Yearly Status Report - 2019-2020

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.	**0471-2306634**
Mobile no.	**9400946909**
Registered Email	**vc@keralauniversity.ac.in**
Alternate Email	**vckeralauty@gmail.com**
Address	**University of Kerala Senate House Campus Palayam, Thiruvananthapuram**
City/Town	**Thiruvananthapuram**
State/UT	**Kerala**
Pincode	**695034**

2. Institutional Status

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

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	**https://iqac.keralauniversity.ac.in/a-q-a-r**

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**

7. Internal Quality Assurance System

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

Supporting UGC Paramarsh scheme.	17-Jun-2020 7		445
Workshop for Principals of the affiliated Colleges on	24-Feb-2020 1		325
Webinar on Fulbright-Nehru and other Fulbright fellowships	12-May-2020 1		224
Women Self Defence Training Programme	06-Nov-2019 6		434
National Education Policy	17-Jul-2019 1		105
K-DISC Young Innovators Programme	16-Jan-2020 3		65
Coaching classes for UGC NET examination	01-Dec-2019 2		120
Workshops on Outcome Based Education (OBE)	23-Jul-2019 15		200
Annual Curriculum Fair and Exhibition	13-Feb-2020 5		66
Training workshop for the faculty members	09-Jun-2020 3		200
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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 Tamil	Converting the Lexical Corpus in the Department of Tamil of the University of Kerala into a Lexical Data base for Lexicographic Applications	State Government	2019 1095	700000
Department of Futures Studies	"Bayesian density estimation based on ranked set sampling"	DST	2019 1095	660000
IUCGGT	Targeting Viral Silencing Supressors and RISC cleavage hotspots in conserved	SERB (DST)	2019 1095	19200000

	functional domains for artificial miRNA mediated virus resistance in black pepper (Piper nigrum L				
Department of Aquatic Biology & Fisheries	SAP	UGC	2015 1825	1400000
Department of Economics	SAP	UGC	2014 1825	1165000
Institute of English -Phase II	SAP	UGC	2015 1825	4039715
Department of Physics	SARD	KSCSTE	2017 1095	3150000
Department of Physics	Women Scientist Scheme A (WOS-A	DST	2018 730	1263000
Department of Biochemistry	ICMR	UGC	2016 1095	738360
Department of Biochemistry	ICMR	UGC	2018 730	856459
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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?	**No**

12. Significant contributions made by IQAC during the current year(maximum five bullets)

• **Academic Audit is being undertaken by each Department through a team of three experts who are Eminent Academicians/ Professionals/ Experts in the discipline and is external to the Department and the University.**

- Workshops on Outcome Based Education (OBE) were organized for strengthening curriculum content transaction and delivery with focused outcome.

- A mobile application named "Aacharya" is being developed for the teachers in the Teaching Departments. Through this app, the teachers can easily update the academic contributions and the same will be reflected in the teacher profile of our University as well.

- IQAC, University of Kerala is supporting the UGC Paramarsh scheme. Paramarsh scheme helps unaccredited colleges in securing accreditation. The mentor college Mar Ivanios College, Thiruvananthapuram had provided accreditation support for seven mentee colleges, including one in Nagaland

- Deliberation on National Education Policy: IQAC sought the opinion of all stakeholders on National Education Policy 2019 at a session held on 17 July at Seminar Hall, Department of Aquatic Biology and Fisheries, Kariavattom. HODs, faculty members, administrative staff, students, parents, recognized leaders from teachers unions, students and staff submitted their learned views in writing at the session. IQAC consolidated the same and submitted the views expressed to MHRD, Govt. of India.

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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
Training workshop for the faculty members	IQAC and CSS organized a training workshop for the faculty members of university departments, as per the schedule below: GROUP I: 09 June 2020: Science and Technology GROUP II: 10 June 2020: Social Sciences GROUP III: 11 June 2020: Arts and Humanities/Languages.
Webinar on the Fulbright-Nehru and other Fulbright fellowships	IQAC in collaboration with United States-India Educational Foundation conducted a webinar on the Fulbright-Nehru and other Fulbright fellowships, on May 12, 2020 (Tuesday) from 3 p.m. to 4.30 p.m. This virtual session provided information on the various Fulbright grants categories, disciplines that are offered, the application processes, guidelines. The session also provided tips on preparing a strong application.
Workshop for Principals of the affiliated Colleges on "Innovations in Teaching Learning Process"	College Development Council, University of Kerala organized a One Day Workshop for Principals of the affiliated Colleges on "Innovations in Teaching Learning Process" on 24th February 2020

	at Senate Chamber, University of Kerala
Coaching classes for students appearing for UGC NET examination	Kerala University Research Students' Union, in association with Internal Quality Assurance Cell (IQAC), University of Kerala, conducted the coaching classes for students appearing for UGC NET examination during June, 2019 and December, 2019. The UGC-NET coaching was organized at all the Saturdays and Sundays from 10 am to 4.30 pm. 120 students attended the programme.
A mobile application named "Aacharya"	A mobile application named "Aacharya" is being developed for the teachers in the Teaching Departments. Through this app, the teachers can easily update the academic contributions and the same will be reflected in the teacher profile of our University as well.
Workshops on Outcome Based Education	Workshops on Outcome Based Education (OBE) were organized for strengthening curriculum content transaction and delivery with focused outcome.
Academic Audit	Academic Audit is being undertaken by each Department through a team of three experts who are Eminent Academicians/ Professionals/ Experts in the discipline and external to the Department and the University. 18 departments have completed Academic Audit in their departments.
Induction Programme	University of Kerala hosted a 3 – tier induction programme for its newly admitted students in the 2020 batch. The 3 tier programme had a university level induction, school level induction as well as department level induction. Over 600 students were admitted to the 43 teaching departments representing disciplines in Sciences, Social Sciences, Arts, Humanities and Commerce.
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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:	Yes

Year of Submission	**2019**
Date of Submission	**17-May-2019**
17. Does the Institution have Management Information System ?	**Yes**
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	**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**

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
MSc	**820**	**Computational Biology**	**Nill**
MA	**831**	**English**	**Nill**
MA	**843**	**Russian**	**Nill**
MA	**828**	**German**	**Nill**
MA	**830**	**History**	**Nill**
MCom	**851**	**Global Business Operations**	**Nill**
MSc	**854**	**Data Science**	**Nill**
MA	**855**	**Malayalam Literature, Kerala Studies and Media Studies**	**Nill**
MSc	**850**	**Biodiversity Conservation**	**Nill**
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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
MA	Arabic- Language Technology and Communication	Nill	ARB-C-424	Nill
MA	Archeology - Principles and Methods in Archaeology	Nill	ARC-C-411	Nill
MSc	Biochemistry- Advanced Techniques in Biochemistry	Nill	BCH-C-412	Nill
MSc	Biotechnology- BIOPHYSICS AND INSTRUMENTATION	Nill	BTY-CC-513	Nill
MSc	Botany- Plant Tissue Culture	Nill	BOT-GC-501	Nill
MSc	Computer Science-Mathematics of Artificial Intelligence	Nill	CSC-CC-511	Nill
MSc	Demography- Introduction to Demography	Nill	DEM-CC-511	Nill
MA	Hindi- Translation: Theory & Practice	Nill	HIN –CC-542	Nill
MCom	Management Information System and Business Intelligence	Nill	COM-E-415	Nill
MSc	Modern Optics	Nill	OPE-C-611	Nill
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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
MSc	Mathematics with Finance and Cmputation	Nill
MA	West Asian studies	Nill
MCom	Global Business Operations	Nill
MSc	Biodiversity and conservation	Nill
MSc	Artificial Intelligence	Nill

MSc	Data Science	Nill
MA	PublicAdministration	Nill
MSc	Applied Statistics and Data Analytics	Nill
MSc	Applied Aqua Culture	Nill
MCom	Rural Management	Nill
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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
MSc	Biodiversity Conservation	Nill
MCom	Global Business Operations	Nill
MSc	Data Science	Nill
MA	Malayalam Literature, Kerala Studies and Media Studies	Nill
MA	Politics International Relations and Diplomacy	Nill
MA	Public Administration	Nill
MSc	Applied Statistics and Data Analytics	Nill
MA	West Asian Studies	Nill

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
Certificate in Library and Information Science	01/07/2019	325
Diploma in Computer Application	Nill	45
Certificate in Computerized Accounting	Nill	26
Certificate in Yoga and Meditation	Nill	33
Certificate in Communicative English and Public Speaking	Nill	13
P.G.Diploma in Counselling psychology	Nill	184
P.G.Diploma in Yoga Therapy	Nill	20
Certificate in Nursing Administration	Nill	20

PG Diploma in Development neurology	Nill	62
PG Diploma in Adolescent peadiatrics	Nill	16
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
MCom	M.com Finance	26
MSc	MSc Computational Biology & Bio Informatics	4
MSc	MSc Aquatic Biology and Fisheries	8
MA	MA Arabic Language & Literature	5
MA	MA Archaeology	10
MSc	MSc Biochemistry	13
MSc	MSc Biotechnology	36
MSc	M.Sc. Genetics and Plant Breeding	11
MSc	MSc Chemistry	25
MSc	MSc Computer Science	16
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

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	Biotechnology	14	708	14

MPhil	Genetics & Genomics	4	51	4
MPhil	Biochemistry	4	93	3
MSc	Biochemistry	12	500	14
MPhil	Arabic	1	17	Nill
MA	Arabic Language & Literature	18	65	16
MSc	Aquatic Biology and Fisheries	15	363	15
MPhil	Aquatic Biology and Fisheries	4	10	4
MPhil	Marine Science and Technology	2	2	1
MSc	Genetics and Plant breeding	17	638	17
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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
2019	Nill	938	Nill	202	Nill

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	Numberof smart classrooms	E-resources and techniques used
202	202	2	42	42	1
[View File of ICT Tools and resources]()					
[View File of E-resources and techniques used]()					

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
4231	202	1:21

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	202	96	49	186

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
2019	Prof. T. S. Anirudhan	Professor	UGC BSR faculty fellowship
2019	Dr. Divya C.Senan	Assistant Professor	Outreach Lecturing Fund Travel Award, Institute of International Education, NY, USA
2019	Dr. Divya C.Senan	Assistant Professor	BECC Fellowship, Morris S. Smith Foundation, USA
2019	Dr. Salom Gnana Thanga V.	Professor	Blue Charter Fellowship
2019	Dr. Manoj Changat	Professor	Individual Travel support from Commission for Development Countries International Mathematical Union (CDCIMA)
2019	Dr. Divya C.Senan	Assistant Professor	Best Teacher Educator National Award
2019	Dr.A.M.Unnikrishnan	Professor	Swarasandhya Sahithyapuraskaram

2019	Dr Indu K V	Assistant Professor	AIPC Janbhai puraskar at Tezpur, Assam
2019	Dr. Meena T. Pillai,.	Professor	Fulbright-Nehru Academic Professional Excellence Award
2019	Dr.Sindhya V	Assistant Professor	Best Teacher Educator National Award

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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
MCom	818	2019	10/07/2019	01/08/2019
MPhil	CHE 07	2019	06/12/2019	04/01/2020
MSc	813	2019	15/07/2019	02/08/2019
MPhil	BCH 07	2019	25/10/2019	19/12/2019
MPhil	GAG 711	2019	25/10/2019	19/12/2019
MSc	823	2019	26/07/2019	08/08/2019
MSc	815	2019	08/07/2019	24/08/2019
MSc	815	2020	20/04/2020	30/10/2020
MPhil	BOT 07	2019	11/12/2019	16/01/2020
MSc	817	2019	23/07/2019	27/08/2019

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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)

http://css.keralauniversity.ac.in/

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
FUS	Mtech	Futures	8	8	100

		Studies			
826	MSc	Environmental Sciences	11	11	100
ECO 07	MPhil	Economics	14	14	100
814	MSc	Biotechnology	15	15	100
815	MSc	Botany	17	17	100
817	MSc	Chemistry	17	16	94
COM 07	MPhil	Commerce	12	12	100
COB	MSc	Computational Biology	4	4	100
COS 821	MSc	Computer Science	25	23	92
ECO 824	MA	Economics	26	26	100

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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/student-annual-audit

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
National	Dr.Manju S.Nair	Concurrent Evaluation of National Food Security Act	Nill	Ministry of Food and Consumer Affairs, Govt of India
International	Dr.Manju S.Nair	NEXTFOOD – Educating the Next Generation Professionals in the Agrifood System	Nill	European Union H2020
National	Head and Honorary Director, Department of Economics	STUDY ON THE COST OF CULTIVATION OF PRINCIPAL CROPS IN KERALA	Nill	Ministry of Aggriculture and Farmers Welfare, Government of India
National	Dr. E A Siril and Dr. A Gangaprasad	Survey and analysis onethn obotanical resources-	Nill	Kerala State Biodiversity Board
National	Dr.	Study on	Nill	Kerala State

	Kamarudeenkunju Dr S Suhara Beevy S	Invasive alien species in the flood affaected area of Karthikapally taluk		Biodiversity Board

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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
University JRF	1095	University of Kerala
UGC-JRF	1095	UGC
Research Associate	365	Department of Higher Education, Govt. of Kerala
CSIR-UGC- JRF	1825	CSIR
JRF KSCSTE	1825	KSCSTE
E-Grantz	1460	SC/ST Department
UGC- BSR Project Fellowship	1095	UGC
SIUCEB	305	DBT
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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
Minor Projects	730	Government	100000	Nill
Minor Projects	1095	Government	4132000	Nill
Minor Projects	730	KSCSTE	1433000	Nill
Minor Projects	730	ICSSR	900000	Nill
Minor Projects	730	Kerala State Pollution Control Board	1053000	Nill
Interdisciplinary Projects	365	DST-NRDMS	400000	Nill
Interdisciplinary Projects	365	GIAN Program, MHRD	568000	Nill
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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
Fiscal Stability and State Policy: Recent Trends in India	Department of Economics	18/11/2019
Three Day national Seminar on Relevance of Yogasastra in the Modern Era	Department of Sanskrit	23/10/2019
Seminar on Practical Vedanta and Swami Vivekananda	Department of Sanskrit	13/02/2020
Webinar - Talk on Research Methodology in Music- Dr G Bhuvaneswari, Associate Professor Head(Retd) Dept of Music, Maharajas college, Ernakulam delivered a talk on Music Therapy	Department of Music	29/06/2020
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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
HEF academic excellence award	Dr.K.S.Chandrasekar	Bharathiar University	Nill	Faculty
World Bank Trust Fund for Statistical Capacity Building	Dr. Manoj Chacko	World Bank	Nill	Faculty
Best poster- student category	Saranya R Chandran	KSCSTE	Nill	Student
Best Paper presenter	Jayalekshmi J S	University of Kerala	Nill	Student
PKB Nair Award	Dept. of Sociology	KSS	Nill	Institution
National Award: 2D Charecter Animation Program- Huge Views in the 23rd All India Children's Educational Audio-Video festival ICT Media,2019	Chandralekha C S	CIET, NCERT MHRD	Nill	Research Scholar
Most Fabulous Professors	Dr. Bindu R L	World HRD Congress	Nill	Faculty

(India)				
Distinguished alumni of BSMED	Dr.K.S.Chandrasekar	Journal of fisheries and aquatic research 2020	Nill	Faculty
T.S.K. Moothathu Best Paper Award	Jitto Jose	Kerala Statistical Association	Nill	Research Scholar-
Young Research Scholar Award-2020	Mohideenbawa Rizwan	Environmental Advisory for Sustainable Trust (EAST)	Nill	Research Scholar

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
Nill	Nill	Nill	AUGGEN21	Company	Nill

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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Futures Studies	3
Geology	2
IMK	5
Law	4
Linguistic	7
Malayalam	2
Mathematics	5
Music,	2
Nanoscience and Nanotechnology	3
Optoelectronics	11
Physics	1
Political Science	1
Psychology	8
Sociology	13
Tamil	2
Russian	1
Statistics	4
Zoology	2
Aquatic Biology and Fisheries	6
Arabic	3
Biochemistry	5

Botany	13
Computational Biology and Bioinformatics	1
Computer Science	3
Education	10
Economics	8
English	12
Environmental Sciences	6

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	Computer Science	10	1.8
International	Environmental Sciences	7	3.45
International	Futures Studies	15	3.13
International	Aquatic Biology Fisheries	26	1.70
International	Archaeology	1	1.75
International	Biochemistry	2	3.14
International	Botany	8	2.42
International	Chemistry	23	3.9
National	Commerce	22	6.3
International	Computational Biology Bioinformatics	4	3.37
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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
Institute of English	2
Education	6
Computational Biology and Bioinformatics	2
Biotechnology	3
Biochemistry	18
Archaeology	42
Aquatic Biology Fisheries	9
Botany	65
Computer Science	4
Economics	3
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3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
IOT Architecture for manufacture of similar products	Published	Nill	Nill
CRYSTALLINE CHITIN NANO WHISKER AND COMPOSITES THEREOF	Published	329388	14/01/2020

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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
A taxonomic review of the genus Joryma Bowman and Tareen, 1983 (Crustacea: Isopoda: Cymothoidae) parasitizing the marine fishes from Indian waters, with a description of a new species	Aneesh, P.T., Helna, A.K., Trilles, J.P. and Kailash Chandra	Marine Biodiversity	2019	Nill	Nill	Nill
Occurrence and redescription of Anilocra leptosoma Bleeker, 1857 (Crustacea: isopoda: Cymothoidae) parasitizing the clupeid fish Tenualosa toli (Vale	Aneesh, P.T., Helna, A.K., Trilles, J.P. and Kailash Chandra	Marine Biodiversity	2019	Nill	Nill	Nill

nciennes) from the Arabian Sea, India						
Morphological Abnormalities of Indian Ring Skate, Orbiraja powelli (Alcock, 1898) (Rajiformes: Rajidae) Collected in the Southwest Coast of India	Bhagyalekshmi, V. and Biju Kumar, A.	Thalassas: An International Journal of Marine Sciences	2019	Nill	Nill	Nill
Jurassic invaders: flood-associated occurrence of arapaima and alligator gar in the rivers of Kerala	Biju Kumar, A., Smrithy Raj, Arjun, C.P., Unmesh Katwate and Rajeev Raghavan	Current Science	2019	Nill	Nill	Nill
New records of two brachyuran crabs (Crustacea: Decapoda), Naxioides robillardi (Miers, 1882) (Epialtidae) and Lupocyclus tugelae Barnard, 1950 (Portunidae) from India.	Devi, S.D., Biju Kumar, A. and Ng, PKL.	Thalassas: An International Journal of Marine Sciences	2019	Nill	Nill	Nill
On a collection of	Devi, S.D., Mendoza,	Zootaxa	2019	Nill	Nill	Nill

brachyuran crabs from Lakshadweep, Indian Ocean (Crustacea: Decapoda: Brachyura).	J.C.E., Ravinesh, A., Indress Babu, Biju Kumar, A. and Ng, P.K.L.						
Redescription of the little known hermit crab, Clibanarius clibanarius (Herbst, 1791) (Decapoda: Anomura: Diogenidae), based on material from southern India and type material.	Komai, T., Reshmi, R, Rahayu, D.L. and Biju Kumar, A.	Zootaxa	2019	Nill	Nill	Nill
A collection of crabs (Crustacea, Brachyura) from the southwestern coast of India, with a discussion of the systematic position of Nectopanope Wood-Mason in Wood-Mason Alcock, 1891 (Euryplacidae).	Ng PKL, Priyaja P, Kumar AB, Devi SS	Zoo Keys	2019	Nill	Nill	Nill
First Record of Rhizostome Jellyfish Catostylus perezi Ranson	Riyas, A., Biju Kumar, A. and Vakani, B.	Thalassas: An International Journal of Marine Sciences	2019	Nill	Nill	Nill

		Crustace ana	2019	Nill	Nill	Nill
Molecular phylogeny of Clibana rius Dana, 1852 from the Indo- west Pacific: evolution of pereopod colour pattern and habitat adaptation	Yoshikawa, A., Ikeo, K., Imoto, J., Jaingam, W., Putri, L.S.E., Ma rdiansyah, Biju Kumar, A. and Asakura, A.					

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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
Climate change imp lications on Inland Aquatic Ecosystems and Fisheries of Kerala.	Biju Kumar A.	Impact of Climate Change on Fisheries Sector (Kurian, PH, Ed.).	2019	Nill	Nill	Institute for Climate Change Studies, Kottayam, India
Climate change, freshwater ecosystems and inland fisheries: Implicatio ns for Kerala.	Biju Kumar, A. and Suvarna Devi, S.	Impact of Climate Change on Fisheries Sector (Kurian, PH, Ed.).	2019	Nill	Nill	Institute for Climate Change Studies, Kottayam, India
The biod iversity of Indian Ocean benthos and taxonomic impediment	Biju Kumar, A	Compendium on Advances in Benthic Studies: Souvenir of the Int	2019	Nill	Nill	Director ate of Pub lications, Cochin University of Science and Techno logy,

: The way forward.		ernational Conference on Benthos (ICB 2019)				Kochi, India
Climate Change Impact on estuarine biodiversity: Challenges of India.	Biju Kumar A.	Proceedings of the National Seminar on Environmental Status of Estuarine and Coastal Ecosystems (ECEI-2019)	2019	Nill	Nill	Department of Environmental Sciences, University of Kerala
Bioprospecting of Marine Sponge Associated Fungi for Antioxidant and Neuroprotective Activity in Raw 264.7 Cells.	Marimuthu N, Aneesh PT, Paamasivam K.	Faunal Diversity of Biogeographic Zones: Coasts of India	2020	Nill	Nill	Nill
Stomatopods.	Biju Kumar A. and Suvarna Devi, S.	Biodiversity and Livelihood: Lessons from Community Research in India	2020	Nill	Nill	Nill
Climate change and its impacts on marine fisheries and livelihood: an Indian perspective.	Mini Mohandas and Kurian Mathew Abraham	Proceedings of the International Conference on Conservation of Mangrove Ecosystem: Synergies for Fishery Potential	2020	Nill	Nill	Nill
Aswani S S, Elbin Sam G, Sreelekshmi G Jayan,	Dr. Saja K.	Effect of chrysin on the expression of ADAMTS	2019	Nill	Nill	Nill

Aparna N S, Mithra S Mohan and Saja K		4 in Foam cells SIRT3 mediated regulation of cardiac mitochondrial metabolism in response to norepinephrine an in vitro study				
Mithra S Mohan, Aswani S S, Aparna N S, Elbin Sam G, P R Sudhakaran, K Saja	Dr. Saja K.	Nill	2019	Nill	Nill	Nill
New Insights into the Pharmaceutical and Food Based Applications of Starch Nanocrystals	Dr. Neethu Hari,Dr. Supriya R, Dr. A. Jayakumaran Nair	Nanotechnology in Biology and Medicine: Research Advancements Future Perspectives	2019	Nill	Nill	Nill
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3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Presented papers	140	119	8	Nill
Resource persons	10	32	10	Nill
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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)
Aquatic Biology and Fisheries	Marine Ecological Studies of Adani Vizhinjam Port. Project Cost:	Adani Port Trust	2129900
Botany	Eleusina coracana	Mpharm, Mar Diascorus college of Pharmacy, TVPM	118

Botany	Zingiber officinale	Mpharm, Mar Diascorus college of Pharmacy, TVPM	118
Botany	Curcuma longa	Mpharm, Mar Diascorus college of Pharmacy, TVPM	118
Botany	Cinnamomum verum	Mpharm, Mar Diascorus college of Pharmacy, TVPM	118
Botany	Lawsonia inermis	Mpharm, Mar Diascorus college of Pharmacy, TVPM	118
Botany	Linnum usitatissimum	Mpharm, Mar Diascorus college of Pharmacy, TVPM	118
Botany	Trigonella foenum-graceum	Mpharm, Mar Diascorus college of Pharmacy, TVPM	118
Botany	Musa paradisiaca (palayankodan)	Mpharm, Mar Diascorus college of Pharmacy, TVPM	118
Botany	Basella alba L Talinum portulacifolium	Dept. of Biochemistry, University of Kerala	236

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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
Botany	B.Sc Project	Arts college, Trivandrum	46000	23
Botany	M.Sc. Project	Arts college, Trivandrum	2000	2
Botany	M.Sc. Project	A J College of Arts and Science	18000	3
Chemistry	Instrumention analysis DLS	Dept. of Physics, University of Kerala	1050	3
Chemistry	Instrumention analysisDLS	S.N College, Kollam	1050	1
Chemistry	Instrumention analysisDLS	Madras Christian College	630	1
Chemistry	Instrumention analysisAAS	Madras Christian College	105	1

Chemistry	Instrumention analysisAAS	S.N College, Varkala	105	1
Chemistry	Instrumention analysisAAS	Lourde Matha College	420	1
Chemistry	Instrumention analysisDLS	Dept. of Chemistry, University of Kerala	1155	3
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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
DCJ Mega Alumni Meet 2020	DCJ Alumni Association, University of Kerala	4	126
Simulated Press Meet Exercise-3	Kanthari International	4	38
State Level Workshop on Methods of Effective Teaching and Leadership	Dept. of Arabic, University of Kerala	3	41
Pre Marital counselling Programme	DEPARTMENT OF MINORITY WELFARE	3	64
International Conference on Rivers for Future (RFF, 2020)	Department of Aquatic Biology and Fisheries, University of Kerala	5	134
Annual National Conference on Sustainable Ecosystems, Aquaculture, Fisheries and Fisherfolk (ANCOSEAFF, 2019)	Department of Aquatic Biology and Fisheries, University of Kerala	5	120
Webinar: Post- Covid Era: Mainstreaming Biodiversity and Nature in Development Agenda	CISSA and Navdanya, University of Kerala	5	421
VOYO" (Voice of Youth for Oceans)	University of Kerala	3	126
Vakkom Moulavi	NCPUL/MHRD	3	70

Lecture			
Open Day Exhibition at the Department 2020 as part of Science Week Celebrations	Dept. of Communication and Journalism, University of Kerala	4	422

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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
Scientific documentation and labelling of trees in Pangode military station by Dr- T S Swapna , Dr Remya Krishnan RV , Ms Smitha Sundar	Recognition	Station Haeadquarters , Pangode , Thirumala P O , Thiruvananthapuram	3
Trees of Kerala Raj Bhavan -Indias First Raj Bhavan with Digital garden	Indias First Raj Bhavan with Digital garden	Raj Bhavan, Kerala	4
Vasantholsavam – Flower show	First prize - 1 , Second prize- 4, Third prize - 6	Government of Kerala , Kerala Tourism Department , DTDC, Thiruvananthapuram	10
'Conservation strategies and in vitro production of anthraquinones in Gynochthodes umbellata (L.) Razafim. B. Bremer (Rubiaceae)-a potential dye yielding plant'	Best Project Award 2017-2018	University of Kerala	1
Vasantholsavam – Flower show	First prize - 4 , Second prize- 5, Third prize - 1	Government of Kerala , Kerala Tourism Department , DTDC, Thiruvananthapuram	10
Dr.Divya C.Senan, Department of Education, University of Kerala	Best Teacher Educator National Award	National Council for Teacher education, MHRD, Govt. of India	1
Dr.Sindhya V., Department of Education, University of Kerala	Best Teacher Educator National Award	National Council for Teacher education, MHRD, Govt. of India	1

Dr. S. Sankararaman, Department of Optoelectronics, University of Kerala	Academic excellence award 2020 - Highest number of papers	University of Kerala	1
Dr. K.G.Gopchandran, Department of Optoelectronics, University of Kerala	Academic excellence award 2020 - Highest impact factor	University of Kerala	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 activites	Number of students participated in such activites
Awaareness programme	Department of Education, University of Kerala	Climatehood	6	75
Gender Issue	Department of Mathematics, University of Kerala	Women Empowerment Seminar	3	40
Gender Issue	Institute of English, University of Kerala	Discussion on Identity, Desire and Sexuality: Feminism and Psychoanalysis	8	37
Swachh Bharat	Department of Mathematics	premonsoon Cleaning	3	25
Voice of Youth for Oceans	Department of Aquatic Biology and Fisheries, University of Kerala	VOYO" (Voice of Youth for Oceans)	5	126
Post Covid Era	Department of Aquatic Biology and Fisheries -CISSA and Navdanya, University of Kerala	Webinar: Post-Covid Era: Mainstreaming Biodiversity and Nature in Development Agenda	5	421
Swachh Bharat	Department of Aquatic Biology and Fisheries, University of Kerala	International Conference on Rivers for Future (RFF, 2020)	5	134
ANCOSEAFF	Department of	Annual	5	120

	Aquatic Biology and Fisheries, University of Kerala	National Conference on Sustainable Ecosystems, Aquaculture, Fisheries and Fisherfolk (ANCOSEAFF, 2019)		
Swachh Bharat	Department of Communication and Journalism, University of Kerala	Revive Vellayani mission with Students of DCJ	4	36
Open Day Exhibition	Department of Communication and Journalism, University of Kerala	Science Week Celebrations2019	4	422
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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
Herbarium digitization	Department of Botany, University of Kerala	JNTBGRI KSCSTE	547
Conducting joint research and development project, Cooperation in individual projects, Joint proposal submissions, Organization of lectures, symposia, international meetings, conferences and workshops, Search for opportunities to collaborate in the f	Department of Statistics, University of Kerala	Cognub decision Solutions, Pvt Ltd. Thejaswani Buildings, Technopark	1825
Research collaboration	Department of Aquatic Biology & Fisheries, University of Kerala	Center of Excellence for the Oceans,National Taiwan Ocean University	1825
To develop collaborative teaching, research and development	Department of Computational Biology and Bioinformatics	Sequoia AT India (P) Ltd with operations in Technopark Thiruvan	730

		anthapurarn,(Sequoia Applied Technologies, a California corporation)	
for the purpose of advanced study, research or other academic events	University of Kerala	SCMS Group of Educational Institutions, Aluva, Kerala, India	1095
To develop collaborative teaching, research and development	Department of Political Science, University of Kerala	University of Warsaw, Poland	1825
Concurrent evaluation of NFSA in the state of Kerala	Department of Economics, University of Kerala	Ministry of Food and Consumer Affairs, Govt. of India	1095
Faculty and Student Exchange	Department of Political Science, University of Kerala	University of Shandong,China1095	1095

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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 research activities	Joint research activities, Special short- term academic programmes	University of Warsaw, Poland	09/07/2019	Nill	Department of Political Science, University of Kerala
Research and Project work	Submission of Joint Projects, Joint research work in the area of EMI shielding	Korean Institute for Ceramic Engineering and Technology	11/12/2019	Nill	Department of Physics, Department of Optoelectronics, University of Kerala
Joint research and deveiopment projects	for the purpose of advanced study, research or other academic	SCMS Group of Educational Institutions , Aluva, Kerala, India	30/08/2019	Nill	University of Kerala

		events			
Joint research and deveiopment projects	to develop academic and educational cooperation	CSIR- National Institute for Interdis ciplinary Science Technology at Industrial Estate P.O. , Thiruvanan thapuram, Kerala	20/08/2019	Nill	Department of Biochemis try, University of Kerala

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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
CSIR -National Institute for Interdisciplinary Science Technology at Industrial Estate P.O. , Thiruvananthapuram, Kerala	20/08/2019	to develop academic and educational cooperation includirr$ joint research and development projects.	Nill
ICRAF Innovations Pvt. Ltd. Thiruvananthapuram	17/10/2019	To develop collaborative teaching, research and development	Nill
SCMS Group of Educational Institutions, Aluva, Kerala, India	30/08/2019	for the purpose of advanced study, research or other academic events	Nill
Sequoia AT India (P) Ltd with operations in Technopark Thiruvan anthapurarn,(Sequoi a Applied Technologies, a California corporation)	17/10/2019	To develop collaborative teaching, research and development	Nill
Korean Institute for Ceramic Engineering and Technology	06/08/2019	Submission of Joint Projects, Joint research work in the area of EMI shielding	Nill
Center of Excellence for the	06/08/2019	establish research	Nill

Oceans, National Taiwan Ocean University		collaboration on aquatic taxonomy,marine biodiversity documentation and integrate taxonomic database into an information system that can be utilized by signatory parties, governments and the public.	

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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
8335.15	2712.86

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Seminar Halls	Existing
Class rooms	Existing
Seminar halls with ICT facilities	Existing
Classrooms with Wi-Fi OR LAN	Existing
Classrooms with LCD facilities	Existing

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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 patially)	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	310946	Nill	3699	Nill	314645	Nill
Reference Books	12500	Nill	4396	Nill	16896	Nill
Digital Database	4280	Nill	18	Nill	4298	Nill
Others(specify)	6201	Nill	168	Nill	6369	Nill
e-Books	300	Nill	Nill	Nill	300	Nill

e-Journals	20	Nill	Nill	Nill	20	Nill
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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
Philomina Simon	Data Warehousing and Data warehousing schemas	Youtube	Nill
Philomina Simon	Data Architecture	Youtube	Nill
Philomina Simon	Data Mining Task Primitives	Youtube	Nill
Philomina Simon	Learning: How to learn	Youtube	Nill
Siddik R	Lecture on Losing Autonomy in a Democratic Economy: A Case of GST	Youtube	Nill
Siddik R	Transforming Post Flood Kerala Issue in Financing	Youtube	Nill
Siddik R	Law and Economics Lecture 01	Youtube	Nill
Siddik R	Law and Economics Lecture 02	Youtube	Nill
Dr. R. Jayakrishnan	Space Age Materials and Technologies	Institutonal LMS	Nill
Dr. R. Jayakrishnan	Renewable Energy	Institutonal LMS	Nill
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	2650	44	42	4	1	1	0	10	0
Added	100	2	2	0	0	0	0	0	0
Total	2750	46	44	4	1	1	0	10	0

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

10 MBPS/ GBPS

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	https://lms.keralauniversity.ac.in/
KU-Padasala	https://www.keralauniversity.ac.in/ku-padasala/home

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 incurredon maintenance of physical facilites
5254.14	5016.03	3952.59	773.18

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

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 junior research fellowship	7	1008000
Financial Support from Other Sources			
a) National	E GRANTZ, KSCSTE, INSPIRE, CSIR, ICSSR, ICMR,DST WOS-A	118	Nill
b)International	Nill	Nill	Nill
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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 implemetation	Number of students enrolled	Agencies involved
Computer awareness	16/07/2019	60	Dept. of Computer Science
Micro History Skill Development	06/08/2019	64	Dept. of History
Free Software for Data Analysis for Research	16/07/2019	60	Dept. of History
Skill and Employment(Introduction to Microsoft office power point and excel by)	18/08/2019	13	Dept. of Tamil
Writing History Skill Development	06/08/2019	64	Dept. of History
Hindi Language Lab	14/11/2019	24	Dept. of Hindi
Academic –Industry Conclave on Transforming your Academic Skills for Industry Requirements	26/11/2019	32	Dept. of Futures Studies
Exercise for Health (73)	17/08/2019	73	Dept. of Political Science
Talk on Research Methodology	03/10/2019	26	Institute of English
Ethical aspects of Social and Behavioral Research	14/12/2019	30	Dept. of Demography

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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 passedin the comp. exam	Number of studentsp placed
2019	UGC NET- JRF Coaching	37	Nill	35	Nill
2019	one lecture on Emerging Issues and concern in International Relations	60	Nill	Nill	Nill
2019	Psychology in 21st century: career trend and future	30	20	Nill	Nill
2019	Familiarise new career trends	Nill	30	Nill	6
2019	Orientation Class on UGC NET	20	Nill	10	5
2019	Career selection and employment	30	15	Nill	Nill
2019	IT skills improvement programmes	45	30	Nill	Nill
2019	Android app development by IITMK team lead by Mr. Lal Prakash	15	5	Nill	Nill
		[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
56	42	15

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
Asianet News, Trivandrum	2	1	Nill	Nill	Nill

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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
2019	2	M. Sc, M. Phil	Dept. of Computational Biology and Bioinformatics	University of Kerala	M. Phil, Ph.D
2019	6	M. Sc, M.Phil, Ph.D	Dept. of Psychology	University of Kerala	M.Phil, Ph.D, PDF
2019	2	MPhil	Dept. of Computer Science	University of Kerala	Ph.D,
2019	8	MA, Mphil, PhD	Dept. of Political Science	University of Kerala	Ph.D, PDF
2019	4	MA, M Sc, M Phil	Dept. of Linguistics	University of Kerala	M. Phil, Ph.D
2019	7	MA, M Phil	Dept. of Archaeology	University of Kerala	M. Phil, Ph.D
2019	2	MA	Dept. of German	The United Theological College, Bangalore (UTC)	Master of Theology, EDM Management
2019	2	MA, M. Phil	Dept. of Arabic	University of Kerala	M. Phil, Ph.D
2019	3	MA	Institute of English	University of Kerala	Ph.D
2019	4	MSc, MPhil, PhD	Dept. of Biochemistry	University of Kerala	MPhil, PhD, PDF

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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	108

SLET	10
GATE	2
GMAT	3
Civil Services	2
Any Other	10
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
MAPPILAPPATTU - FEMALE	First, Second, Third	5
MAPPILAPPATTU - MALE	First, Second, Third	5
LIGHT MUSIC - MALE	First, Second, Third	3
LIGHT MUSIC - FEMALE	First, Second, Third	3
CLASSICAL MUSIC - MALE	First, Second, Third	4
CLASSICAL MUSIC - FEMALE	First, Second, Third	10
HINDUSTANI CLASSICAL VOCAL - MALE	First, Second, Third	3
HINDUSTANI CLASSICAL VOCAL - FEMALE	First, Second, Third	3
GAZAL - MALE	First, Second, Third	6
GAZAL - FEMALE	First, Second, Third	9
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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/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Kerala University Youth Festival	National	Nill	2	Nill	Suhail M
2019	First Price in Kerala University Inter Collegiate (Inter Zone) Aquatics (Men) Championship	National	8	Nill	Nill	Suneesh S.
2019	Athletics Tournament	National	1	Nill	Nill	AmalPrakash

2019	of Association of Indian Universities-4x100mtrs Relay					
2019	Kerala University inter collegiate (interzone) Athletics (Men) Championship-100 meters (race)	National	1	Nill	Nill	AmalPrakash
2019	Inter Collegate Competition - Dance and Drama	National	Nill	1	Nill	Anjana B S
2019	Faculty level three-minute thesis presentation competition	National	Nill	1	Nill	Vijayasree
2019	Faculty level three-minute thesis presentation competition	National	Nill	1	Nill	Lavanya Sivan
2019	Kerala University Youth Festival- English debate	National	Nill	1	Nill	Nandana Krishnan G.S.
2019	Kerala University Youth Festival- Malayalam debate	National	Nill	1	Nill	Harishna M.U.
2019	Kerala University Youth Festival - Elocution in Arabic	National	Nill	3	Nill	Shamsadali M
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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, Inter Collegiate 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

Founded in 2005, the University of Kerala Alumni Association (UKAA) creates and maintains a life-long connection between the University of Kerala and its alumni. UKAA is registered under the Travancore-Cochin Literary, Scientific and Charitable Societies Registration Act, 1955. Mission The mission of the Association is to advance the strong relationship between alumni and the University, to keep alumni informed, and create a network facilitating them to remain engaged with their alma mater and help shape its future through the Association's activities. Objectives to promote contact and communication amongst members of the Association and between the Association and the University and other academic bodies/organizations and to provide a forum for the members of the Association for exchange of experience, information and views to assist students and scholars of the University and members of the Association in their academic pursuits and professional careers to raise funds for the University and to take up any other activity in furtherance of the objectives stated above.

5.4.2 – No. of registered Alumni:

3049

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

1137119

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
Library, ICT and Physical Infrastructure / Instrumentation	https://www.keralauniversity.ac.in/e-content
Teaching and Learning	• IQAC and CSS organized a training workshop for the faculty members of university departments, as per the schedule below: GROUP I: 09 June 2020: Science and Technology GROUP II: 10 June 2020: Social Sciences GROUP III: 11 June 2020: Arts and Humanities/Languages.
Research and Development	• IQAC in collaboration with United States-India Educational Foundation conducted a webinar on the Fulbright-Nehru and other Fulbright fellowships, on May 12, 2020 (Tuesday) from 3 p.m. to 4.30 p.m. This virtual session provided information on the various Fulbright grants categories, disciplines that are offered, the application processes, guidelines. The session also provided tips on preparing a strong application.
Library, ICT and Physical Infrastructure / Instrumentation	• A mobile application named Aacharya is being developed for the teachers in the Teaching Departments. Through this app, the teachers can easily update the academic contributions and the same will be reflected in the teacher profile of our University as well.

	There are nine modules in the app- publications, presentations, invited talks, patents, projects, etc. This app will definitely help the teachers to prepare their updated profile/data for different purposes. Data collection, on a one time basis, is in progress for uploading to the app.
Curriculum Development	On 23rd July 2019 with Prof. E. Ramganesh, Professor, Bharathidasan University, and Dr. Edamana Prasad, Professor, IIT Madras as Resource Persons for imparting training to faculty members of teaching departments of the University.
Teaching and Learning	University of Kerala had made it mandatory to adopt LMS under CSS from 2019 onwards and we have provided several introductory training sessions on the relevance and use of the same. However, most of the teachers are yet to adopt the same. • In continuation to the Online training programme on LMS conducted during 2020, a two-day Add-on online training programme on LMS was conducted on 2-3, November 2020.
Curriculum Development	The Fifth Annual Curriculum Fair and Exhibition was held during 13-17 February, 2020 jointly organized by Curriculum Development Centre, Department of Education, IQAC, University of Kerala and FLAIR, Govt. of Kerala.
Research and Development	Kerala University Research Students' Union, in association with Internal Quality Assurance Cell (IQAC), University of Kerala, conducted the coaching classes for students appearing for UGC NET examination during June, 2019 and December, 2019. The UGC-NET coaching was organized at all the Saturdays and Sundays from 10 am to 4.30 pm. 120 students attended the programme. • To expose young students to the cycle of innovation and to promote a culture of Innovation in Kerala, K-DISC's Young Innovators Programme (YIP) 2019 is designed to create a deeper imprint on the academic system in the state. • Facilitators and mentors were nominated from teaching departments of the University for the programme. The ideas, submitted by the groups of the University, were adjudged as one among the hundred and two best innovative ideas for YIP 2019-22.

Industry Interaction / Collaboration	As part of the implementation of ASAP Green Room for Transformative Learning, a joint initiative of the University of Kerala and Additional Skill Acquisition Programme (ASAP) of Government of Kerala a two day online Skill Acquisition Session was organized for the research scholars and PG students of the University of Kerala. The online sessions were held on 05 06 August 2020 through the Google Meet Licensed Platform of the University of Kerala.
Industry Interaction / Collaboration	To expose young students to the cycle of innovation and to promote a culture of Innovation in Kerala, K-DISC's Young Innovators Programme (YIP) 2019 is designed to create a deeper imprint on the academic system in the state. • Facilitators and mentors were nominated from teaching departments of the University for the programme. The ideas, submitted by the groups of the University, were adjudged as one among the hundred and two best innovative ideas for YIP 2019-22.
Teaching and Learning	College Development Council, University of Kerala organized a One Day Workshop for Principals of the affiliated Colleges on "Innovations in Teaching Learning Process" on 24th February 2020 at Senate Chamber, University of Kerala.
Industry Interaction / Collaboration	Dr. T. M. Thomas Isaac, Hon'ble Minister for Finance and Coir inaugurated and delivered the inaugural address for the flagship programme 'Meet the Scholar' initiated by the University of Kerala on 28th October 2020 at 5 p.m. through video conference.
Human Resource Management	The Hon'ble Vice-Chancellor resolved in the meeting of Heads of Teaching Departments and IQAC, launched a Clean Campus Drive Programme during 2- 6 November 2020. The Hon'ble Vice-Chancellor inaugurated the programme on 2nd November 2020 at Kariavattom Campus. The objective was to keep the campus clean and maintain cleanliness and hygiene.
Admission of Students	University of Kerala hosted a 3 – tier induction programme for its newly admitted students in the 2020 batch. The 3 tier programme had a university level induction, school level induction as well as department level induction.

	Over 600 students were admitted to the 43 teaching departments representing disciplines in Sciences, Social Sciences, Arts, Humanities and Commerce.

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

E-governace area	Details
Administration	http://14.139.185.72/ddfs/login.do
Examination	https://exams.keralauniversity.ac.in/ https://pay.keralauniversity.ac.in/kupay/home
Student Admission and Support	https://admissions.keralauniversity.ac.in/
Finance and Accounts	http://www.kufinance.info/

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	Dr. Jayachandran R	DCDC- to attend three day faculty orientation programme for Faculty induction by UGC, MHRD South West Zone	University of Kerala	75000
2019	Dr.E.Shaji	World Forum of Climate Justice 2019, United Kingdom	World Forum on Climate Justice	74692
2020	Dr.E.Shaji	International World Forum on Climate Justice 2019 – Caledonian University, Glasgow, U K	SERB	56486
2020	Dr.Sony George	International Symposium on Trends in Radio Pharmaseuticals (ISTR 2019) – Vienna, Austria	SERB	74692
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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	English Language Literature	Nill	06/08/2019	20/08/2019	57	Nill
2019	Mathematics	Nill	17/09/2019	30/09/2019	52	Nill
2019	Hindi Language Literature	Nill	18/10/2019	31/10/2019	46	Nill
2019	Womens' Studies and Women Empowerment (Multidisciplinary)	Nill	01/11/2019	14/11/2019	65	Nill
2019	Library Science	Nill	06/11/2019	19/11/2019	29	Nill
2019	Materials Science (Interdisciplinary)	Nill	21/11/2019	04/12/2019	66	Nill
2019	Winter School (Multidisciplinary)	Nill	05/12/2019	18/12/2019	71	Nill
2019	Summer School (Multidisciplinary)	Nill	09/07/2019	22/07/2019	59	Nill
2019	Life Sciences (Interdisciplinary)	Nill	11/07/2019	24/07/2019	56	Nill
2019	Commerce Management	Nill	01/08/2019	14/08/2019	55	Nill
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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
Refresher course in	64	31/01/2020	13/02/2020	10

Curriculum Design, Implementation and Learning outcome organised by UGC -HRDC , University of Kerala				
Refresher course in Material science at UGC-Human Resource Development Centre, University of Kerala	66	21/11/2019	04/12/2019	10
Short term course on Disaster Management	57	23/07/2019	29/07/2019	7
Orientation Programme	61	16/10/2019	05/11/2019	15
National workshop on design and development of MOOCs organised by the centre for educational technology, dept of education , university of kerala	Nill	02/12/2019	08/12/2019	7
Refresher Course in English Language Teaching	Nill	02/12/2019	14/12/2019	13
FDP- ICT Tools for Online Learning	Nill	20/04/2020	28/04/2020	9
Short term course in Research Methodology at UGC HRDC, University of Kerala	63	19/02/2020	25/02/2020	7
Managing online classes and co-creating MOOCS by	Nill	20/04/2020	06/05/2020	17

Teaching Learning Centre, Ramanujan College, University of Delhi				
UGC Refresher programme citation network analysis and exploratory data analysis using R(Multi-disciplinary) conducted by the UGC- HRDC, University of Kerala, Kerala	Nill	18/02/2020	02/03/2020	15

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
49	136	128	128

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
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.	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	Transportation facility, health check up and medical facilities, student amenity centre

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
Department of Arabic, Geology, Bioinformatics, Aquatic Biology and Fisheries	96946	Fee for Translation of Documents and fee for project work

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6.4.3 – Total corpus fund generated

35033.50

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	Nill
Administrative	No	Nill	No	Nill

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	Academic Audit is being undertaken by each Department through a team of three experts who are Eminent Academicians / Profession als/ Experts in the discipline and is external to the Department and the University	Nill	Nill	Nill	18
2019	Workshops on Outcome Based Education (OBE) were organized for strength ening curriculum content transaction and delivery with focused outcome	23/07/2019	23/07/2019	12/08/2019	200

2019	A mobile application named Aacharya is being developed for the teachers in the Teaching Departments. Through this app, the teachers can easily update the academic con tributions and the same will be reflected in the teacher profile of our University	Nill	Nill	Nill	Nill
2019	To expose young students to the cycle of innovation and to promote a culture of Innovation in Kerala, K-DISC's Young Innovators Programme (YIP) 2019 is designed to create a deeper imprint on the academic system in the state.	16/01/2020	16/01/2020	18/01/2020	65
2020	IQAC in co llaboration with United States-India Educational Foundation conducted a webinar on the Fulbrigh t-Nehru and other Fulbright	12/05/2020	12/05/2020	12/05/2020	224

2020	IQAC and CSS organized a training workshop for the faculty members of university departments	09/06/2020	09/06/2020	11/06/2020	200
2020	IQAC, University of Kerala is supporting the UGC Paramarsh scheme. Paramarsh scheme helps unaccredited colleges in securing acc reditation. The mentor college- Mar Ivanios College, Thi ruvananthapu ram had provided acc reditation support for seven mentee	17/06/2020	17/06/2020	23/10/2020	445
2020	Annual Curriculum Fair and Exhibition	13/02/2020	13/02/2020	19/02/2020	66
2020	Discussion on National Education Policy	17/07/2020	17/07/2020	17/07/2020	105
2020	Post COVID-19 Research initiatives	04/05/2020	04/05/2020	11/05/2020	38

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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

Lecture to the Participants of short-term course in Gender Sensitization	27/11/2019	27/11/2019	Nill	Nill
Lecture to the Participants of District Youth Leadership camp on the topic "Gender neutrality	02/10/2019	02/10/2019	Nill	Nill
Gender sensitisation programme	20/09/2019	20/09/2019	Nill	Nill
Coordinated a Short Term Course on Gender Sensitization at the UGC-HRDC	22/11/2019	28/11/2019	Nill	Nill

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	Number of initiatives taken to engage with	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff

2019	advantages and disadvantages	and contribute to local community					
2019	5	6	01/07/2019	1	Village Adoptio - Amboori Village	1	Nill
2019	6	6	03/11/2019	4	'Socio-Economic Audit and Support for the Residents of Ambala thinkara Settlement Hamlet	3	20
2019	3	7	Nill	Nill	Groundwater Resources of the Karakulam Gramapanchayath, Thiruvananthapuram district, Kerala	4	Nill
2019	1	1	02/08/2019	2	Soft Skill Development Programme at St. Thomas HSS, Amboori	3	30
2019	2	2	05/09/2019	1	Waste Management - Disaster Management Awareness Programme	5	25
2019	1	1	21/11/2019	1	Inauguration of "PAARISTHITHIKAM" in Govt. HSS Sreekaryam.	2	24
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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
No Data Entered/Not Applicable !!!		

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Republic Day	26/01/2020	26/01/2020	70
Independence Day	15/08/2019	15/08/2019	450
Martiyers' Day	30/01/2020	30/01/2020	500
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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.High Quality Research Innovation 2. Objectives of the Practice i. To make research more globally relevant and application focused. ii. To learn from best practices in research, teaching and learning abroad iii. To promote a congenial research eco system iv. To enhance the academic reputation of university through research and innovation v. To explore and practice innovations in generation of knowledge by promoting research activities on the campus. vi. To promote interdisciplinary research. vii. To encourage faculty and students to undertake high quality research and publications. 3. The Context • Ensuring research excellence • Global competence • Interdisciplinary approaches in research • Promotion of infrastructural and advanced scientific instrumentation facilities • Business Innovation 4. The Practice Ensuring research excellence 1. Setting up of Directorate of Research: The main function of the 'Directorate of Research' is to promote academic research on the campus and to address the administrative issues of researchers of the University. 2. Starter grants/ Seed Money: The research policy advocates a provision for seed money as 'Starter grant' to newly recruited faculty to facilitate initiation of research in their areas of specialization. 3. Recognition of Research Projects and Research funding of the faculty: University provides awards for teachers in sciences and social sciences for highest funds secured through research projects and for Departments in terms of research undertaken. 4. Research fellowships to Students: Budgetary provisions for award of monthly research fellowships for doctoral and post-doctoral scholars.Scholars who are not supported by funding from agencies like UGC, ICSSR etc. are provided with funds from the University. 5. Grant for Publications: Provides support for Research publications for full time scholars in the University. 6. Financial support for seminars: Provides partial/complete support to faculty members for organization of Seminars and Conferences at National and International level. Global competence 7. Interaction with Eminent Scholars: Eminent researchers and leaders in academics including Nobel laureates were invited to the campus to share their research experiences and best practices, the scholars who interacted with scholars in the last 2 years included Nobel Laureate Ada E. Yonath and Michael Levitt. 8. Development of MoUs with Universities abroad: 9. Development of MoUs with National laboratories 10. International journal: 11. Urkund Interdisciplinary approaches in research 12. Three-Minute video presentation by Research Scholars: Each scholar would present their research work in terms of how the outcomes would be relevant and valid. This is undertaken as part of the science week celebrations every year. Best presentations in sciences and social sciences are awarded. 13. Curriculum Fair: Every year University of Kerala

conducts Curriculum Fair under the joint auspices of Curriculum Development Centre, Department of Education, University of Kerala and IQAC, FLAIR, Govt of Kerala. Altogether 30 posters articulating curriculum innovation, which showed clear roadmap to encourage educators to challenge the conventional norms and think outside of the box to reach all types of learners with individualized styles, were presented in the fair. Promotion of infrastructural and advanced scientific instrumentation facilities 14. Central Laboratory for Instrumentation and Facilitation (CLIF): The Central Laboratory for Instrumentation and Facilitation (CLIF) houses various sophisticated instruments which is being extensively used by research scholars as well as master's students at the University, other educational institutions, and RD Centers. The Centre has been acknowledged in various publications and in national and international seminars. The Centre has implemented an internship programme for the students at the University to nature and improve the understanding of the instruments installed in CLIF. Two internship programmes have been completed. A colloquium on Computational Nuclear Dynamics was conducted from 12-12-2018 to 13-12-2018 with eminent international scholars. In addition to support to research community revenue generation is made by the Centre Business Innovation 15. Kerala University business Innovation and Incubation Centre (KUBIIC) The University of Kerala (UoK) started its experiments with start-ups, as early as in 2006, when it established an Industry Incubation Centre (IIC) and successfully incubated a student start-up - SooryaKiran Bioinformatics Pvt. Ltd. The Industry Incubation Centre has been renamed as Kerala University Technology and Business Start-up Centre (KU-TBSC) and re-started in 2016.The KU-TBSC scheme mainly provides space and facilities for the start-up to function at a very nominal rate compared to other established incubation centres. Space is to be provided within the students respective departments. All facilities and faculty of the department can be advertised by the student start-up as available to them on a consultancy basis, as per the relevant guidelines of consultancy. 5. Evidence of Success 1. Animal species named after Faculty: A new tree crab described from the endangered mangrove ecosystems by Prof Peter Ng, Head of the Lee Kong Chian Natural History Museum, National University of Singapore is named as Leptarmabiju, in honour of Prof A. Biju Kumar, Head, Dept of Aquatic Biology and Fisheries, in honour of his support to biodiversity research in the state for long period. This is also the first report of the genus Leptarma from India. Another marine crustacean's organism parasitizing the coral reef fish Acanthurus triostegus from Andaman Island, India is also named after Prof Biju Kumar, as Renocilabijui by a post-doctoral fellow working in University of Kerala and researchers in Zoological Survey of India in honour of his contributions to taxonomy research. 2. Increase in the number of high-quality publications in international journal. 3. Increase in the number of national and international projects. 4. MoU's with universities with National and international institutions 5. International fellowships for Faculty and students 6. Revenue generation through CLIF 7. Support to research community outside university departments. 8. Collaboration with NGO's 9. Research extension programmes with community. 10. Start-up projects. 6. Problems Encountered and Resources Required Please identify the problems encountered and resources required to implement the practice (in about 150 words). 1. Fund 2. Resources 7. Notes (Optional) 1. Title of the Practice Community Outreach 2. Objectives of the Practice i. To engage in society's activities and social networks in student's daily life, including economic, social, and cultural diversity. 3. The Context i. Social Commitment ii. Skill Development iii. Extension Progrmmes iv. Action research projects v. Village Adoption Programmes vi. NSS Programmes vii. Scientific Social Responsibility viii. Environmental Conservation 4. The Practice Social Commitment 1. CMDRF: Chief Ministers Distress Relief Fund is an emergency assistance scheme for granting relief to deserving families and individuals affected by natural calamities or loss of life of relatives due to

accidents or for medical treatment for major diseases. University of Kerala has contributed an amount of Rs…… 2. Distribution of sanitiser Skill development and Competency Building 3. Finishing School: Final semester students are provided with skill based short term programmes in bridging their skill gaps. The University has a Students Skill Acquisition Club which was established in 2013 specifically for socially weaker sections. Various departments assess learning levels of students, particularly from socially weaker sections. Village Adoption 4. Amboory Village adoption: During 2018-19 under the 'innovative programmes and research scheme' of University of Kerala, the Department of Environmental Science started educating and empowering the villagers to conserve and adopt innovative rainwater harvesting. The community was empowered for water conservation through establishing model rainwater recharging structures at public building at St. Thomas HSS, Amboory and two other schools at Mayam and Thekkupara. Two types of roof top rainwater harvesting structures were constructed. Training programme for this was given to Harida Karma Sena, Panchayath Members and students of AmbooryPanchayath. Action research projects 5. Kaithangu: Pain and Palliative Care Kaithangu is a project work on Social Intervention in Palliative Care in Kerala undertaken by Centre for Agroecology and Public Health with the financial support. from University of Kerala. The project envisaged as a part of outreach activities of university, aimed at instilling capabilities among students to volunteer in pain and palliative care activities in their locality/colleges. As a part of the project, Pain and Palliative care training programs were conducted in association with Pallium India. The program instilled action learning capabilities in students by providing an opportunity to work with nurses and volunteers from Pain and Palliative Care units. Based on the experiential learning four reports were published inculcating the activities of various pain and palliative care unit and its role in ensuring wellbeing of patients. Extension Programmes 6. KU Padasala: KU Padasala is a repository of academic videos on different topics created by the teaching departments of the University of Kerala. This includes recordings of talks during conferences and other academic event, and exclusive videos produced for the channel. 7. Conduct of Social Audit in Nedumangad Block Panchayath in Kerala: Social audit regarding the impact of LSGIs in promoting sustainable livelihood under the framework of good governance. Environmental Conservation 8. Mangrove Forest Scientific Social Responsibility 9. Phoenix: rising to a brighter future: The study titled Phoenix: rising to a brighter future is a model for support and societal reintegration of young girls at Nirbhaya Shelter homes set up by Govt. of Kerala, with an objective to prevent child sexual abuse. The project envisages an objective model for enhancing the wellbeing of the concerned children through the holistic approach.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
https://iqac.keralauniversity.ac.in/docs/University_Herald_Special_issue_Harithalayam.pdf

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

University of Kerala would like to establish itself as a Centre of Excellence with Global Standards. Our primary objective is to achieve the following target: 1) NIRF Ranking, being one among the first ten Universities in India. 2) NAAC Accreditation with an A, grade point above 3.51 on a 4 point scale. 1. Academics and Research • Starting of Interdisciplinary academic programmes and new departments in emerging areas like tourism, Bio diversity Conservation, Bio informatic Linguistics, Disaster Management, Business Analytics and Global Trade, Department of Geography, Department of Home Science • Commencing of apprenticeship embedded programmes at the UG level with skill based training. • Starting of programmes with industrial collaboration. • Preparing a blue print for digital university with programmes in all teaching departments in the virtual mode and opportunity for learning from global thinkers (Nobel Laureates) with a dedicated platform for the same • Massive Data Generation and distribution platform. • Digitization of libraries. • Linking up with national and international agencies through MOOCs. • Setting up of centres for 1. Computational Linguistics 2. Translation Studies 3. Public Health 4. Population Studies 5. Geo – Physics 6. Drug Discovery 7. Centre for Inter and Trans Disciplinary studies • Add - on as well as skill based courses • Enhancing support for quality publication and creation of intellectual property including patents. • Enhancing student faculty diversity. 2. Infrastructure • International students hostel with mess and all other standardised amenities. • International apartment for visiting faculty. • Smart classrooms in all departments for students. • Block wise seminar halls and academic theatre with facilities for cloud capturing and dissemination of lectures. • Studio for recording classes and creation of e – content. • A new animal house for research in bio – sciences. • Comprehensive waste management system with separate segment wise treatment for general waste, chemical waste, animal waste, e – waste. • Modern health centre in the campus with specialised services for holistic health, clinical services, diagnostics and support services. • Modern canteen cafeteria facility. • Supporting buildings with differently - abled facility like ramps, toilets, wheel chairs. • Supporting buildings with Trans - genders facility like ramps, toilets, wheel chairs. • Support for full-fledged development of Archaeology Museum, Geology Museum and Heritage Museum as well as Astronomical Observatory. 3. Human Resources • Filling up of existing faculty positions • Sanction of new faculty for new programme • Appointment of technical assistant for supporting online teaching and e – content preparation in all departments. • Appointment of museum curators for Archaeology Museum, Geology Museum and Heritage Museum. • Manpower for skill based programmes as well as University support services 4. Governance • Examination Developing a Student Life Cycle Management system with provisions for online admission to online submission of results including linkage with National Academic Depository (NAD). • Integrated IT Centre with professional programmers as well as data base Managers and Analysts. • Strengthening of File Flow System and ensuring speedy disposal of cases • Electronic Grievances Redressal