economics | 7 | 0 |
| International | English | 2 | 0 |
| International | Political Science | 2 | 0 |
| National | Psychology | 4 | 0 |
| International | Psychology | 7 | 0 |
| National | Russian | 2 | 0 |

| | | | |
|---------------------------|----------------|---|------|
| National | Sociology | 5 | 0 |
| International | Sociology | 1 | 0 |
| International | Future studies | 8 | 1.63 |
| National | Future studies | 3 | .87 |
| National | Geology | 6 | 0 |
| View File | | | |

3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

| Department | Number of Publication |
|---------------------------|-----------------------|
| English | 2 |
| Future studies | 6 |
| Geology | 3 |
| Hindi | 1 |
| Nanoscience | 13 |
| Optoelectronics | 16 |
| Philosophy | 1 |
| Political Science | 4 |
| Psychology | 2 |
| Sociology | 4 |
| Tamil | 14 |
| Zoology | 2 |
| Biotechnology | 2 |
| Commerce | 2 |
| Computational Biology | 22 |
| Computer science | 2 |
| Library Science | 8 |
| Economics | 7 |
| View File | |

3.4.4 – Patents published/awarded/applied during the year

| Patent Details | Patent status | Patent Number | Date of Award |
|--|---------------|---------------|---------------|
| Bio inspired Controller for Finding Disjoint Paths in Software Defined Networks" | Published | 2018410172 | 12/10/2018 |
| Association Rule Mining Using Treap | Published | L 77279/20 | 13/08/2018 |
| System and method for continuous wave low power laser based synthesis of metal nanoparticles | Filed | 2019410292 | 19/07/2019 |

| | | | |
|--|-------|------------|------------|
| An optimized machine learning model for lower height wind measuring hardware mast to forecast wind | Filed | 2019410121 | 28/03/2019 |
|--|-------|------------|------------|

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3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

| Title of the Paper | Name of Author | Title of journal | Year of publication | Citation Index | Institutional affiliation as mentioned in the publication | Number of citations excluding self citation |
|---|--|--|---------------------|----------------|---|---|
| Deep sequencing identified potential miRNAs involved in defense response, stress and plant growth characteristics of wild genotypes of cardamom | Nadiya F., N. Anjali, J. Thomas, A. Gangaprasad and K. K. Sabu | Plant Biology | 2018 | 0 | Department of Botany | 0 |
| Elicitor mediated adventitious root culture for the largescale production of anthraquinones from Oldenlandia umbellata L | Saranyakrishnan, S.R and Siril, E.A. | Industrial Crops Products | 2018 | 0 | Department of Botany | 0 |
| An improved micropropagation and ex vitro rooting of a commercially important crop Henna (Lawsonia | Shiji PC and E.A. Siril | Physiology Molecular Biology of Plants | 2018 | 0 | Department of Botany | 0 |

| | | | | | | |
|---|---|---|------|---|----------------------|---|
| inermis L.). | | | | | | |
| Elite screening and in vitro propagation of <i>Tinospora cordifolia</i> (Willd.) Miers ex Hook F. Thoms. Proc. Natl. Acad. Sci., India, Sect. B Biol. Sci | Sruthy K. Pillai and Siril, E.A. | Springer Publication | 2018 | 0 | Department of Botany | 0 |
| Evaluation of pharmacognostic and phytochemical profile of <i>Neurocalyx calycinus</i> (R. Br. ex Benn.) Rob. leaves a lesser known ethnomedicinal plant from Western Ghats, India. | Aneeshkumar AL, Siril E.A. Suja SR and Rajasekharan S | Journal of Traditional and Folk Practices | 2018 | 0 | Department of Botany | 0 |
| Assessment of different pretreatments to breakage dormancy and improve the seed germination in <i>Elaeocarpus serratus</i> L. - an underutilized multipurpose fruit | Raji R. and Siril, E.A | Forest Science And Technology | 2018 | 0 | Department of Botany | 0 |

| | | | | | | |
|--|----------------------------------|---|------|---|----------------------|---|
| tree from South India. | | | | | | |
| Polyembryony in Psop hocarpus tetragonolobus (L.) DC. from Kerala, India. | Kamal Kumar V and Rajalakshmi R, | Current Science | 2018 | 0 | Department of Botany | 0 |
| Pharmacognostical evaluation of curry leaf (Murraya koenigii) | Aju B Y, Rajalakshmi R and Minis | Journal of Pharmacognosy and Phytochemistry | 2018 | 0 | Department of Botany | 0 |
| Extraction and characterization of mucilage from the leaves of Hibiscus rosa sinensis Linn. (Malvaceae) | Vignesh RM and Bindu R.N | International Journal of Pharmaceutical Sciences and research | 2018 | 0 | Department of Botany | 0 |
| Development and characterization of mucilage from the leaves of Hibiscus rosa sinensis Linn. (Malvaceae) | Vignesh RM and Bindu R.N | IJCRT | 2018 | 0 | Department of Botany | 0 |
| A study on the antioxidant and antibacterial potential of the mucilage isolated from Hibiscus rosa sinensis Linn. (Mal | Vignesh RM and Bindu R.N | Journal of Pharmacognosy and Phytochemistry | 2018 | 0 | Department of Botany | 0 |

| | | | | | | |
|---|---|---|------|---|-------------------------|---|
| vaceae) | | | | | | |
| Molecular docking studies using sinigrin and Tamoxifen | Lakshmi S.Pillai and Bindu R.N | Journal of Pharmacognosy and Phytochemistry | 2018 | 0 | Department of Botany | 0 |
| Temperature and ultrasound sensitive gatekeepers for the controlled release of chemotherapeutic drugs from mesoporous silica Nanoparticles | T. S. Anirudhan, Anoop S. Nair, | Journal of Material Chemistry B | 2018 | 0 | Department of chemistry | 0 |
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| Impaired Insulin Resistance in IF1Deficient Mice Subjected to a HighFat Diet with ReducedFat Mass and Skeletal Muscle Lipid Accumulation. | Huang F, Yang K, Saja K, Huang Y, Long Q, Yoshida M and Yang Q. | Diabetes | 2018 | 0 | Department of Biochemistry | 0 |
| Antiinflammatory and anticancer activities of erythrodiol 3acetate and 2,4ditertbutylphenol isolated from Humboldtia unijuga | Nair RVR, Jayasree DV, Biju PG, Baby S | Natural Product Research. | 2018 | 0 | Department of Biochemistry | 0 |
| Nutritional Evaluation of Plectranthus rotundifolius Tubers | VJ. Devi, AV. Aswathy and PG Biju | Trends in Biosciences | 2018 | 0 | Department of Biochemistry | 0 |
| In vitro Phytochemical Screening and Free Radical Scavenging Activity of Extracts of Mollugo cervian | Robina Antony and PG Biju | Trends in Biosciences | 2018 | 0 | Department of Biochemistry | 0 |
| Antibacterial and Antibiofilm Assay of Methanolic Extract of Mollugo Pentaphylla | R. Jijin and PG Biju | Trends in Biosciences | 2018 | 0 | Department of Biochemistry | 0 |

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|---|--|---|------|---|----------------------------|---|
| Linn | | | | | | |
| In vitro Cytotoxicity Evaluation of Methanolic Extract of Catharanthus roseus Linn | Shijina Beegum and PG Biju | Trends in Biosciences | 2018 | 0 | Department of Biochemistry | 0 |
| All trans retinoic acid modulates TNF α and CYP2E1 pathways and enhances regression of ethanol induced fibrosis markers in hepatocytes and HSCs in abstaining rodent model | Priyanka SH, Syam Das S, Nair SS, Rauf AA, Indira M | The journal of metabolic Disease | 2018 | 0 | Department of Biochemistry | 0 |
| All Trans Retinoic Acid Attenuates Markers of Neuroinflammation in Rat Brain by Modulation of SIRT1 and NF κ B | S. H. Priyanka, S. Syam Das, A. J. Thushara, Arun A. Rauf, M. Indira | Neurochemical Research | 2018 | 0 | Department of Biochemistry | 0 |
| Phytochemical incorporated drug delivery scaffolds for tissue regeneration | Josna Joseph, Rebu Sundar, Annie John and Annie Abraham | Regenerative Engineering and Translational Medicine | 2018 | 0 | Department of Biochemistry | 0 |
| Osseointegration of osteoporotic bone | Sunitha Chandran and Annie John | Journal of Clinical Orthopedics Trauma | 2018 | 0 | Department of Biochemistry | 0 |

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|---|--|---|------|---|-------------------------|---|
| implants: role of stem cells, Silica and Strontium a concise review | | | | | | |
| Isolation and Charac terisation of quercetin from Bidens biternata (Lour.) Merr. and Sheriff - an ethno medicinal plant of Kerala | Pradeesh S. and Swapna T S | Science Chronicle | 2018 | 0 | Department of Botany | 0 |
| In vitro root induction an improved system for production and elicit ation of colchicine from Gloriosa superba L | T S Swapna and G S Nikhila (| Indian Journal of Experiment al Biology | 2018 | 0 | Department of Botany | 0 |
| Antioxidan t activity in leaves of Sesbania g randiflora (L.) Pers | Pradeesh S and Swapna T. S | Asian Journal of Pharmaceut ical and Clinical Research | 2018 | 0 | Department of Botany | 0 |
| Phytochemi cal Profiling and the An tibacteria l Potential of Smilax wightii A.DC. Against Selected 1032 Human | Athira V Anand and T. S. Swapna | Trends in Bioscience s | 2018 | 0 | Department of Botany | 0 |

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|--|---|-----------------------|------|---|----------------------|---|
| Pathogenic Bacteria | | | | | | |
| Protein Profiling Alteration in Response to Heavy Metal Accumulation in <i>Alternanthera sessilis</i> 1038 R Br. With Special Reference to Metallothionein | M. Devi Chinmayee, G. Sangeetha, G.S. Nikhila, I. Mini, and T.S. Swapna | Trends in Biosciences | 2018 | 0 | Department of Botany | 0 |
| Anticancerous Potential of In vivo and In vitro Developed Roots of <i>Pseuderthria viscida</i> (L.) 1320 Wight Arn | Sangeetha G. and Swapna T. S | Trends in Biosciences | 2018 | 0 | Department of Botany | 0 |
| Partial Genomic Sequencing of Phytochelatins Involved in Heavy Metal Tolerance of <i>Amaranthus Spinosa</i> L | Mary Sheeba A, Mahesh B, Remakanthana A, Swapna T S and Mini I | Trends in Biosciences | 2018 | 0 | Department of Botany | 0 |
| Anticancer potential of <i>Bidens biternata</i> (Lour.) Merr. Sheriff - An Ethnomedicinal Plant of 1394 Wayanadu District | Pradeesh S and Swapna T. S | Trends in Biosciences | 2018 | 0 | Department of Botany | 0 |

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|--|---|--|------|---|----------------------|---|
| of Kerala | | | | | | |
| Preliminary Analysis of Nutritional factors in the Rhizome of <i>Anaphyllum wightii</i> Schott | Lekshmi. S and T.S. Swapna | Trends in Biosciences | 2018 | 0 | Department of Botany | 0 |
| Expression of Leptospira membrane proteins Signal Peptidase (SP) and Leptospira Endostatin like A (Len A) in BL21(DE3) is toxic to the host cells | Satheeshkumar P.K., P. V. Anu, M. I. Junaida, M.G. Madanan, T. Jebasingh, A.J. Nair, Gangaprasad A., G.M. Nair, P.R. Sudhakaran | Journal of Genetic Engineering and Biotechnology | 2018 | 0 | Department of Botany | 0 |
| Effect of Nodal Position and Seasonal Variation on In Vitro Regeneration of <i>Gynochthodes ridsdalei</i> Razafim. B. Bremer an Endangered Medicinal Plant Species of Southern Western Ghats | Renji R. Nair and A. Gangaprasad | Trends in Biosciences | 2018 | 0 | Department of Botany | 0 |
| Accurate Selection of Reference Genes for the Normalization of | Anuja T.J., Hareesh.P.S., Gangaprasad, A. Jayakumaran Nair, P. | Trends in Biosciences | 2018 | 0 | Department of Botany | 0 |

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|--|--|---|------|---|----------------------|---|
| Gene Expression Analysis by 1604 Real Time PCR during Organogenesis in <i>Nicotiana tabacum</i> L | R. Sudhakaran and G. M. Nair | | | | | |
| Adventitious Shoot Regeneration from in vitro Leaf Explants of <i>Ophiorrhiza mungos</i> L. var. <i>angustifolia</i> (Thw.) Hook. F. | Jeeja Jaya Krishnan, Gangaprasad A. and Satheeshkumar K. | International Journal of Agriculture, Environment and Biotechnology | 2018 | 0 | Department of Botany | 0 |
| Genomewide differential expression profiling in wild and cultivar genotypes of cardamom reveals regulation of key pathways in plant growth and development | Nadiya F., N. Anjali, Jinu Thomas, A. Gangaprasad and K. K. Sabu | Agri Gene. Elsevier | 2018 | 0 | Department of Botany | 0 |
| Adventitious Root Derived Callus Culture and Anthraquinone Production in <i>Gynochthodes umbellata</i> (L.) Razafim. B. Bremer (Rubiaceae) | Arun R. Pillai and Gangaprasad A | Asian Journal of Plant Science and Research | 2018 | 0 | Department of Botany | 0 |

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|--|--|---------------------------|------|---|----------------------|---|
|) | | | | | | |
| Genomewide differential expression profiling in wild and cultivar genotypes of cardamom reveals regulation of key pathways in plant growth and development | Nadiya F., N. Anjali, Jinu Thomas, A. Gangaprasad and K. K. Sabu | Agri Gene. Elsevier | 2018 | 0 | Department of Botany | 0 |
| GCMS analysis of root methanolic extract of <i>Gynochthodes ridsdalei</i> Razafim. and B. Bremer, an endemic, endangered species of southern Western Ghats of India. | Renji R. Nair and A. Gangaprasad | Plant Science Today | 2018 | 0 | Department of Botany | 0 |
| In vitro mass multiplication and estimation of camptothecin (CPT) in <i>Ophiorrhiza mungos</i> L. var. <i>angustifolia</i> (Thw.) Hook. f | Jeeja Jaya Krishnana, A. Gangaprasad, K. S. atheeshkumar | Industrial Crops Products | 2018 | 0 | Department of Botany | 0 |
| Exogenous methyl jasmonate acts as a | Jeeja Jaya Krishnana, A. Gangaprasad, K. S | Industrial Crops Products | 2018 | 0 | Department of Botany | 0 |

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|--|---|--|------|---|----------------------|---|
| signal transducer in the enhancement of camptothecin (CPT) production from in vitro cultures of <i>Ophiorrhiza mungos</i> L. var. <i>angustifolia</i> (Thw.) Hook. f. | atheeshkumar | | | | | |
| Regulation of microRNAs during biotic and abiotic stress | Irin Kurikesu, Anuja T.J, A. Gangaprasad, and A. Jayakumar Nair | Bulletin of Pure and Applied Sciences | 2018 | 0 | Department of Botany | 0 |
| Phytochemical analysis, antioxidant and antimicrobial activity of wild and in vitro derived plants of <i>Ceropegia thwaitesii</i> Hook - an endemic species from Western Ghats | S. Muthukrishnan, T. Senthil Kumar, A. Gangaprasad, F. Maggi, M.V. Rao | Journal of Genetic Engineering and Biotechnology | 2018 | 0 | Department of Botany | 0 |
| Differential expression of microRNAs that target genes involved in apoptotic UPR signaling | Parvathy Jayachandran, Linda Koshy, P. R. Sudhakaran, G. M. Nair, A. Gangaprasad, A. Jayakumar Nair | Research J. Life Science, Bioinformatics, Pharmaceutical and Chemical Sciences | 2018 | 0 | Department of Botany | 0 |

pathway in neurons

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3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

| Title of the Paper | Name of Author | Title of journal | Year of publication | h-index | Number of citations excluding self citation | Institutional affiliation as mentioned in the publication |
|---|--|---|---------------------|---------|---|---|
| Nutrient characteristics of ground water sources in the vicinity of coir retting areas in Kadinankulam estuary, South India. | Sonu Sasidharan and Jaya D.S. | Trends in Biosciences | 2018 | 1 | 0 | Department of Environmental science University of Kerala |
| Effects of water quality on mangrooves in an urban lake system. | Moses, S.A., , Jaya D.S., Navami, S.S and Baiju K.V. | Lakes and Reserv., | 2018 | 1 | 0 | Department of Environmental science University of Kerala |
| Occurrence and microbial degradation of fipronil residues in tropical highland rhizosphere soils of Kerala, India. Soil and Sediment Contamination. | Keerthi.A. T., Subburamu Karthikeyan and Salom Gnana Thanga.V. | Soil and Sediment Contamination on Taylor Francis | 2019 | 3 | 0 | Department of Environmental science University of Kerala |
| Denitrification rates in estuarine sediments of Ashtamudi, | Junaid Hassan Salahudeen, R.R.Reshmi, K.Anoop Krishnan, M.S.Ragi | Environmental Monitoring and Assessment Springer | 2018 | 3 | 0 | Department of Environmental science University of Kerala |

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|--|--|---|------|----|---|---|
| Kerala, India. Environmental Monitoring and Assessment | and Salom Gnana Thanga Vincent. | | | | | |
| A baseline study on the concentration of trace elements in the surface sediments off Southwest coast of Tamil Nadu, India. | Prince S. Godson, N. S.Magesh, T.Simon Peter, N.Chandrasekhar, S. Krishnakumar and Salom Gnana Thanga Vincent. | Marine Pollution Bulletin. Elsevier | 2018 | 3 | 0 | Department of Environmental science University of Kerala |
| Occurrence and activity of sulphate reducing bacteria in selected estuarine sediments of South Kerala, India. | Salom Gnana Thanga Vincent and Rohini Raj. | International Journal of Ecology and Environmental Sciences | 2018 | 3 | 0 | Department of Environmental science University of Kerala |
| Assessment of Uranium in the Groundwater along NeendakaraKaya mkulam Belt, Southwest Coast of India | Anitha, J.K and Sabu Joseph | Ecology, Environment and Conservation | 2019 | 11 | 0 | Department of Environmental science University of Kerala |
| Recreation and environmental quality of tropical wetlands: A social media based spatial | Michael Slinger, Andrea Germandi, Sheela A Mosses, Sabu Joseph | Tourism Management | 2018 | 11 | 0 | Department of Environmental science University of Kerala Department of Environmental science |

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|--|---|--|------|----|---|--|
| analysis. | | | | | | University of Kerala |
| Mechanisms controlling seasonal hydrochemistry of Vamanapuram river basin, Kerala, India | Vinod Gopal V, Dhanya, G and Sabu Joseph | Eco Chronicle | 2018 | 11 | 0 | Department of Environmental science University of Kerala |
| Estimation of soil erosion in a rain shadow river basin in the southern Western Ghats, India using RUSLE and transport limited sediment delivery function. | Jobin Thomas, Sabu Joseph K. P. Thirivikramji | International Soil and Water Conservation Research | 2018 | 11 | 0 | Department of Environmental science University of Kerala |
| Assessment of soil erosion in a tropical mountain river basin of southern Western Ghats, India using RUSLE and GIS | Jobin Thomas, Sabu Joseph K. P. Thirivikramji | Geoscience Frontiers | 2018 | 11 | 0 | Department of Environmental science University of Kerala |
| Assessment of soil erosion in a monsoon dominated mountain river basin in India using RUSLESDR | Jobin Thomas, Sabu Joseph K. P. Thirivikramji | Hydrological Sciences Journal | 2018 | 11 | 0 | Department of Environmental science University of Kerala |

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|---|--|--|------|-----|---|--|
| and AHP | | | | | | |
| The use of Fish Biomarkers for Assessing Textile Effluent Contamination of Aquatic Ecosystems: A Review. | N. Athira and D. S. Jaya | Nature, Environment and Pollution Technology | 2018 | 1 | 0 | Department of Environmental science University of Kerala |
| Assessment of socioenvironmental and health status of residents near valiathura sewage farm in Thiruvananthapuram district. | Jainy Varghese and D.S.Jaya | Ind. Jour. Env. Protect. | 2018 | 1 | 0 | Department of Environmental science University of Kerala |
| Ruthenium(II) Arene NSAID Complexes: Inhibition of Cyclooxygenase and Antiproliferative Activity Against Cancer Cell Lines | Poulami M. Krishna PB., Nagaraja CM., Vidya Sabu, Helen A., and Suman Mukhopadhyay | Dalton Transactions | 2018 | 155 | 0 | Department of Biochemistry |

[View File](#)

3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

| Number of Faculty | International | National | State | Local |
|-----------------------------|---------------|----------|-------|-------|
| Attended/Seminars/Workshops | 139 | 349 | 51 | 2 |
| Presented papers | 251 | 383 | 62 | 4 |
| Resource persons | 52 | 178 | 75 | 7 |

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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

| Name of the Consultan(s) department | Name of consultancy project | Consulting/Sponsoring Agency | Revenue generated (amount in rupees) |
|---------------------------------------|--|---|--------------------------------------|
| Psychology | Training programme for community counsellors | Kudumbashree, State Poverty Eradication Mission | 66268 |
| Chemistry | Joint research agreement between Tata Steel Ltd Jameshedpur University of Kerala | Tata Steel Ltd Jameshedpur | 1100000 |
| Chemistry | to act as a mentor in trouble shooting the process of electroless copper plating at Dept of Chemistry for a small scale industry Techtronics | Techtronics, small scale industry based at Trivandrum | 0 |
| Computational Biology Bio informatics | Routine Consultancy in areas of Computational Biology and Drug docking | NA | 0 |
| Futures Studies | River bank mapping and sand auditing of Gayathri puzha, Palakkad | Revenue Dept, Govt of Kerala | 11000 |
| Futures Studies | River bank mapping and sand auditing of flood affected Pamba river | Revenue Dept, Govt of Kerala | 14000 |
| German | Departmental consultancy for translational interpretation from German to English and vice versa | NA | 0 |
| Geology | River bank mapping and sand auditing of Mogral river, Kasargod | Revenue Dept, Govt of Kerala | 11000 |
| Political Science | Individual consultancy for the project titled Mood of the nation study in relation to the Loksabha Election 2018 in Flowers Television channel | Flowers Television channel | 150000 |
| Psychology | A model for support and societal | Director of Women Child | 816914 |

| | | | |
|---------------------------|--|---|---------|
| | reintegration of young girls in Kerala project | Development, Govt of Kerala | |
| Russian | Departmental consultancy for translational interpretation from Russian to English and vice versa | NA | 0 |
| Arabic | Departmental consultancy for translational interpretation from Arabic to English and vice versa | NA | 7454 |
| Aquatic Biology Fisheries | Individual consultancy for the project of Kerala State Biodiversity Board(KSBB/)) | Kerala State Biodiversity Board(KSBB) | 1000000 |
| Aquatic Biology Fisheries | Marine Ecological studies for Adani Vizhinjam Port | Adani Vizhinjam Port, Pvt Ltd, Trivandrum | 2129900 |
| View File | | | |

3.5.2 – Revenue generated from Corporate Training by the institution during the year

| Name of the Consultan(s) department | Title of the programme | Agency seeking / training | Revenue generated (amount in rupees) | Number of trainees |
|-------------------------------------|------------------------|---------------------------|--------------------------------------|--------------------|
| NA | NA | NA | 0 | 0 |
| No file uploaded. | | | | |

3.6 – Extension Activities

3.6.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

| Title of the activities | Organising unit/agency/ collaborating agency | Number of teachers participated in such activities | Number of students participated in such activities |
|-------------------------|--|--|--|
| Workshops/Seminars | Vakkom Moulavi Foundation and Kanthari | 2 | 40 |
| HEAM Parliamentarian | IAHEAM, Trivandrum ONGC Energy centre, Mumbai MANIT, Bhopal Dept. of Chemistry, University of Kerala, Kariavattom St. John's college, Anchal, Kollam, Kerala | 2 | 50 |
| RASATHANTHRA | IAHEAM, Trivandrum ONGC Energy centre, | 2 | 50 |

| | | | |
|---|---|---|----|
| | Mumbai MANIT, Bhopal Dept. of Chemistry, University of Kerala, Kariavattom | | |
| creation and marketing of tribal medicine with Padmasree . Lakshmikuttiyamma at Mottamoodu | Department of commerce, University of kerala | 2 | 50 |
| DAY WITH GOVERNMENT TRIBAL HIGH SCHOOL, IDINJAR | Department of computer science | 2 | 20 |
| WORLD ENVIRONMENT DAY 2019 | COSSA | 3 | 50 |
| Community Outreach activities | Corporation of Thiruvananthapuram | 2 | 40 |
| Open house programme for Public, College and School students | Department of Environmental Sciences in connection with Sastrayan Programme | 3 | 30 |
| Village adoption programme | Department of Environmental Sciences | 3 | 50 |
| Flood relief | NSS and Dept. of Hindi | 3 | 15 |
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3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

| Name of the activity | Award/Recognition | Awarding Bodies | Number of students Benefited |
|---|-----------------------------------|---|------------------------------|
| International Conference on Current immunological tool for biodiversity and status of Environment Health (Dr. Prince S. Godson) | Best Oral presentation award | Annamalai University, Chidambaram, Tamil Nadu | 1 |
| International conference ECSA 57 Changing Estuaries, Coasts and Shelf Systems Diverse Threats and Opportunities (Dr. Prince S. Godson) | Best Poster presentation award | Estuarine and Coastal Science Association (ECSA), Perth, Australia | 1 |
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3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

| Name of the scheme | Organising unit/Agency/collaborating agency | Name of the activity | Number of teachers participated in such activities | Number of students participated in such activities |
|---|---|--|--|--|
| Inauguration and Formation of Health Club | Dept. of Zoology | Invited talks and Cancer Awareness Programmes | 5 | 60 |
| Volunteer service | Govt. of Kerala | Flood relief | 2 | 25 |
| DCB Outreach | DCB | Science Day Celebration | 5 | 20 |
| SwachhBharat | Dept. of English | World Environment Day Celebrations | 4 | 39 |
| Gender Issue | Dept. of English | One Day National Seminar held on "The Recent Supreme Court Verdicts: Decoding Laws, Refashioning Self." | 3 | 28 |
| Orientation Programme | Dept. of English | Talk on "Know Your Rights on Campus" for Semester I (2019 20) Girl Students of the University Departments in Kariyavattom. | 3 | 199 |
| Swachh Bharat | Dept. of English | World Environment Day Celebrations 2019 | 4 | 35 |
| Swach Bharath | Dept. of Mathematics | Pre monsoon cleaning | 4 | 25 |
| Panel discussion on disaster management | Dept. of Sociology | America with kerala initiative started after 2018 flood in kerala | 5 | 80 |
| Swachh Bharat) | Dept. of Zoology | Cleaning the premises of departmentp | 4 | 35 |

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3.7 – Collaborations

3.7.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

| Nature of activity | Participant | Source of financial support | Duration |
|--|---|---|----------|
| Faunal surveying of Western Ghats and assessing the extent of degradation of wildlife habitats | International and Inter-university centre for Geoinformation Science and Technology | State Planning Board, Government of Kerala | 4 |
| Students Exchange | Qatar University | Qatar University Scholarship for International Students | 10 |
| Semester in India Programme | University of Chicago USA | International Institute for Scientific and Academic Collaboration Inc (IISAC) | 12 |
| Docking analysis of selected cancer targets | HLL lifecare, Aakkulam | NA | 12 |
| International workshop on Tamil Language and Computer use | Tamil Unlimited (United States of America) | Issued authority Dr. Kamatchi | 1 |
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3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

| Nature of linkage | Title of the linkage | Name of the partnering institution/ industry /research lab with contact details | Duration From | Duration To | Participant |
|------------------------|----------------------|---|---------------|-------------|-------------|
| Joint | Internship | Sathyabhama University, Chennai | 01/12/2018 | 31/05/2019 | 10 |
| Institution Department | Internship | Planning Board | 06/12/2018 | 31/01/2019 | 5 |
| Institution Department | Internship | Inter University Centre for Alternative Economics | 06/12/2018 | 31/01/2019 | 5 |
| Internship | Internship | English and Foreign Language University (EFLU) | 13/05/2019 | 30/06/2019 | 15 |
| Joint | Workshop | USA | 14/01/2019 | 20/01/2019 | 2 |

| | | | | | |
|------------|---|--|------------|------------|----|
| Internship | Students internship programme | HLL Lifecare Limited Peroorkkada Factory, Trivandrum | 10/10/2018 | 24/10/2018 | 10 |
| Joint | Faculty support for workshop training on taxation | Gulati Institute of Finance and Taxation (GIFT) | 28/05/2019 | 01/06/2019 | 40 |
| Joint | Faculty support for workshop training on Econometrics | Indian Accounting Association (IAA) | 27/05/2019 | 28/05/2019 | 40 |
| Joint | Internship | Anna University, Chennai | 01/12/2018 | 30/04/2019 | 20 |
| Joint | Internship | SRM, Chennai | 01/12/2018 | 31/12/2018 | 20 |
| Joint | Internship | Vimal Jyoti Engineering College | 01/01/2019 | 31/03/2019 | 18 |
| Joint | Internship | CET, Trivandrum | 01/01/2019 | 31/01/2019 | 30 |
| Joint | Internship | National College | 01/04/2019 | 30/04/2019 | 10 |
| Joint | Internship | Union Christian College, Aluva | 01/04/2019 | 30/04/2019 | 15 |
| Joint | Internship | Stella Maris College, Chennai | 01/04/2019 | 30/04/2019 | 20 |
| Joint | Internship | Fatima Mata National College, Kollam | 01/05/2019 | 31/05/2019 | 15 |
| Joint | Internship | Karunya University, Coimbatore | 01/06/2019 | 30/06/2019 | 15 |
| Joint | Project Work | K.S.R College of Arts and Sciences, Tiruchengode Tamilnadu | 02/07/2018 | 31/07/2018 | 4 |
| Joint | Project Work | IISER, Tirupati | 02/07/2018 | 31/07/2018 | 2 |
| Joint | Project Work | Kannur University | 02/07/2018 | 31/07/2018 | 6 |
| Joint | Project Work | Bharath | 02/07/2018 | 31/07/2018 | 4 |

| | | | | | |
|------------|--|--|------------|------------|---|
| | | Institute, Chennai | | | |
| Joint | Project Work | Manipal University | 02/07/2018 | 31/07/2018 | 3 |
| Joint | Project Work | Amritha, Kollam | 02/07/2018 | 31/07/2018 | 8 |
| Joint | Project Work | IIIT, Hyderabad | 02/07/2018 | 31/07/2018 | 3 |
| Joint | Project Work | UC College, Aluva | 02/07/2018 | 31/07/2018 | 3 |
| Joint | Project Work | Kottackal Arya vaidyasala, Kottackal | 02/07/2018 | 31/07/2018 | 2 |
| Internship | Project Work | NoTech IT Solutions | 03/12/2018 | 31/01/2019 | 3 |
| Internship | Project Work | Grapewine Digital | 03/12/2018 | 31/01/2019 | 2 |
| Internship | Project "Doha Treats Ecommerce based Web App on iOS" | Shrishti Innovatives | 03/12/2018 | 31/01/2019 | 2 |
| Internship | Project titled "Resume Parsing using Machine Learning" | Polus Softwares Pvt Ltd | 03/12/2018 | 31/01/2019 | 3 |
| Internship | Random Jokes Skill development using Alexa | Polus Softwares Pvt Ltd | 03/12/2018 | 31/01/2019 | 2 |
| Internship | Project Work | Tata Elxsi, Technopark, Thiruvananth apuram | 03/12/2018 | 31/01/2019 | 2 |
| Internship | Project Work | CDAC, Trivandrum | 03/12/2018 | 31/01/2019 | 3 |
| Internship | Research Project on Gaze Detection | Emrite InfoTech Pvt Ltd, Technopark | 03/12/2018 | 31/01/2019 | 2 |
| Internship | Project on "Clinical Data management using Mongo DB and Ruby" | Carl Zeiss, Bangalore | 03/12/2018 | 31/01/2019 | 2 |

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3.7.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

| Organisation | Date of MoU signed | Purpose/Activities | Number of students/teachers participated under MoUs |
|--|--------------------|--|---|
| Kerala State Biodiversity Board | 08/11/2018 | Setting up Seed Bank To engage in collaborative research among these institutions | 1 |
| JNTBGRI KSCSTE | 20/05/2019 | Herbarium digitization | 1 |
| National Centre for Earth Science Studies(NCESS) | 16/04/2019 | collection of archival data(ground water level,ground water chemistry,aquifer properties,borehole lithology) from the Central and State government agencies pertaining to the WG 4 Project area. | 1 |
| Cognub Decision Solutions, Pvt Ltd | 26/06/2019 | to develop academic and industry cooperation, promote research interactions between subject experts and industry experts and to cooperate in their mutual interest | 1 |
| University of Hartford, USA | 21/06/2019 | to engage the University of Kerala in the research project "Experiential Learning with Indian Educators: collecting local data to share with politicians and scientists funded by National Geographic (Grant Number NGS 55326E19). This project brings | 1 |
| Lousiana State University and Agricultural and Mechanical College, Lousiana, USA | 20/09/2018 | Research collaboration and faculty/ students exchanges with Department of | 1 |

| | | | |
|--|------------|---|----|
| | | Futures studies, Department Of Aquatic Biology Fisheries, Dept. Of Geology, Department of Environmental Science | |
| Yunus Centre | 19/06/2019 | spreading the concept and practice of social business among the university students and researchers. | 7 |
| Department of Food and Public Distribution, Ministry of Consumer Affairs | 16/09/2018 | Concurrent Evaluation of National Food Security Act in the state of Kerala | 1 |
| NCESS, Govt of India | 11/06/2019 | Scientific collaboration | 10 |
| National Manuscript Mission, New Delhi | 13/08/2018 | Preservation of manuscripts | 1 |
| Kerala Water Authority | 31/08/2018 | Construction of new Over head Water Tank near Botany Department | 0 |
| WAPCOS | 01/03/2019 | Staff Quarters at Kariavattom | 0 |
| Child Development Centre (CDC) | 30/11/2018 | Centre for Adult Continuing Education and Extension (CACEE) | 0 |
| View File | | | |

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

| | |
|--|--|
| Budget allocated for infrastructure augmentation | Budget utilized for infrastructure development |
| 7132.96 | 3658.32 |

4.1.2 – Details of augmentation in infrastructure facilities during the year

| Facilities | Existing or Newly Added |
|-----------------------------------|-------------------------|
| Campus Area | Existing |
| Class rooms | Newly Added |
| Laboratories | Existing |
| Seminar Halls | Newly Added |
| Classrooms with LCD facilities | Newly Added |
| Seminar halls with ICT facilities | Existing |
| Number of important equipments | Newly Added |

| | |
|---|-------------|
| purchased (Greater than 1-0 lakh) during the current year | |
| Classrooms with Wi-Fi OR LAN | Newly Added |

4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

| Name of the ILMS software | Nature of automation (fully or partially) | Version | Year of automation |
|---------------------------|---|--------------|--------------------|
| KOHA | Fully | 18.05.14.000 | 1996 |

4.2.2 – Library Services

| Library Service Type | Existing | | Newly Added | | Total | |
|----------------------|----------|---|-------------|---|--------|---|
| | | | | | | |
| Text Books | 121473 | 0 | 405 | 0 | 121878 | 0 |
| Reference Books | 86180 | 0 | 876 | 0 | 87056 | 0 |
| e-Books | 2329 | 0 | 0 | 0 | 2329 | 0 |
| Journals | 237 | 0 | 6 | 0 | 243 | 0 |
| e-Journals | 9635 | 0 | 165 | 0 | 9800 | 0 |
| Digital Database | 6 | 0 | 3 | 0 | 9 | 0 |
| Others (specify) | 138323 | 0 | 966 | 0 | 139289 | 0 |
| No file uploaded. | | | | | | |

4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

| Name of the Teacher | Name of the Module | Platform on which module is developed | Date of launching e-content |
|---------------------------|--|---------------------------------------|-----------------------------|
| Dr. Satheesh Kumar | Citation Network Analysis | SWAYAM | 15/03/2019 |
| Dr. Gabriel Simon Thattil | Financial Markets and Emerging Business Models | SWAYAM | 30/06/2019 |
| View File | | | |

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

| Type | Total Computers | Computer Lab | Internet | Browsing centers | Computer Centers | Office | Departments | Available Bandwidth (MGBPS) | Others |
|----------|-----------------|--------------|----------|------------------|------------------|--------|-------------|-----------------------------|--------|
| Existing | 2400 | 42 | 42 | 4 | 1 | 1 | 0 | 1 | 0 |
| Added | 250 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 2650 | 44 | 44 | 4 | 1 | 1 | 0 | 1 | 0 |

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

4.3.3 – Facility for e-content

| | |
|--|---|
| Name of the e-content development facility | Provide the link of the videos and media centre and recording facility |
| MOOC | http://lms.keralauniversity.ac.in/moodle/ |

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

| Assigned Budget on academic facilities | Expenditure incurred on maintenance of academic facilities | Assigned budget on physical facilities | Expenditure incurred on maintenance of physical facilities |
|--|--|--|--|
| 3707.88 | 2077.47 | 239.42 | 217.98 |

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

The University now needs to plan not only for incremental growth, but needs to look forward to 50 years into the future in terms of creating, enhancing and maintaining its infrastructure. The sweeping changes that are taking place in the higher education sector and also its own policies and charters on various aspects need to be integrated into the approach to infrastructure creation and maintenance ? Better quality toilets (including those for physically disabled and transgender) ? Convention centre, with a minimum 1000 seating capacity, which can be multi functional, including mini conference halls, guest rooms, green rooms and audiovideo facilities. ? Sporting facilities: A few indoor courts for shuttle and basketball, yoga, gymnasium etc. besides utilizing the facilities in the Green Field Stadium. ? Multi storied international hostel for students and faculty from outside the state and country ? Medical facilities that work round the clock, with alternate medical system for treating stress. ? Xerox and desk top publishing facilities, binding, lamination, STD/ISD facilities. ? Flats for university staff quarters. ? More catering stalls, including those that works till the time of closure of Campus library. ? An open air theater highlighting the legacy of Kerala/University of Kerala. ? Reserved covered parking space for faculty, students and visitors. ? Provisions for handicapped students to reach all floors of departments, library and administrative blocks. The University of Kerala has a Central laboratory, which equipped with state of the art instruments like NMR,SPM, ICP MS, XRD, SCM,SEM,LC MS, XPS, HPTLC, CHNS analyser etc. For more details please visit: <https://kusicc.ac.in/>. The Kariavattom Campus is sought to be transformed into a Science Technology Hub to facilitate not only our students but all students and researchers to make use of these facilities. ? New models of providing costly instrumentation will be considered (such as the model used by IGIB, New Delhi which provided space for private companies to install costly instrumentation and for its use to the paid on a peruse basis only). ? For costly equipment, budgeting shall provide for maintenance on an annual basis. This shall be built into proposals. ?Meet the futuristic demands of water (through efficient rainwater harvesting systems) ? Management of wastes (integration of zero waste concept, installation of biogas plants, decentralized waste management systems). The University shall adopt the Swatch Bharat Mission. ? Energy (solar panel installations, LED lighting, etc) ? Promote use of bicycles in the campus, provision of more frequent public transport facilities by the University. ? More open air auditoriums and green private spaces for reading, pathways for ecowalk. ? Infrastructure already

provided like overhead electric lines, cables etc. are to be made underground in order to minimize the maintenance cost. ? Proper drains and rain water harvesting shall be provided for construction of buildings in future. ? To repair and maintain sewer lines of all buildings ? Proper recreation facility shall be provided for students and staff. ? Green Zone:

<https://iqac.keralauniversity.ac.in/policyNCharters.php>

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

| | Name/Title of the scheme | Number of students | Amount in Rupees |
|--------------------------------------|--------------------------|--------------------|------------------|
| Financial Support from institution | UNIVERSITY FELLOWSHIP | 347 | 5205000 |
| Financial Support from Other Sources | | | |
| a) National | UGC FELLOWSHIPS | 355 | 12425000 |
| b) International | NA | 0 | 0 |

[View File](#)

5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

| Name of the capability enhancement scheme | Date of implementation | Number of students enrolled | Agencies involved |
|---|------------------------|-----------------------------|---|
| Training programme for Counsellors for the Psycho Social Intervention for Flood affected victims | 22/08/2018 | 72 | Dept. of Psychiatry, Govt. Medical College Thiruvananthapuram |
| Seminar on Suicide and Suicide Prevention in connection with the observance of Suicide prevention Day | 09/09/2018 | 50 | Mental Health Centre, Thiruvananthapuram |
| Seminar on Jail Reforms and Counselling | 16/12/2018 | 35 | State Institute of Correctional Administration (SICA) Prisons Head Quarters, Poojappura |
| Continuing Education Courses for Prisoners - First of its kind in India | 01/01/2019 | 20 | Central Prison and Correctional Home, Poojappura |
| Extension programme conducted in association with Cotton Hill Old Teachers 'and | 20/11/2018 | 50 | Govt. Girls HSS, Cotton Hill VSSC, Thiruvananthapuram, Tiger Research Centre, Periyar |

| | | | |
|--|------------|-----|--|
| Students' Association (COTSA) for the students of Cotton Hill GHSS, TVPM | | | Dept. of Health Services, Govt. of Kerala University of Kerala Kerala Travels, TVPM |
| Remedial coaching | 02/07/2018 | 27 | ARABIC |
| Soft skill development | 02/07/2018 | 245 | ARABIC |
| Career Counselling | 02/07/2018 | 256 | AQUATIC BIOLOGY |
| Yoga and Meditation | 02/07/2018 | 350 | AQUATIC BIOLOGY |
| Personal Counselling | 07/01/2019 | 120 | AQUATIC BIOLOGY |
| Skill Development for students belonging to SC/ST and Minority Community | 01/08/2018 | 40 | Competency Training Centre at Kariavattom Campus under the CACEE |
| Certificate in Yoga and Meditation | 01/08/2018 | 57 | CACEE |
| P.G. Diploma in Counselling Psychology | 01/01/2019 | 91 | a. Dept. of Psychology, University of Kerala b. Dept. of Behavioural Science, University of Kannur c. Mental Health Centre, TVPM d. General Hospital, TVPM e. Dept. of Psychiatry, Govt. Medical College |
| Personal and Telephone Counselling | 04/02/2019 | 5 | Referral services with Medical College, Thiruvananthapuram, General Hospital and Mental Hospital, Peroorkada |
| View File | | | |

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

| Year | Name of the scheme | Number of benefited students for competitive examination | Number of benefited students by career counseling activities | Number of students who have passed in the comp. exam | Number of students placed |
|------|---------------------------------------|--|--|--|---------------------------|
| 2018 | Guidance for competitive examinations | 50 | 0 | 30 | 20 |

| | | | | | |
|------|--|-----|-----|-----|-----|
| 2018 | Career Counselling - University Placement Cell Finishing School (CS) | 0 | 233 | 0 | 233 |
| 2018 | UGC NET coaching | 130 | 0 | 130 | 0 |

[View File](#)

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

| Total grievances received | Number of grievances redressed | Avg. number of days for grievance redressal |
|---------------------------|--------------------------------|---|
| 206 | 163 | 10 |

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

| On campus | | | Off campus | | |
|---|---------------------------------|---------------------------|---|---------------------------------|---------------------------|
| Name of organizations visited | Number of students participated | Number of students placed | Name of organizations visited | Number of students participated | Number of students placed |
| various teaching and research organizations, Banks (Pvt.), Software and Insurance companies | 90 | 17 | Govt. Service, Aided College, Inter University Centre, Govt. of Saudi Arabia, Software Company, Print and Electronic Media Houses, Public Relations Dept., Research Institutions, Central Groundwater Board, Govt. of India Dept. of Collegiate Edn. Bank | 1091 | 216 |

[View File](#)

5.2.2 – Student progression to higher education in percentage during the year

| Year | Number of students enrolling into higher education | Programme graduated from | Depratment graduated from | Name of institution joined | Name of programme admitted to |
|------|--|--------------------------|---------------------------|---|-------------------------------------|
| 2018 | 3 | M.Tech | Optoelectronics | Technical University of Denmark CSIR- NIIST, TVM Dept. of Optoelectronics | Ph.D , Project Assistant |
| 2018 | 1 | Msc | Biochemistry | Marshall University Joan C.Edwards School of Medicine | Post doc |
| 2018 | 1 | MSc | Computer Science | Department of Linguistics, University of Kerala | M.Phil in Computational Linguistics |
| 2018 | 1 | M.Sc | Demography | IIPS, Mumbai | M.Phil |
| 2018 | 4 | MA | Economics | University of Kerala | M.Phil, Ph.D |
| 2018 | 1 | MA | Economics | Vrije UNIVER SITY,AMSTERD M | Ph.D |
| 2018 | 1 | MA | Economics | WOMENS COLLEGE, TVM | Ph.D |
| 2018 | 2 | M.SC | GEOLOGY | INDIAN INSTITUTE OF TECHNOLOGY | Ph.D |
| 2018 | 1 | M.SC | GEOLOGY | NATIONAL GEOPHYSICAL RESAERCH INSTITUTE | Ph.D |
| 2018 | 1 | M.SC | GEOLOGY | UNIVERSITY OF KERALA | M.PHIL |
| 2018 | 5 | MA | HINDI | Various Institutions | M.Phil, Ph.D |
| 2018 | 3 | MBA | IMK | IMK | M.Phil |
| 2018 | 3 | MA | Music | Dept of Music, University of Kerala | M.Phil ,Ph.D |
| 2018 | 3 | MA,MSW | Sociology | Depat. Of Sociology | Mphil and PhD |
| 2018 | 1 | M.SC | Department of Statistics | CUSAT | Ph.D |

| | | | | | |
|---------------------------|---|-----|----------------------------|----------------------------------|-------------------|
| 2018 | 3 | MA | ARABIC | Moulana Azad National University | M.Phil, Ph.D,B.Ed |
| 2018 | 1 | MCJ | Communication & Journalism | University of Calicut | Mphil |
| View File | | | | | |

5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

| Items | Number of students selected/ qualifying |
|---------------------------|---|
| NET | 168 |
| SLET | 3 |
| GATE | 10 |
| SET | 12 |
| Any Other | 16 |
| GMAT | 3 |
| View File | |

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

| Activity | Level | Number of Participants |
|---|------------------|------------------------|
| Tyagaraja Aradhana, Navarathri Pooja Archana, World Music Day, Lecture Demonstration, Documentation, Stage performances | STATE & NATIONAL | 200 |
| POLARTS | STATE | 300 |
| Kerala University Youth Festival | STATE | 1500 |
| Annual Summer Coaching Camp | STATE | 280 |
| Annual Fixture Meeting | STATE | 180 |
| Annual athletic meet | STATE | 350 |
| View File | | |

5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

| Year | Name of the award/medal | National/ International | Number of awards for Sports | Number of awards for Cultural | Student ID number | Name of the student |
|------|--------------------------|-------------------------|-----------------------------|-------------------------------|-------------------|--|
| 2018 | WINNERS IN WATER POLO(M) | National | 13 | 0 | 0 | SIVAKUMAR V.P VISHNU.V.L SOORAJ.J.S JITHU.S.P AKSHAY.S S ANDEEP.D.S |

| | | | | | | |
|------|---------------------------------------|----------|----|---|---|---|
| | | | | | | PRITHVILAL R L AKSHAY.R.J NARENDRAPR ASAD.J VISHNU.P.S PRANAV.P.B AMALA.A VISHNU.M.G |
| 2018 | Runners Up in BEST PHYSIQUE | National | 6 | 0 | 0 | SOORAJ BABU.S.J MIDHUN.M.S ABHISHEK S ANURAG.R.S AKHIL.A BINOY VICTOR |
| 2018 | Runners Up in KAYAKIN G(W) | National | 6 | 0 | 0 | ASHLEY.M.K KARISHMA SURESH, SOORYA.C.B ARYAMOL OM ANAKUTTAN ANUPAMA.A. S ANUSHA PRASAD |
| 2018 | Third Position in BOXING (W) | National | 10 | 0 | 0 | ANASWARA P M INDRAJA K A SEETHAL SHAJI ANANYA S DAS ANCHU SABU NISSY LAISSY THAMPY ANUSREE.P DIVYA GANESH CHINCHIL P JOSHMY JOSE |
| 2018 | Runners Up IN CRICKET(W) | National | 16 | 0 | 0 | JITHINA T JINCY LUKOSE GEETHU.M A NSU.S.RAJU VENITA MERELLA D'SOUZA GEETHU .S NAIR ARYA JANARDHANA N AISWARYA T S,KEERTHI |

| | | | | | | |
|------|---|----------|----|---|---|--|
| | | | | | | KRISHNA R APARNA RAJAN.S DEVAPRIYA SANAL.S DR ISHNA.N.K RAGAMAALIK A.V.S ARYA NAIR.A ANJU NATH.U.G |
| 2018 | Runners Up in KABADDI (W) | National | 12 | 0 | 0 | VRINDA V VIDYA V ASHITHA C JOHN HAMEENA HANEEFA JASMIN C S ANITTA RAJU MONISHA TOMI ASWATHY J AISWARYA M VIMALA J AISWARYRA A S BABY SHAHANAS |
| 2018 | Runners Up IN FOOTBALL (M) IN FOOTBALL (M) | National | 20 | 0 | 0 | JINESH DOMINIC ASALAM. A SEBASTIN. S NIJO GILBERT ROBI. R, ROBY FERNANDEZ ANTONY RAJU FASEEN. P.K SACHIN.S ALKESH RAJ T.V PRADEEP VARGHESE ANWARSHA .S SUDHEESH.S SIJIN SIMON SUMESH KUMAR.N MIDHUN .P.T VINOD.J IMANUVEL. |

| | | | | | | |
|------|--|----------|----|---|---|--|
| | | | | | | T DOMINIC SAVIO. F MAHESH. K |
| 2018 | Fourth Position IN KHO-KHO (W) | National | 12 | 0 | 0 | ANIE.O ANUJA. B. R ARCHANA. S ATHIRA. S DIVYA. A SREELEKSHM I.C ROSANN A.C.WILSON AKHILA.S.S PREETHA S SHEEBA.J MEETHU MOL .S.M,ANU. A |
| 2018 | Fourth Position in BASKETBALL (M) | National | 12 | 0 | 0 | BHARATH U JOBIN.K.J NANDHU A KUMAR MOOSA ASHRAF AMAL NAIR SANTHOSH P JIJI HARIK RISHNAN HARIDAS ARJUN S NAIR KARTHIK BABU ANAND. A SARATH KRI SHNA.K.S SEJIN MATHEW |
| 2018 | GOLD MEDAL (WITH IU RECORD FOR ATHLETICS (M) | National | 1 | 0 | 0 | ABHINANDH SUNDARESAN |
| 2018 | GOLD MEDAL for ATHLETICS (M) 110 Hurdles | National | 1 | 0 | 0 | MUHAMMED FAIS C |
| 2018 | Gold medal for Boxing (w) | National | 1 | 0 | 0 | Indraja K |
| 2018 | Gold medal in Kayaking (w) K4-500 | National | 4 | 0 | 0 | Anupama A S, Soorya C B Karishma Suresh Ashley M K |

| | | | | | | |
|------|---|----------|---|---|---|---|
| 2018 | Gold medal in Kayaking (w) K4-400 | National | 4 | 0 | 0 | Anupama A S Aryamol Omanakuttan Karishma Suresh Ashley M K |
| 2018 | Gold medal Powerlifting(w)- 47 kg | National | 1 | 0 | 0 | Anitha Joseph |
| 2018 | Gold medal for Best physique 80 kg | National | 1 | 0 | 0 | Abishek S |
| 2018 | Silver medal for Kayaking (m) K2-200 | National | 2 | 0 | 0 | Amal Ali A Ananthu Chithran |
| 2018 | Silver medal for Kayaking (m) K4-200 | National | 4 | 0 | 0 | Amal Ali A Ananthu Chithran Akhilesh P S Sreehari |
| 2018 | Silver medal for Kayaking (m) K1-500 | National | 1 | 0 | 0 | Anupama A S |
| 2018 | Silver medal for Kayaking (m) K1-200 | National | 1 | 0 | 0 | Anupama A S |
| 2018 | Silver medal for Powerlifting (m) 66 kg | National | 1 | 0 | 0 | Rahul Saji |
| 2018 | Silver medal for Rowing (m) - 500 mtr | National | 2 | 0 | 0 | Akhil Rajesh, Nikhil Rajesh |
| 2018 | Silver medal for Taekwondo (w) | National | 1 | 0 | 0 | Saranya Raju |
| 2018 | Silver medal for Athletics (m) | National | 1 | 0 | 0 | Nirmal sabu |
| 2018 | Bronze medal for Boxing (w) 81 kg | National | 1 | 0 | 0 | Seethal shaji |

| | | | | | | |
|------|---|----------|---|---|------------------|---|
| 2018 | Bronze medal for Canoeing (m) C4-500 | National | 4 | 0 | 0 | Goutham saji Adarsh s v aishnavara j Akhil b |
| 2018 | Bronze medal for Canoeing (m) C4-200 | National | 4 | 0 | 0 | Sunil C S Akhil B Va ishnavaraj Adarsh S |
| 2018 | Bronze medal for KAYAKING (W) K4-1000 | National | 4 | 0 | 0 | Aryamol Om anakuttan Soorya C B Karishma Suresh Askley M K |
| 2018 | Bronze medal for POWERLIFTING (W) 72kg | National | 1 | 0 | 0 | ASWATHY.C |
| 2018 | Bronze medal for TAEKWONDO (W)-57 kg | National | 1 | 0 | 0 | PRETNA NON GMAITHEM |
| 2018 | Bronze medal for SWIMMING (50M Breast Stroke) | National | 1 | 0 | 0 | SUNEESH S. |
| 2018 | Bronze medal for BEST PHYSIQUE 75 kg | National | 1 | 0 | 0 | BINOY VICTOR |
| 2018 | Bronze medal for BEST PHYSIQUE 85 kg | National | 1 | 0 | 0 | AKHIL A |
| 2018 | Bronze medal for ATHLETICS (M) 500 mtr | National | 1 | 0 | 0 | ABHINANDH SUNDARESAN |
| 2019 | FIRST PRIZE in Boxing championship | National | 1 | 0 | 2974995670 72 | Bhagya Sankar Thilkak |
| 2018 | NA | National | 1 | 0 | 6975033477 92 | AKILESH A.M |
| 2018 | NA | National | 0 | 1 | 0 | PRAVEEN RAJ |

| | | | | | | |
|------|-------------------------------------|----------|---|---|---|---|
| 2018 | NA | National | 0 | 1 | 0 | SAMPATH |
| 2019 | NA | National | 0 | 1 | 0 | KEERTHY V SAGAR |
| 2018 | Second prize | National | 0 | 1 | 0 | J Jayadev |
| 2018 | Second prize | National | 0 | 1 | 0 | J Jayadev |
| 2018 | THIRD prize in ONE ACT Play | National | 0 | 9 | 0 | AMAL CHANDRAN J. L.,,YAD UKRISHNA B. T.,ABHILASH T. L.,SACHU RAJAPPAN,NA NDU P. PANICKER,APRANA HARI,KAVYA G.,ANAKHA KRISHNAN M R,GOWRI GOPAL P |
| 2018 | FIRST prize for CLASSICAL DANCE | National | 0 | 1 | 0 | KAVYA G. |
| 2018 | SECOND PRIZE FOR WESTERN VOCAL SOLO | National | 0 | 2 | 0 | MARIA MARTIN, EVUGIN EMMANUEL E |
| 2018 | THIRD PRIZE FOR FOLK ORCHESTRA | National | 0 | 9 | 0 | ANAKHA KRISHNAN M. R., SOORYA SURESH, ,POOJA HARI, KAVYA G.,GOWRI GOPAL P.,VINESH G. S.,ANANTHA KRISHNAN S. R.,APARNA HARI,SANGETH SUNIL |
| 2018 | FIRST PRIZE FOR POSTER MAKING | National | 0 | 1 | 0 | AKSHAY K. T. |
| 2018 | FIRST | National | 0 | 1 | 0 | ROHINI M. |

| | | | | | | |
|------|--------------------------------------|----------|---|----|---|---|
| | PRIZE FOR ELOUCTION & DEBATE | | | | | |
| 2018 | FIRST PRIZE FOR DEBATE | National | 0 | 1 | 0 | GOKUL S. |
| 2018 | FIRST PRIZE FOR ONE ACT PLAY | National | 0 | 10 | 0 | ANAKHA KRISHNAN M. R. YADU KRISHNA B. T. AMAL CHANDRAN J. L. ABHILASH T. L. SACHU RAJAPPAN NANDU P. PANICKER APRANA HARI KAVYA G. GOWRI GOPAL P |
| 2018 | THIRD PRIZE FOR ON THE SPOT PAINTING | National | 0 | 1 | 0 | NIKHIL SOMAN |
| 2018 | THIRD PRIZE FOR QUIZ | National | 0 | 1 | 0 | VISHNU MAHESH A. S. JITHU JOHNCY AKSHAY B. VINAYAK |
| 2018 | THIRD PRIZE FOR FOLK ORCHESTRA | National | 0 | 9 | 0 | ANAKHA KRISHNAN M. R. SRUTHY SURESH SOORYA SURESH POOJA HARI KAVYA G. GOWRI GOPAL P. ARAVIND H. ANANTHA KRISHNAN S. R. VINAYAK V. GOPAL |

[View File](#)

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Kerala University has Students Council in three forms: 1. Researcher's Students Union 2. Departments Students Union 3. University Union Both the Unions have their representatives in the IQAC. The University of Kerala is well known for empowering its students. The University Union is an active presence in the University life since 1939. The University Union, Department's Union, Researcher's Union, are all forums that are established through democratic process and positions in these forums are fiercely competed for. Elected student representatives have membership in supreme bodies of the University such as Senate, Academic Council and also Syndicate, the executive committee of the University (Student representation in Syndicate was given for the first time in India, by University of Kerala, in 1977). The coordinator of the National Service Scheme (NSS) Programme and the Director of the Student Services organize youth welfare activities with the active cooperation of the Unions. activities include: leadership training camps, labor and social work projects, and camps, InterCollegiate youth festival, InterUniversity youth festival and University youth festival. The University policies are aimed at student welfare and empowerment in every field. The activities of the Council include undertaking Career Oriented Programmes, workshops on Research and Academic matters, Organization of Cultural events, Literary and Cultural competitions, Youth Festival, Observance of important National Events, Involvement in Cultural Festival etc. University of Kerala has its student members on all statutory and non statutory bodies. In the IQAC, there are two student members. We have our student members in the following statutory bodies

1. Syndicate
2. Academic council
3. Senate

Student members involved in the decision making process and support student progression.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The university has a common alumni association which is a registered body. At present, we have 250 alumni members. The school of distance education has a very strong alumni association. In addition to the above, over 22 of our teaching departments have alumni association which meet annually in respective teaching centres. The alumni contribute significantly to the growth of these departments. They initiate awards and financial support for students and engage in student support service. They are conducting Merit Day programmes to honor the toppers of each department. They also provide financial assistance to setup infrastructure and undertaking developmental activities in every departments.

5.4.2 – No. of registered Alumni:

1

5.4.3 – Alumni contribution during the year (in Rupees) :

454750

5.4.4 – Meetings/activities organized by Alumni Association :

5

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

Routine administrative matters like grant of casual leaves, special casual leave, duty leave, etc have been decentralized. Decision regarding academic

matters pertaining to teaching departments are taken at the Credit Semester System office subject to the reporting in statutory bodies. By virtue of the provisions contained in statue 6 of chapter II of the Kerala university first statutes 1977, the vice chancellor has delegated the following powers and functions to pro vice chancellor with immediate effect. All powers exercised by the Vice chancellor under the provisions of chapter VI and VII of the Kerala university first ordinances 1978 with regard to the conduct of examinations except appointment of examiners for evaluation of PhD Thesis. Granting of registration of candidates as research scholars on the basis of the recommendations of the standing committee, conversion of registration (part time to full time and vice versa) and sanctioning of leave to research scholars.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

| Strategy Type | Details |
|------------------------|---|
| Curriculum Development | The syllabus of the PG programme is revamped frequently with due consultation of outside experts. Constant interaction with experts from the media industry is assured for curriculum advancement. Invited talks of eminent persons on contemporary issues are organised every week at the department/school level. Kerala university has a centre for curriculum development which organizes a curriculum fair annually. The innovation council provides encouragement for innovations in curriculum development. |
| Teaching and Learning | To improve the quality of teaching, the following measures are adopted: ? Quality improvement programs for faculty, at regular intervals ? Refresher courses at reputed institutes of national importance ? Exposure to modern teaching methods, including but not limited to extensive use of information technology services ? Memberships in professional bodies, for faculty ? Support to faculty, for attending professional meetings and conferences, in pursuit of academic excellence ? Inhouse seminars and academic debates to further knowledge sharing and enhancing communication skills ? Feedback system involving students to identify pitfalls ? Review of teaching methods and styles, at periodic intervals ? Active participation of students in class room settings, seminars, discussions and |

debates ? Student led conferences/seminars on topics of interest ? Modern audiovisual tools to enhance learning experience ? Support for web based education tools ? Support to students, for attending professional meetings and conferences, in pursuit of academic excellence ? Feedback system involving students to identify pitfalls ? Review of teaching methods and styles, at periodic intervals ? Teachers are actively involved in curriculum framing and innovation in pedagogy. Two lab journals namely UNIV VOICE and KALARI are brought out regularly in every semester. Students are also involved in bringing out SPOTLIGHT a special issue for the IFFK, Kerala. NEWS TODAY, a daily wall newspaper produced using the news supplied through PTI wire service is a real time learning experience for the PG students on active newsroom practices at the department's media lab. ? Video documentaries and short films produced by students are uploaded in the You Tube channel of the department. ? Ensure the use of online systems like Moodle, Urkund, and MOOC etc in the programs. ? Introduction of new teaching and learning methods after identifying the problems (if any) faced by the students in regular classroom learning ? Adopted computer assisted instruction, provided resources for learning , Discussion and demonstration ? Smart class facility for MSc classroom ? Use of power points and other E resources and techniques ? bioinformatics lab where students can utilise E Resources ? Library updated with latest edition books (total: 3893 books) ? An innovative teaching methodology of poster based team presentations and a three tier feedback based evaluation system for classroom assessments for PG students (Dr. PG Biju) ? Short video logs prepared by student as teams and presentation in front of the class (Dr. M Indira)

Examination and Evaluation

IQAC, in association with examination wing of the university organized a workshop on curriculum reforms. Among other things the workshop outcome was on formulating a Student Life Cycle Management System. Creating an academic calendar and linking examination calendar to the academic calendar was

suggested. Automation of the examination wing and tabulation work was suggested for timely completion of examination work.

Research and Development

University has established a research council with members from research institution in and around Trivandrum. This is the for the purpose of identifying research issues from a real life context and linking research outcomes for social benefit. <https://iq.ac.keralauniversity.ac.in/researchnInnovations.php> University has formed an Institution Innovation Council as per MHRD guidelines. We have organized two workshops on research methods of which one was in collaboration with ICSSR. The university provides fellowships to all its research scholars from its own resources where scholars not eligible under other funding agencies

Library, ICT and Physical Infrastructure / Instrumentation

1. CHNS Analyzer Make Perkin Elmer Model 2400series III Total Cost 44000.00 USD
2. Simultaneous Thermal Analyzer TGDTA/DSC system Make Perkin Elmer Model STA 8000 Total Cost 42500.00 USD
3. X Ray photo electron Spectrometer XPS Make Thermo scientific Model XPS Escalab X1 XPS System Total costRs. 38713748.00
4. Liquid Chromatography Tandem Mass Spectrometry LCMS/MS Make Shimadzu Model Shimadzu LCMS 8045 Ultra Fast Triple Quadrupole Mass Spectrometer with Shimadzu Nexera Ultra High Performance Liquid Chromatography System Total cost Rs. 12933804/
5. High Performance Thin Layer Chromatography HPTLC Make Camag Model Camag HPTLC linomat 5 Total cost5722937.00
6. Liquid Nitrogen Generator LN2 Plant Model KHIONE LN240 Liquid Nitrogen generator Total cost GBP 119931.00
7. Genetic analyser (DNA Sequencer) Make Thermo Fisher Scientific Ion Torrent Model 3500 genetic analyser, QS3RTPCR, Ion one touch Total CostRs. 1,12,52542.00

Human Resource Management

The university has a human resource management centre under UGC funding. Besides providing training in the form of orientation programmes and refresher programmes, the centre provides short term on specific skills to both teaching and nonteaching staffs. Such training includes orientation on university statues, training on service rules, and training for examination

purpose. The university has also initiated training for familiarize with file flow system.

Industry Interaction / Collaboration

To improve the industry interaction and collaboration, the following methods are being adopted: 1. Ensuring that news of research activities and breakthroughs of the department reaches the potential industry partners 2. Outreach programs and open houses to invite attention of potential collaborators 3. Individual efforts of faculty in attracting research collaboration with likeminded faculty from across the globe 4. Technology development to cater to the needs of the society and efforts for commercialization of such needbased products, involving industrial partners 5. Two months Media internship is mandatory for each student to complete the programme. Regular media visits are held. 6. A visit to National Institute of Speech and Hearing (NISH) visit on 10th August 2017 7. Industrial visit on 5th October 2017 to Vikram Sarabhai Space Centre 8. Invited Talks on current Technologies and Research Areas. 9. Research works in collaboration with RGCB, NIIST, and SCTIMST etc. for sharing of knowledge and ideas and utilization of facilities provided there for better research output. 10. The university has a centre for academic and industrial collaboration where members from industry interact with academicians on areas of interest including collaboration and employability. IQAC has members from the industry and does collaborate with Kerala startUp Mission on formation of StartUps.

Admission of Students

The university has admissions under two modes, for affiliated colleges through which online admission portal, for teaching departments through admission portal of Credit semester office. Admission to teaching departments is based on entrance examinations and marks obtained in qualifying examinations.

6.2.2 – Implementation of e-governance in areas of operations:

| E-governance area | Details |
|--------------------------|--|
| Planning and Development | Planning and development wing is under a full time director. The wing coordinates with UGC, other national |

| | |
|-------------------------------|--|
| | funding agencies including DST, ICSSR and ICAR. This wing also coordinate with higher education council and RUSA funds under different projects are electronically transferred to the university and made available to the research centres. Planning and Development wing monitors fund utilisation and submission of utilisation certificates |
| Administration | University has introduced file flow system for automated electronic movement of files. University computer centre conducts Egovernance strategies linking with national informatics centre. |
| Finance and Accounts | The finance and accounts has the following facilities: ? KU finance employee's portal ? Online direct payment of salary ? PF credit cards ? Leave details ? Income tax TDS filing |
| Student Admission and Support | Online facilities are available for Student admission, payment of fees, choice of courses, choice of SWAYAM course under MOOC |
| Examination | Kerala University has the following online facilities: ?Online submission of application for different examinations, downloading of hall tickets ? Online availability of question papers, tabulation of marks ? Online submission of application and synopsis ? Choice of research guides ? Choice of research centres ? Research fellowships ? Course work ? We have taken primary steps for uploading mark lists and certificates under NAD |

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

| Year | Name of Teacher | Name of conference/ workshop attended for which financial support provided | Name of the professional body for which membership fee is provided | Amount of support |
|------|------------------|--|--|-------------------|
| 2019 | Siddik R | To attend three day faculty orientation programme for student induction by UGC, MHRD South West Zone | University of Kerala | 14000 |
| 2018 | Dr. Manoj Chacko | International Conference on | DST | 64661 |

Ordered
Statistical
Data, held at
Spain

[View File](#)

6.3.2 – Number of professional development / administrative training programmes organized by the University for teaching and non teaching staff during the year

| Year | Title of the professional development programme organised for teaching staff | Title of the administrative training programme organised for non-teaching staff | From date | To Date | Number of participants (Teaching staff) | Number of participants (non-teaching staff) |
|------|---|---|------------|------------|---|---|
| 2019 | Eminent Scholar Programme | NA | 08/04/2019 | 10/04/2019 | 1000 | 0 |
| 2019 | NA | workshop on MOOC, Econtent development and open educational resources | 19/03/2019 | 21/03/2019 | 0 | 45 |
| 2019 | NA | RUSA training program for university administrators | 13/06/2019 | 15/06/2019 | 0 | 28 |
| 2019 | NA | RUSA training program for university administrators | 18/06/2019 | 20/06/2019 | 0 | 21 |
| 2019 | International Workshop on Academic Leadership Emerging Trends in Arabic Language Teaching | NA | 03/03/2019 | 07/03/2019 | 39 | 0 |
| 2018 | International Workshop on Curriculum | NA | 25/06/2018 | 28/06/2018 | 97 | 0 |

| | | | | | | |
|------|---|---|------------|------------|----|----|
| | Design for Arabic Language Teaching to NonNative Speakers | | | | | |
| 2018 | NA | Refresher course in Library and Information science | 23/11/2018 | 13/12/2018 | 0 | 30 |
| 2019 | NA | Refresher course in Human Rights | 12/06/2019 | 25/06/2019 | 0 | 30 |
| 2019 | Educational Leadership | NA | 02/04/2019 | 05/04/2019 | 42 | 0 |
| 2019 | Refresher course in Env. Sciences Coordinated by Dept. of Env. Sciences in the Academic Staff college | NA | 04/03/2019 | 25/11/2019 | 40 | 0 |
| 2019 | NA | UGCHRDC 2 days workshop for university administrators | 14/03/2019 | 15/03/2019 | 0 | 50 |
| 2018 | FDP English Syllabus Revision Workshop by Board of Studies in English | NA | 14/11/2018 | 15/11/2018 | 45 | 0 |
| 2018 | Higher Secondary School Teacher Transformation Programme | NA | 16/11/2018 | 25/11/2018 | 38 | 0 |

| | | | | | | |
|------|---|---|------------|------------|----|----|
| 2019 | Workshop on "Materials Production for Communication Skills in English" | NA | 16/02/2019 | 18/02/2019 | 24 | 0 |
| 2019 | NA | Communicative English Training Program for Non Teaching Staff | 28/11/2018 | 28/11/2018 | 0 | 30 |
| 2018 | Eight Day National Workshop on Malayalam Computing | Eight Day National Workshop on Malayalam Computing | 15/12/2018 | 22/12/2019 | 20 | 30 |
| 2019 | NA | Workshop on University Administration | 14/03/2019 | 15/03/2019 | 0 | 35 |
| 2019 | Human Rights | NA | 12/06/2019 | 25/06/2019 | 60 | 0 |
| 2018 | Training methodology for psychologist(TOT) | NA | 19/12/2018 | 23/12/2018 | 40 | 0 |
| 2019 | Understanding Learning Disability: Assessment , Diagnosis and Intervention by RCI (CRE) | NA | 04/02/2019 | 08/02/2019 | 50 | 0 |
| 2019 | Understanding Learning Disability: Assessment , Diagnosis and Intervention by RCI (CRE) | NA | 25/03/2019 | 27/03/2019 | 30 | 0 |

| | | | | | | |
|---------------------------|---|----|------------|------------|-----|---|
| 2018 | Statistica l Methods for Data Analysis | NA | 10/09/2018 | 15/09/2018 | 100 | 0 |
| 2019 | Refresher course in Tamil Language and Literature | NA | 24/04/2019 | 14/05/2019 | 69 | 0 |
| 2019 | Refresher course in Tamil Language and Literature | NA | 15/05/2019 | 28/05/2019 | 59 | 0 |
| 2019 | Refresher course in Tamil Language and Literature | NA | 29/05/2019 | 11/06/2019 | 31 | 0 |
| 2018 | Internatio nal training workshop onin vitro toxicology with emphasis on integrated discrete multiple organ coculture (IdMoC). | NA | 22/11/2018 | 26/11/2018 | 15 | 0 |
| 2019 | Eminent Scholar Programl | NA | 18/03/2019 | 20/03/2019 | 100 | 0 |
| View File | | | | | | |

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

| Title of the professional development programme | Number of teachers who attended | From Date | To date | Duration |
|---|---------------------------------|------------|------------|----------|
| NPTEL Workshop conducted by IIT Madras at CET, Trivandrum | 1 | 22/01/2019 | 22/01/2019 | 1 day |
| UGC Sponsored Short Term | 1 | 18/07/2018 | 25/07/2018 | 8 days |

| | | | | |
|---|---|------------|------------|--------|
| Course in Disaster Management | | | | |
| LEAP(Leadership Programme for Academicians sponsored by MHRD New Delhi in collaboration with University of Hyderabad, Hyderabad and Monash University Melbourne Australia) | 1 | 10/02/2019 | 04/03/2019 | 21 day |
| Short term course on Law | 1 | 26/12/2018 | 02/01/2019 | 8 days |
| Workshop on "Theory in Research Writing" | 1 | 06/02/2019 | 10/02/2019 | 5 days |
| National Workshop on "Multimedia E Content Development" | 1 | 26/11/2018 | 02/12/2018 | 7 days |
| Workshop on "Materials Production for Communication Skills in English" | 2 | 16/02/2019 | 18/02/2019 | 3 days |
| National Workshop on "Developing Content for Online Course on Functional English for Adult Learners" | 1 | 14/01/2019 | 16/01/2019 | 3 days |
| Workshop on outcome based Education | 1 | 07/06/2019 | 07/06/2019 | 1 day |
| Refresher course on women managers and higher education , Univ. Of Kerala | 1 | 09/07/2018 | 13/07/2018 | 5 days |
| 5day theory workshop , KHEC | 1 | 23/01/2019 | 27/01/2019 | 5 days |

| | | | | |
|--|---|------------|------------|--------|
| international film appreciation work shop | 1 | 15/10/2018 | 21/10/2018 | 7 days |
| One Day Soft skill Training Programme - Finishing School, University of Kerala | 1 | 11/09/2018 | 11/09/2018 | 1 day |
| UGC Sponsored Refresher Course, HRDC, University of Kerala | 1 | 24/01/2019 | 14/02/2019 | 21 day |
| Short Term course on Gender Sensitisation | 1 | 21/12/2018 | 29/12/2018 | 9 days |
| Short term course on Disaster management | 1 | 18/07/2018 | 25/07/2018 | 8 days |
| Workshop on National Election Studies jointly organised by JAIN a deemed to be University and LoknitiCSDS at Bengaluru | 1 | 08/03/2019 | 10/03/2019 | 3 days |
| Attended Three day International Seminar conducted by Department of Russian and Comparative Literature, University of Calicut on 'Cultural Heterogeneity and Discourses from Life' and Presented a paper and chaired a session | 1 | 05/03/2019 | 07/03/2019 | 3 days |
| Attended Four day workshop on | 1 | 25/02/2019 | 28/02/2019 | 4 days |

| | | | | |
|--|---|------------|------------|--------|
| 'Lexicography' and delivered a talk on "Lexicography in Russian and Malayalam" conducted by the department of Malayalam Lexicon, University of Kerala. | | | | |
| workshop on Enhancing of Teaching and Learning skills in Statistics at Central University of Rajasthan | 1 | 12/03/2019 | 16/03/2019 | 5 days |
| National Symposium on Advances in Biosciences (SEIB 2019) | 1 | 26/04/2019 | 27/04/2019 | 2 days |
| 8th International Symposium on Fish Endocrinology (ISFE) | 1 | 28/06/2019 | 02/07/2019 | 5 days |
| DNA Sequencing and Analysis | 1 | 28/01/2019 | 01/02/2019 | 5 days |
| FDP Program, KSHEC | 1 | 29/08/2019 | 02/09/2019 | 5 days |
| Short Term Course on Student Counselling and Mentoring | 1 | 24/10/2018 | 30/10/2018 | 7 days |
| GIAN Short Course on Vegetation Phenology to Understand Climate Change Impacts on Terrestrial Ecosystem | 1 | 03/12/2018 | 07/12/2018 | 5 days |
| International Workshop on Academic Leadership at University of Kerala | 2 | 03/03/2019 | 07/03/2019 | 5 days |

| | | | | |
|---|----|------------|------------|--------|
| MAHE (India)AIST (Japan) Workshop on Epigenomics | 1 | 20/02/2019 | 22/02/2019 | 3 days |
| Advances and applications in plant science | 1 | 06/02/2019 | 08/02/2019 | 3 days |
| 31st Kerala Science congress | 1 | 02/02/2019 | 03/02/2019 | 2 days |
| International Biodiversity Congress | 1 | 04/02/2019 | 06/02/2019 | 3 days |
| 158th Orientation Programme | 86 | 20/06/2018 | 17/07/2018 | 28 day |
| 159th Orientation Programme | 66 | 04/09/2018 | 01/10/2018 | 28 day |
| 160th Orientation Programme | 59 | 16/01/2019 | 12/02/2019 | 28 day |
| 161st Orientation Programme | 68 | 27/02/2019 | 26/03/2019 | 28 day |
| 162nd Orientation Programme | 67 | 26/04/2019 | 23/05/2019 | 28 day |
| 163rd Orientation Programme | 62 | 13/06/2019 | 03/07/2019 | 21 day |
| Refresher course on higher education and women managers | 67 | 26/06/2018 | 16/07/2018 | 21 day |
| Refresher course on Summer school | 75 | 23/07/2018 | 13/08/2018 | 21 day |
| Refresher course on Commerce and management | 58 | 27/07/2018 | 16/08/2018 | 21 day |
| Refresher course on Life sciences | 64 | 06/09/2018 | 26/09/2018 | 21 day |
| Refresher course on English language and modern | 65 | 05/10/2018 | 26/10/2018 | 21 day |

| | | | | |
|--|----|------------|------------|--------|
| literature | | | | |
| Refresher course on Human rights | 73 | 08/10/2018 | 29/10/2018 | 21 day |
| Refresher course on materials science | 70 | 30/10/2018 | 21/11/2018 | 21 day |
| Refresher course on Malayalam language and modern literature | 69 | 01/11/2018 | 23/11/2018 | 21 day |
| Refresher course on environmental sciences | 67 | 28/11/2018 | 18/12/2018 | 21 day |
| Refresher course on summer school | 72 | 30/11/2018 | 20/12/2018 | 21 day |
| Refresher course on RUSA summer school | 65 | 01/12/2018 | 21/12/2018 | 21 day |
| Refresher course on women's studies and women empowerment | 73 | 24/01/2019 | 14/02/2019 | 21 day |
| Refresher course on education and teaching methods | 26 | 11/03/2019 | 31/03/2019 | 21 day |
| Refresher course on human rights | 60 | 12/06/2019 | 25/06/2019 | 14 day |
| Short term course on Disaster management | 44 | 18/07/2018 | 25/07/2018 | 7 days |
| Short term course on student counselling and mentoring | 56 | 24/10/2018 | 31/10/2018 | 7 days |
| Short term course on research methodology | 55 | 22/11/2018 | 29/11/2018 | 7 days |
| Short term course on women | 58 | 19/12/2018 | 27/12/2018 | 9 days |

| | | | | |
|--|----|------------|------------|--------|
| empowerment | | | | |
| Short term course on gender sensitisation | 59 | 21/12/2018 | 29/12/2018 | 9 days |
| Short term course on principals' meet | 51 | 16/03/2019 | 16/03/2019 | 1 day |
| Short term course for university administrators | 30 | 21/02/2019 | 22/02/2019 | 2 days |
| National Workshop on Techniques for chromosome analysis | 1 | 21/11/2018 | 23/11/2018 | 3 days |
| "Digital Photography Animation" | 3 | 10/10/2018 | 12/10/2018 | 3 days |
| National workshop on Techniques for Chromosome analysis | 2 | 21/11/2018 | 23/11/2018 | 3 days |
| Workshop for college chemistry teachers and students organised by FCBS Trivandrum and JNCASR Bangalore, Trivandrum | 1 | 25/10/2018 | 27/10/2018 | 3 days |
| 6 month Course on Counselling Psychology with First Class conducted by State Resource Center, Govt of Kerala. | 1 | 02/07/2018 | 01/12/2018 | 6 |
| Short term course on Women empowerment | 1 | 03/12/2018 | 07/12/2018 | 5 days |
| Three day Faculty Orientation Programme for Student Induction, UGCMHRD South | 1 | 30/05/2019 | 01/06/2019 | 3 days |

| | | | | |
|--|---|------------|------------|--------|
| West Zone organised at IISc | | | | |
| Attended the 12th Refresher Course in Public Economics, Organised by National Institute of Public Finance and Policy, New Delhi | 1 | 17/12/2018 | 28/12/2018 | 12 day |
| CSE's Green Educators Network 4th National Knowledge Conclave Climate Change in Rajasthan | 1 | 04/03/2019 | 07/03/2019 | 4 days |
| ShortTerm Course in Student Counseling and Mentoring | 1 | 24/10/2018 | 31/10/2019 | 8 days |
| Electron Backscattered Diffraction at IIT Bhubaneshwar, Arugul campus by Electron Microscopy Society of India | 1 | 16/07/2018 | 17/07/2018 | 2 days |
| Vegetation Phenology to Understand Climate Change Impacts on Terrestrial Ecosystems GIAN course by Prof. Oliver Sonnentag Canada Research Chair Tier 2 in Atmospheric Biogeosciences at High Latitudes at the Université de Montréal, Canada | 1 | 03/12/2018 | 07/12/2018 | 5 days |

[View File](#)

6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

| Teaching | | Non-teaching | |
|-----------|-----------|--------------|-----------|
| Permanent | Full Time | Permanent | Full Time |
| 2 | 57 | 92 | 0 |

6.3.5 – Welfare schemes for

| Teaching | Non-teaching | Students |
|---|--|--|
| <p>Transportation facility, staff quarters, medical reimbursement, group welfare scheme, group insurance, house building advance. Both teaching and non teaching staffs have two welfare credit societies Employees Cooperative Society and Employees Housing Society. Employee recreation club also exists. University has a health centre in both its campuses.</p> | <p>Transportation facility, staff quarters, medical reimbursement, group welfare scheme, group insurance, house building advance. Both teaching and non teaching staffs have two welfare credit societies Employees Cooperative Society and Employees Housing Society. Employee recreation club also exists. University has a health centre in both its campuses</p> | <p>Transportation facility, health check up and medical facilities, student amenity centre</p> |

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

Institution conducts statutory audit as per government requirements. The University is also subject to audit of accountant General office and local fund audit. The audit objections are cleared on a time basis. The Finance wing of the University deals with all financial matters pertaining to the University which includes the preparation of the Budget estimates, collection of funds from State/Central Government, other institutions approved by State/Central Government, internal revenue etc .and the expenditure of the same through effective financial management. The Three divisions of Finance are Finance, Accounts and Audit (Pre Audit and Out Audit) Functions I) Finance a. Work relating to the preparation of Budget b. Service matters of University Employees and Pension c. Advice on financial matters d. Realization of Grants in aid from State Government, UGC, Government of India and Other Agencies and mobilization of revenue. e. Review of various projects under implementation f. Monitoring the recurring and non recurring expenditure and ensure Budgetary Control system II) Accounts a. Maintaining accounts of Receipts and Expenditure b. Classification and consolidation of receipts and expenditure c. Maintaining accounts relating to PF, FBS, GWS etc d. Preparing proforma accounts e. Cash sections collect all items of receipts by way of cash/demand drafts and deposit them into the KUF and effect payment as per bills passed by audit sections. III) Audit a. Attending to the pre audit of bills b. Clearing of audit objections raised by Government Auditor and the Accountant General c. Conduct internal audit of departments and affiliated colleges d. Inspects departments and centres and verify Accounts and Registers e. Making revenue collection intense and expenditure control effective f. Constant contact with the colleges to settle the special fees accounts in time Efforts are being made to computerize the entire accounting functions.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

| Name of the non government funding agencies /individuals | Funds/ Grnats received in Rs. | Purpose |
|--|-------------------------------|---------|
| NA | 0 | NA |
| No file uploaded. | | |

6.4.3 – Total corpus fund generated

| |
|------------|
| 3050000000 |
|------------|

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

| Audit Type | External | | Internal | |
|----------------|----------|--|----------|-----------|
| | Yes/No | Agency | Yes/No | Authority |
| Academic | Yes | Eminent Academicians/ Professionals/ Experts in the discipline | No | |
| Administrative | No | | No | |

6.5.2 – What efforts are made by the University to promote autonomy in the affiliated/constituent colleges? (if applicable)

| |
|---|
| University supports the autonomy granted to two of its affiliated colleges. |
|---|

6.5.3 – Activities and support from the Parent – Teacher Association (at least three)

| |
|---|
| 1. Meetings of PTA to address the needs of the students and the Department in fulfilling their academic duties 2. Support of PTA in improving the quality of learner orientation and productivity 3. Personal grievance redressal forums with active involvement of PTA |
|---|

6.5.4 – Development programmes for support staff (at least three)

| |
|--|
| 1. Transportation facility 2. Health services 3. Membership credit society and housing society |
|--|

6.5.5 – Post Accreditation initiative(s) (mention at least three)

| |
|---|
| 1. Formation of research council 2. Flagship PROGRAMME on interaction with eminent scholars 3. Undertaking of gender audit, green audit, library audit and energy audit |
|---|

6.5.6 – Internal Quality Assurance System Details

| | |
|--|-----|
| a) Submission of Data for AISHE portal | Yes |
| b) Participation in NIRF | Yes |
| c) ISO certification | No |
| d) NBA or any other quality audit | No |

6.5.7 – Number of Quality Initiatives undertaken during the year

| Year | Name of quality initiative by IQAC | Date of conducting IQAC | Duration From | Duration To | Number of participants |
|------|------------------------------------|-------------------------|---------------|-------------|------------------------|
| 2019 | UGC NET coaching | 04/05/2019 | 04/05/2019 | 16/06/2019 | 120 |

| | | | | | |
|------|---|------------|------------|------------|-----|
| 2018 | UGC NAAC AWARENESS WORKSHOP ON QUALITY ASSESSMENT AND ACCREDITATION | 15/10/2019 | 15/10/2018 | 15/10/2018 | 180 |
| 2018 | THREE DAY RESEARCH METHODOLOGY WORKSHOP | 22/11/2018 | 22/11/2018 | 24/11/2018 | 80 |
| 2018 | UGC NET COACHING | 01/09/2018 | 01/09/2018 | 16/12/2018 | 150 |
| 2018 | WORKSHOP ON RESEARCH METHODOLOGY AND DATA ANALYSIS | 24/07/2018 | 24/07/2018 | 30/07/2018 | 120 |
| 2019 | SCIENCE WEEK CELEBRATIONS | 27/02/2019 | 27/02/2019 | 01/03/2019 | 300 |
| 2019 | ANNUAL INTER DISCIPLINARY ACADEMIC MEET (AIAM) 2K19 | 13/02/2019 | 18/03/2019 | 29/03/2019 | 600 |
| 2019 | INTERACTION WITH NOBEL LAUREATE | 04/02/2019 | 04/02/2019 | 04/02/2019 | 100 |
| 2019 | CURRICULUM FAIR | 20/03/2019 | 20/03/2019 | 22/03/2019 | 75 |
| 2019 | Initiating Massive Open Online Course (MOOC) | 15/03/2019 | 15/03/2019 | 14/04/2019 | 154 |
| 2019 | Research Council | 28/01/2019 | 28/01/2019 | 28/01/2019 | 51 |
| 2019 | Community Engagement Programmes | 13/02/2019 | 13/02/2019 | 13/02/2019 | 0 |
| 2019 | IDEA Day - Idea generation process of Kerala StartUp Mission | 25/04/2019 | 25/04/2019 | 25/04/2019 | 15 |
| 2019 | Three minute Video Presentation | 27/02/2019 | 27/02/2019 | 01/03/2019 | 300 |
| 2019 | PreMonsoon Cleaning | 09/05/2019 | 09/05/2019 | 20/05/2019 | 500 |

| | Drive Programme | | | | |
|---------------------------|--|------------|------------|------------|-----|
| 2019 | Student Induction Program | 25/06/2019 | 25/06/2019 | 25/06/2019 | 500 |
| 2019 | Workshop on Right to Service Charter | 26/04/2019 | 26/04/2019 | 26/04/2019 | 50 |
| 2019 | Collaboration on the Skill development Initiatives for the University ASAP | 31/05/2019 | 31/05/2019 | 31/05/2019 | 100 |
| View File | | | | | |

CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

| Title of the programme | Period from | Period To | Number of Participants | |
|---|-------------|------------|------------------------|------|
| | | | Female | Male |
| Special lecture on Gender Justice and Women Empowerment | 12/02/2019 | 13/02/2019 | 100 | 60 |
| international Women's day | 08/03/2019 | 08/03/2019 | 500 | 150 |

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

| |
|--|
| Percentage of power requirement of the University met by the renewable energy sources |
| 400KW solar energy plant at Karyavattom Savings (of around Rs. 4 lakhs per month) Percentage of power requirement of the University met by the renewable energy sources 10 |

7.1.3 – Differently abled (Divyangjan) friendliness

| Item facilities | Yes/No | Number of beneficiaries |
|-----------------------------|--------|-------------------------|
| Physical facilities | Yes | 50 |
| Provision for lift | Yes | 45 |
| Ramp/Rails | Yes | 35 |
| Rest Rooms | Yes | 50 |
| Braille Software/facilities | Yes | 10 |
| Scribes for examination | Yes | 10 |

| | | |
|--|-----|----|
| Special skill development for differently abled students | Yes | 15 |
| Any other similar facility | Yes | 6 |

7.1.4 – Inclusion and Situatedness

| Year | Number of initiatives to address locational advantages and disadvantages | Number of initiatives taken to engage with and contribute to local community | Date | Duration | Name of initiative | Issues addressed | Number of participating students and staff |
|------|--|--|------------|----------|--|--|--|
| 2019 | 0 | 1 | 26/02/2019 | 1 | Open day as part of Science Week Celebrations: Exhibition, visit to labs | Provided opportunities for the school students and public to visit the Museum showcasing a wide range of aquatic animals, Fishing boat models, SCUBA Diving Equipment, Aquarium show including live freshwater and marine animals with touch pools, demons | 80 |
| 2019 | 0 | 1 | 07/02/2019 | 3 | Development and Marginality of Fisher Folks | Different aspects of fishery and marginality been discussed and it is | 120 |

| | | | | | | | |
|------|---|---|------------|-----|---|--|-----|
| | | | | | | Very useful to students, teachers and general public for formulating different views on the issue | |
| 2018 | 0 | 1 | 10/11/2018 | 1 | Financial Literacy Class to various groups | Financial Literacy Class to various groups such as School children, College students, Middle Income Groups and home makers People of different grades got benefit out of the classes | 150 |
| 2019 | 0 | 1 | 18/05/2019 | 1 | NAIPUNYAM Interaction with Degree aspirants from coastal communities on "Prospects of Economics " | Prospects of Economics among coastal community | 150 |
| 2018 | 0 | 1 | 01/07/2018 | 365 | village adoption programme under innovative programmes and research scheme | Educating and empowering the villagers to conserve and adopt innovative rain water har | 200 |

7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

| Title | Date of publication | Follow up(max 100 words) |
|--------------------|---------------------|--|
| Research Handbook | 01/01/2019 | <p>Guidelines for implementation being taken up and feedback AQAR 201718 Page 85 sought. This is circulated among all teaching departments of university of Kerala for M.Phil and Research scholars. It contains data regarding Ph.D regulations, M.Phil regulations, Guidelines On Ph.D and M.Phil. Also includes Kerala University library system, computing centre and campus computing infrastructure, sophisticated instrumentation computation centre, Department wise research infrastructure, Articles on research innovations, union, sports student welfare.</p> |
| Academic Hand Book | 02/07/2018 | <p>This hand book distributed to all PG departments in UoK. The rules and regulations describes about credit and semester system, CSS PG regulation, fee schedule, antiplagiarism statement, anti ragging regulations. The learning resources and infrastructure includes Kerala University library system, computing centre and campus computing infrastructure, sophisticated instrumentation computation centre, Department wise research infrastructure, graduate attributes, learning in higher education, disciplinary boundaries and beyond and student welfare</p> |

7.1.6 – Activities conducted for promotion of universal Values and Ethics

| Activity | Duration From | Duration To | Number of participants |
|--|---------------|-------------|------------------------|
| World environmental Day | 05/06/2019 | 12/06/2019 | 65 |
| World Heritage Day | 18/04/2019 | 22/04/2019 | 48 |
| World Museum Day | 18/05/2019 | 23/05/2019 | 55 |
| Republic Day | 26/01/2019 | 26/01/2019 | 300 |
| Independence Day | 15/08/2018 | 15/08/2018 | 400 |
| A Lecture cum workshop on News Photography | 19/01/2019 | 19/01/2019 | 30 |
| Induction Programme | 25/06/2019 | 25/06/2019 | 800 |
| International Yoga Day | 21/06/2019 | 21/06/2019 | 800 |
| National Integration Day | 19/11/2018 | 19/11/2018 | 600 |
| Koithulsavam (Harvest fest) | 23/07/2018 | 23/07/2018 | 100 |
| Sadbhavana day | 20/08/2018 | 20/08/2018 | 600 |
| Martiyers' Day | 30/01/2019 | 30/01/2019 | 600 |
| Swachhata hi Seva Campaign | 01/10/2018 | 05/10/2018 | 800 |
| Rashtriya Ekta Diwas | 31/10/2018 | 31/10/2018 | 600 |
| Science week celebration | 25/02/2019 | 01/03/2019 | 800 |
| Training programme for visually impaired students. | 02/03/2019 | 03/03/2019 | 50 |
| an Exhibition on War and Violence Science Week Celebrations. | 27/02/2019 | 28/02/2019 | 250 |

7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Green charter
2. Rain Harvesting System
3. Solar power Utilization/LED lamps
4. Plastic free campus
5. Green landscaping with trees and plants

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. Adoption of UGC mandate on employability, skill, MOOC and NAAC accreditation
2. Conducted Energy Audit in association with KSEB proposal initiated for talent bank

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<https://igac.keralauniversity.ac.in/ugcMandate.php>,
<https://igac.keralauniversity.ac.in/energyAudit.php>

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

Formulate Strategies to evolve as a Centre of Excellence in Higher Education focusing on equity, inclusiveness and societal linkage. The University would engage in teaching, research and extension services were the needs of the common man would be at the centre of all the above processes. • Enhance Faculty strength and Student strength. • Diversity of faculty and students in national and international context. • Upgrade and expand infrastructure. KIIFB and Govt. Support in this regard is being sought and proposals being processed. • Promote Research, Innovation and Startup (Enhance publication output 20 each year, incubate 50 startup in 5 years, state of the art laboratories). • Establish effective academic and industry linkage (Enter into MoUs each year with World Universities and Industries). The Research Council, Institution Innovation Council and IQAC to work jointly on this. University has a formed Center for Academic and Industrial Collaboration • Enhance quality in every aspects of university operation (Continuous documentation and analysis of performance in teaching and research). Mechanism for Energy Audit, Strengthening of Research processes and support for Research and Innovation planned. • Adoption of UGC Mandate for skill development programmes, MOOC courses and Startups.

Provide the weblink of the institution

<https://iqac.keralauniversity.ac.in/performance.php>

8.Future Plans of Actions for Next Academic Year

Examination ? Online submission of application for different examinations, downloading of hall tickets ? Online availability of question papers, tabulation of marks KU finance employee's portal ? Online direct payment of salary ? PF credit cards ? Leave details ? Income tax TDS filing Student portal ? Student admission, payment of fees, choice of courses, choice of SWAYAM course under MOOC Research portal ? Online submission of application and synopsis ? Choice of research guides ? Choice of research centres ? Research fellowships ? Course work