AQAR

ANNUAL QUALITY ASSURANCE REPORT
2015

INTERNAL QUALITY ASSURANCE CELL (IQAC)
University of Kerala

Annual Quality Assurance Report

for the period ending December 2015

AQAR-3.1
(Cycle 3, Year 1)

Internal Quality Assurance Cell (IQAC)

University of Kerala

March 2016

Contents

PART A

	A1. Details of the Institution				
1.1	Name of the Institution	University of Kerala			
1.2	Address Line 1	Senate House Campus			
	Address Line 2	Palayam			
	City/Town	Thiruvananthapuram			
	State	Kerala			
	Pin Code	695034			
1.3	Institution e-mail address	regrku@gmail.com			
1.4	Contact Nos.	0471 - 2305631			
1.5	Name of the Head of the Institution	Prof. P.K. Radhakrishnan			
1.6	Tel. No. with STD Code:	0471 - 2306634			
1.7	Mobile (IQAC Member Dr KS Chandrasekhar):	8589005347			
1.8	Name of the IQAC Co-ordinator:	Prof. (Dr.) Achuthsankar S. Nair			
1.9	Mobile:	9447268840			
1.10	IQAC e-mail address:	team.iqac@gmail.com			
1.11	NAAC Track ID	KLUNGN10087			
1.12	NAAC Executive Committee No. & Date:	EC(SC)05/RAR/054 dated 03.05.2015			
1.13	Website address:	www.keralauniversity.ac.in			
1.14	Web-link of the AQAR:	iqac.keralauniversity.ac.in/AQAR2015			
1.15	Accreditation Details				
	Cycle	**Grade**	**CGPA**	**Year**	**Validity Period**
	1st	B++	81.5	21.03.2003	20.03.2008
	2nd	A	3.03	03.03.2015	02.03.2020
1.16	Date of Establishment of IQAC :			10.05.2005	
1.17	AQAR for the year			2015	
1.18	Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC			Nil	
1.19	Institutional Status State : √ Central : Deemed : Private :				
	Regulatory Agency approved Institution (eg. AICTE, BCI, MCI, PCI, NCI): Yes √				
	Type of Institution Urban: √ ; Rural: Tribal :				
	Co-education Men : Women :				
	Financial Status : Grant-in-aid: √ UGC 2(f): UGC 12B:				
1.20	Type of Faculty/Programme : Arts √ ; Science √ ; Commerce √ ; Law √ ; Engineering √; Management: √ ;				
1.21	Name of the Affiliating University *(for the Colleges)*			NA	
1.22	Special status conferred by Central/ State Government UGC/CSIR/ DST/DBT/ICMR etc			Nil	
.23	Autonomy by State/Central Govt. / University			Autonomous	
1.24	University with Potential for Excellence : Nil; UGC-CPE: Nil				
1.25	DST Star Scheme: Nil; UGC-CE : Nil `				
1.26	UGC-Special Assistance Programme: √; DST-FIST : √				
1.27	UGC-Innovative PG programmes: √; Any other : DST Purse				
1.28	UGC-COP Programmes: Nil				
	A2. IQAC Composition and Activities				
2.1	No. of Teachers			7	
2.2	No. of Administrative/Technical staff			5	

2.3	No. of students	1
2.4	No. of Management representatives	4
2.5	No. of Alumni	1
2.6	No. of any other stakeholder/ community representatives	1
2.7	No. of Employers/ Industrialists	1
2.8	No. of other External Experts	1
2.9	Total No. of members	20
2.10	No. of IQAC meetings held (in Cycle 3, January –Dec 2015)	8
2.11	No. of meetings with various stakeholders Faculty:3; Non-Teaching Staff: Nil.; Students: Nil; Alumni:**1**; Others: Nil	
2.12	Has IQAC received any funding from UGC during the year? **No** If yes, mention the amount : **NA**	
2.13	Seminars and Conferences (only quality related) : **(i)** No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC: Total No: **1**; International: Nil National: Nil State: Nil; Institution Level: **1**; **(ii)** Themes: Research Methodology	

A3. Significant Activities by IQAC

3.1	Based on wide-based discussions, **"Master Action Plan to improve Quality"** containing 350+points of action has been compiled, published and circulated.
3.2	**A 60 month planner for cycle 3** has been finalized.
3.3	**Dept. level quality plans** have been compiled, published and circulated
3.4	A new **website of IQAC** has been launched.
3.5	A **library quality audit** has been conducted and a report with peer review has been published.
3.6	**Fifteen policy documents** have been drawn up: Vision & Mission Statement, Attributes of Graduates, Student Charter, Quality Policy, Interdisciplinary Policy, Plagiarism Policy, IP Policy, Innovation Policy, Cyber Policy, Open Source Policy, Admission Policy, Extension Policy, Gender Policy, Green Charter and Citizen Charter.
3.7	**Student feedback forms** have been re-designed based on comments received from NAAC peer team.
3.8	**3-tier induction programme** for PG students was conducted on 7th September 2015. This involved a common induction programme for students of all Departments, followed by school level and Department level inductions.
3.9	MARC 2015, the first multi-disciplinary annual research conference organized by IQAC in collaboration with various schools of the University, was held successfully from 15-18th December 2015. About 1500 participants were there for the plenary session. Prof Dr. P.K. Radhakrishnan, Vice-Chancellor inaugurated the conference. Sri. T.M. Krishna, Carnatic music vocalist spoke on "Music, Science and Society". Prof. Y.S. Rajan, distinguished Professor, ISRO, Bengaluru spoke on "Technology: Challenges Ahead". Sri. P Radhakrishnan, Astronaut, ISRO spoke on "Science and Man" and Dr. Sebastian Paul spoke on "Media and Society". School level conferences were held during 16-18th at various venues in which faculty, re-search scholars and students presented papers and participated. Nine school-level conferences had 343 paper

	presentations with 2131 registrants.
3.10	**Research methodology workshop** was conducted in collaboration with Students Union on May 29 & 30, 2015.
3.11	**Environmental/Green audit** conducted and report published.
3.12	**Gender Audit** under progress.
3.13	**Graduate Attributes** drawn up and an explanatory video produced (https://www.youtube.com/watch?v=sNYSmREPVAo).
3.14	**eBook** publishing scheme designed and announced. Every faculty and research scholar is given a e-platform to publish.
3.15	Preparation for starting You Tube Channel - **"Kerala Sarvakaladrishlya"** completed. IT @ school shall partner in video production.
3.16	A **comparative study** of University of Kerala with a dozen other selected Universities are ongoing. This is aimed at bench-marking University of Kerala with selected other Universities. Oldest state Universities, some Central Universities and two private Universities are included in the study.
3.17	Steps taken to enhance University's inputs to INFLIBNET initiative-**Shodhganga**.
3.18	Four **Tri-monthly reports** were prepared and presented to the Chancellor
3.19	**University Skill Acquisition Programme** designed. This is aimed at providing add on skill courses which will enhance student employability.
3.20	A new **PG Brochure for the University** has been printed and distributed to all PG students admitted in 2015.
3.21	**Student Quality Council** has been for constituted. The Departments Union Chairman is the Chairman with following members: *Chairman, Research Union; Second year masters student of each school who has secured maximum CGPA in the first semester; One foreign student and one physically challenged student to be nominated by the Vice-Chancellor.*
3.22	Proposal for directing research towards University formulated. Guidelines for promoting **inter-disciplinarity** have been issued.
3.23	**Annual Student Survey** has been conducted & report published. This is aimed at understanding the profile of the new students so as to plan their support accordingly.
3.24	Thousand Wiki-Lights programme initiated.
3.25	Teaching, Learning and Assessment Review Committee (T-LARC) formed.
3.26	Comprehensive 12 pages Newsletter of IQAC published.

A4. Plan of Action by IQAC and Outcome

4.1	The plan of action for 5 years is documented by IQAC in "Masters Action Plan to improve Quality" It has 346 action points.

4.2	**Outcome:** The Master Action Plan adopted in early 2015 containing 346 action points (to be acted upon over 5 years, in 8 themes) was reviewed in 2016 by IQAC. The number of items completed/ initiated in each section is given in below. The overall percentage progress is 91/346, approximately 25%.

Sl No.	Theme	Total Points	Action initiated/ Completed	Progress %
1	Vision, Frame Work & Benchmarking	31	15	48.4
2	Research & Innovation	38	8	21.1
3	Teaching, Learning & Evaluation	61	15	24.6
4	Schools, Depts., Centers & Institutions	36	6	16.7
5	Student Development	45	13	29
6	Governance	105	25	24
7	Extension	12	3	25
8	Miscellaneous	18	6	33.4
Total		**346**	**91**	**26**

Academic calendar is attached in Appendix.

4.3	**Whether the AQAR was placed in statutory body:** The AQAR was approved by IQAC and was placed in the syndicate.

Part B
Criterion B1: Curricular Aspects

1.1 Details about Academic Programmes

Master's programme is offered in 40 of the 41 teaching Department. MPhil is offered in 39 teaching Departments. One Department offers two MPhil programmes (Bioinformatics and Computer Aided Drug Design in the Department of Bioinformatics).   Three Departments offer M.Tech programmes (Computer Science, Future Studies and Opto-electronics).   University's Centres such as UIT (University Institute of Technology) and UCE (University College of Engineering) offer Bachelor's programmes. Three departments offer 2 masters programme each (Sociology, Demography, and Zoology).   New MPhil in Law Department, New M. Tech in Translational Engineering in affiliated colleges have been sanctioned this year.

Overall programme summary is given below

Programme	2013 -2014	2014-2015
PhD	42	42
MPhil	39	40
Masters (University Departments)	42	42
Masters (Affiliated Colleges)	68	69
Under graduate (University Centres)	5	5
Under graduates (affiliated Colleges)	84	86
PG Diploma	13	14
Diploma	4	4
Certificate	17	17

The list of PG Diploma is given below:

PG Diploma	Centre/ Department
PG Diploma in English Communication	Institute of English
Diploma in German	German
PG Integrated Diploma in Russian	Russian
Diploma in Functional Malayalam	Linguistics
P G Diploma in Knowledge Management	Future Studies
P G Diploma in communicative Engineering	Optoelectronics
P G Diploma in Geo Info. Science & Technology	IIUCGIST
Diploma in Translational Studies	Centre for Translational Studies
Diploma in Health and Sanitation	CACEE
PG Diploma in Counseling	CACEE
Diploma Physiotherapy	CACEE
PG Diploma in Responsible Tourism	CACEE
PG Diploma in Human Rights	Department of Law

The list of Certificate Programmes are given below

Centre	Course
Centre for English Language Teaching	Communication Skills Writing Skills
Centre for Gandhian Studies	Gandhian Thought
German	German Language

The list of Career Oriented Certificate and Diploma offered by CACEE are given below:

Career Oriented Programmes (CACEE)
P.G. Diploma in Counseling Psychology
Certificate in Yoga and Meditation
Certificate in Library and Information Science
Certificate in Nursing Administration
Certificate in RJ and VJ
Certificate in Ayurveda Masseur & Panjakarma Asst.
Certificate in Communicative English & Public Speaking
Certificate in T.V. News Reading and Comparing

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options: The University of Kerala has now completely switched over to CBCS system for its UG and PG programme in both its teaching Departments and affiliated colleges. Only the grading scale is slightly different from the standard suggested by UGC. This matter has been taken up and a report has been made a designated committee which is being looked into. Only MPhil programmes remain in traditional mode, three of the new MPhil have been implemented in CBCS. Elective options are available in all programmes. Open courses are available for UG programmes. At PG level, a policy has been recommended by IQAC to ask each student to choose at least one elective from outside Department and one from outside school/faculty. In addition, **Negotiated Studies** are implemented in two Departments. This involves students suggesting new courses required by them and the Department offering it as an elective after re-designing the suggestions.

1.3 (ii) Pattern of programmes: All programmes at UG, PG and MPhil level are Semester pattern both in University Departments and affiliated colleges

1.4 Feedback from stakeholders* *(On all aspects)*
Alumni: Nil; Parents: Nil; Employers: Nil; Students: ✓ (Detailed Annual Student Survey)
Mode of feedback: Online: Nil; Manual: ✓

*Please provide an analysis of the feedback in the Annexure: Annual Student Report Published.

1.5 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects. Comprehensive revision of syllabus is done once in 3 years in affiliated colleges. The Departments are free to revise the syllabus every year and a comprehensive revision in international format (taken up before NAAC peer team visit) is ongoing. The experience gained from Semester-in-India programme in 2014 was used in

the design. Aims, objectives and course overview were included. In references, on-line resources were also added.

1.6 Any new Department/Centre introduced during the year. If yes, give details: Yes

1) Inter University Centre for Malayalam Language(IUCML)
2) International & Inter-University Center for Natural Resource Management
3) Centre for e- Content Development
4) Design Innovation Centre
5) Sophisticated Instrumentation and Computation Centre
6) Centre for Diaspora Studies
7) Centre for Alternative Economics
8) Advanced Centre for Tissue Engineering

Criterion B2: Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty: (2014-15)

Total	Asst. Professors	Associate Professors	Professors	Others
177	96	47	34	

2.2 No. of permanent faculty with Ph.D: 160

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year: (2014-15)

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
1	12	--	8	--	18	-	-	1	38

2.4 No. of Guest and Visiting faculty and Temporary faculty: (2014-15)

Guest	Visiting	Temporary
54	10	Nil

2.5 Faculty participation in conferences and symposia :(2014-15)

No. of Faculty	Inter. level	National level	State level
Attended Seminars/ Workshops	85	124	120
Presented papers	67	112	120
Resource Persons	52	35	47

2.6 Innovative processes adopted by the institution in Teaching and Learning:
(a) Lecture method is supplemented by case studies, mini projects, field visits, group discussions etc. A curriculum fair is being planned to promote best practices in teaching & learning. Departments encourage students to register for MOOC courses.

(b) A 3-tier induction programme was conducted to enhance learning skills of postgraduate students admitted to the University in 2015-16. University level common session formed the first tier. Dr. P.K Radhakrishnan, Vice-chancellor, inaugurated the event. The graduate attribute video was screened; the students also took a pledge on the graduate attributes. The annual student survey was held and the University brochure and academic calendar were issued. Flash presentations on various centers/ schemes/initiatives of the University were made by 15 teachers/administrators (Organisation of University, CSS, NSS, Placement Cell, Anti-Ragging, IQAC, EDP, USAP, Women's Cell, and Green Charter etc). Three speeches by eminent Persons from science, social science & arts were delivered by Dr. Oommen V. Oommen, Dr. Jameela Beegum and Dr. N. K. Jayakumar. Cultural programmes were also organized. University Song was sung by Students of Dept of Music. The whole event was a model for time management.

In the school level induction, generic presentations by each department heads were made. Students were made aware of general facilities in constituent departments and the details regarding courses that can be taken as inter-department electives were highlighted. All faculty and technical and administrative staff of all departments were introduced. Department level induction was done in variety of ways reflecting the speciality of each subject. They were generally aimed to enable better learning habits and involve external scholars/ trainers. The programmes were of duration varying from 1 day to 1 week, and covered topics such as: Ice-breaking session; History of Dept, Life in the

Dept, Students Clubs etc, Academic calendar, Dept website, e-mail groups, Dept Library services, Feedback System, Introduction to student Grievance redressal, Cell against sexual harassment, Principles of Assessment and evaluation, Managing Examination Anxiety, plagiarism, Theories of learning, Time and Stress Management, Creativity & Critical Thinking, Collaborative learning, Career opportunities, placement assistance, Visit to industry/external organization, Interaction with external experts and also alumni/senior students. Induction programme of this type and scale was a first in not only University of Kerala, but among all Universities in the state of Kerala.

(c) Interdisciplinarity approach is promoted through the following instruction given to faculty:

- Every masters student be advised by the Faculty advisors to choose at least (a) one elective from an outside department in the same school/faculty and (b) one elective from an outside school/faculty
- Every faculty member who is a research supervisor may consider accepting at least one student at any point of time in an interdisciplinary topic with joint supervisor from another department.
- Every faculty member consider the possibility of seeking funding though collaborative proposals involving investigators from different departments.
- Every Department encourages Masters/MPhil students to take up inter-disciplinary projects under supervision of teachers from different departments.
- Every department considers organizing a seminar or other academic events in collaboration with a different Department.
- Every department considers designing new certificate/diploma/masters or integrated master's programme involving different departments.
- Every School/Department may organize inter-disciplinary talks, inviting experts from both allied and non-allied fields.
- University itself holds Interdisciplinary talks by eminent scholars each year.

(d) Miscellaneous: Innovation policy is being drawn up; innovative projects have been introduced as a test case. Student feedback at the end of the semester has been redesigned to mid and end-semester feedback. "University Skill Acquisition Programme" (USAP) has been designed to provide students with additional skills.

2.7 Total No. of actual teaching days during this academic year (2014-15): 176

2.8   Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding,   Double Valuation, Photocopy, and Online Multiple Choice Questions)

Visual Arts – Online Entrance Registration: Online exam registration for Master's program in Visual Arts was developed and is available in 2015. This includes student registration, student services and online hall ticket. Facility for section staff to verify/reject students, define examination centre, upload hall ticket is also available. Section staff can take Nominal Roll, Application Number wise/Multiple Subjects applied student wise reports from the online system. Software is now operational.

Student Life Cycle Management: A new Java based system which will bring the various student oriented modules like Student Service, Enrollment, Exam Registration, Time table

setting, awarding etc. That is, the entire students services available online in a new platforms.

Examination Software: Computerization of B. Voc, BHM courses has been completed. The examination processes are computerized and most of the services are provided by online.

Online Question Paper Distribution: This system has been developed and tested. Pilot case implementation is under design for the following: Answer redesign, onscreen evaluation, time and motion study of evaluating process, fixed space answer booklets, on-line exams.

2.9 No. of faculty members involved in curriculum restructuring/ revision/ syllabus development as member of Board of Study/ Faculty/ Curriculum Development workshop (2014-15):

Board of Study workshop	Faculty Development workshop	Curriculum Development workshop
127	11	177

2.10 Average percentage of attendance of students (2014-15): 93

2.11 Course/Programme wise distribution of pass percentage (Data related to last result announced as on June 2015)

Title of the Programme	Number		Pass %
	Students Appeared	Students Passed	
Aquatic Biology & Fisheries	12	12	100
Arabic	3	3	100
Archaeology	8	8	100
Biochemistry	18	18	100
Biotechnology	8	8	100
Botany	11	11	100
Chemistry	16	14	87.5
Computational Biology	9	9	100
Computer Science	18	18	100
Demography	11	10	90.9
Economics	26	25	96.1
English	29	29	100
Environmental Science	8	8	100
Futures Studies	16	15	93.7
Geology	10	10	100
Hindi	13	13	100
History	19	15	78.9
Islamic Studies	7	7	100
Linguistics	10	10	100
Mathematics	31	17	54.8

Music	4	4	100
Optoelectronics	17	17	100
Philosophy	4	4	100
Physics	18	18	100
Political Science	21	19	90.4
Psychology	23	17	73.9
Sanskrit	2	2	100
Sociology	18	18	100
Statistics	16	15	93.8
Tamil	5	5	100
Zoology	10	10	100
LLM	21	21	100
M. Ed	33	33	100
M.Com	28	28	100
M.LISc.	26	13	50
MBA General	357	309	86.5
MBA Tourism	22	20	90.9
MCJ	19	19	100
MSW	26	25	96.1

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes

a) **Monitoring Teaching and Learning Process:** At present, IQAC uses the student feedback forms and its analysis to monitor teaching and learning experience. T-LARC (Teaching, Learning & Assessment Review Committee) has now been established with mandate to analyse and act on student feedback, teaching practices and evaluation.

b) **Innovative practices adopted by institution in teaching and learning:** Lecture method is supplemented by case studies, mini projects, field visits, group discussions etc. A curriculum fair is being planned to promote best practices in teaching & learning. Departments encourage students to register for MOOC courses. Innovative practices have been compiled and are being published by IQAC.

c) **A 3-tier induction programme:** It has been conducted to enhance learning skills of students. This is already reported.

d) **Teacher evaluation**: Teacher evaluation by students has been redesigned into two phases: mid-semester & end-semester.

e) **Annual student survey**: An annual student survey (with around 150 questions) to understand the nature of the student population has been conducted for 2015 admissions. The results have been published.

2.13 Initiatives undertaken towards faculty development:

In the 2015-16 budget, special teacher induction programme has been announced. Teachers are enabled and encouraged to attend orientation and refresher programmes of UGC Academic Staff Colleges. In addition to all this, young teachers are deputed to foreign

Universities for one month exposure under the FLAIR scheme of Government of Kerala. Two such deputations have been done in 2014-15.

Faculty / Staff Development Programmes	No. of Faculty benefitted
Refresher courses	10
UGC – Faculty Improvement Programme	11
HRD Programmes	8
Orientation Programmes	20
Faculty exchange Programme	0
Staff training conducted by the university	5
Staff training conducted by other institutions	24
Summer / Winter schools, Workshops, etc.	49
Others	191

The UGC Human Resource Development Centre (Academic Staff College) at University of Kerala trained over 1000 teachers in 2014-2015 and continues as the best UHRDC in the in annual rating.

2.14 Details of Administrative and Technical staff (2014-15)

Category	Numbers			
	Permanent Employees	Vacant Positions	Perm. positions filled in the year	Positions filled temporarily
Administrative Staff	1492	796	-	744
Technical Staff	30	28	-	42

Note: *The filling up of vacant positions is subject to disposal of court proceedings in this connection. Government action on handing over appointments of administrative staff to Public Service Commission is also awaited.*

Criterion B3: Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate

(a) Research and Innovation Policy has been drawn up. It is under the consideration of higher statutory bodies.

(b) Inter-disciplinary research policy also has been drawn up. Interdisciplinary approach is promoted through the following:

- *Every masters student be advised by the Faculty advisors to choose at least (a) one elective from an outside department in the same school/faculty and (b) one elective from an outside school/faculty*
- *Every faculty member who is a research supervisor may consider accepting at least one student at any point of time in an interdisciplinary topic with joint supervisor from another department.*
- *Every faculty member consider the possibility of seeking funding though collaborative proposals involving investigators from different departments.*
- *Every Department encourages Masters/MPhil students to take up inter-disciplinary projects under supervision of teachers from different departments.*
- *Every department considers organizing a seminar or other academic events in collaboration with a different Department.*
- *Every department considers designing new certificate/diploma/masters or integrated master's programme involving different departments.*
- *Every School/Department may organize inter-disciplinary talks, inviting experts from both allied and non-allied fields.*
- *University itself holds Interdisciplinary talks by eminent scholars each year.*

(c) A scheme for **directing some research towards the University** has been adopted.

(d) Cash awards are given to **best completed research project** and best funding attracted. (This is done by the University Authorities, not IQAC).

(e) Steps have been taken to compile a **booklet on "Attracting Research Funding"**.

(f) eBook Project: A new project providing a e-platform for scholarly publication for research scholars and faculty members has been launched. PDF and ePUB formatted books are to be released in Creative Commons License in August 2015.

(g) A Multidisciplinary Annual Research Conference: MARC 2015, the first multi-disciplinary annual research conference organized by IQAC in collaboration with various schools of the University, was held successfully from 15-18th December 2015. About 1500 participants were there for the plenary session. Prof Dr. P.K. Radhakrishnan, Vice-Chancellor inaugurated the conference. Sri. T.M. Krishna, Carnatic music vocalist spoke on "Music, Science and Society". Prof. Y.S. Rajan, distinguished Professor, ISRO, Bengaluru spoke on "Technology: Challenges Ahead". Sri. P Radhakrishnan, Astronaut, ISRO spoke on "Science and Man" and Dr. Sebastian Paul spoke on "Media and Society". School level conferences were held during 16-18th at various venues in which faculty, re-search scholars and students presented papers and participated. Nine school-level conferences had 343 paper presentations with 2131 registrants.

(h) An eBook on "**Promoting Innovation in University of Kerala**" has been compiled.

(i) Department Level Quality Plans has been published, which includes Research also.

3.2 Details regarding major projects (2014-15)

	Completed	On going	Sanctioned	Submitted
Number	9	2	1	13
Outlay in Rs. Lakhs	46.99	20.66	100	144.60

3.3 Details regarding minor projects (2014-15)

	Completed	Ongoing	Sanctioned	Submitted
Number	Nil	Nil	Nil	2
Outlay in Rs. Lakhs	Nil	Nil	Nil	8

3.4 Details on research publications (2014-15)

	International	National	Others
Peer Review Journals	144	134	3
Non-Peer Reviewed Journals	4	18	50
e-Journals	7	4	-
Conference proceedings	30	170	19

3.5 Details on Impact factor of publications

Range for 2015	0.3-9.3
Average (of 100 papers) for 2015	Average of range = 4.5, Overall Average=1.96
h-index (average for 24 faculty) as on July 2015	6.12
Nos. in SCOPUS (for 16 faculty) as on July 2015	322 (Total)

3.6 Research funds sanctioned and received from various funding agencies

Sl. No	Name of funding Agency & Project	Sanctioned amount & Released installment amount, (in lakhs)
1	AICTE : Career Award for Young Teachers	Sanctioned: 1.5 Released: 1.5
2	MHRD: Scheme of Establishment of "Centre of excellence for Training and Research in Frontier Area of Science and Technology (FAST) "	Sanctioned: 200 Released: 100
3	DoECC: Studies on the impact of repeated pesticide application on soil microbial activity and screening of organo phosphorus pesticide degrading bacteria	Sanctioned: 8.6 Released: 2.1
4	GoK: Baseline Survey on Knowledge, Attitude, Behaviour, Belief and Practices of voters in Kerala	Sanctioned: 6.5 Released: 6.5
5	DAE :Transit Functions Between ness and Community Structures	Sanctioned: 7.4 Released: 4.2
6	SERB: Understanding the role of SNPs in miRNA binding sites in 3'UTRs of target candidate genes influencing blood pressure	Sanctioned: 2.5 Released: 10.5
7	KSCSTE: "An Investigation of the effects of natural anti-inflammatory agents on Toll like Receptors (TLRs) signaling pathway in oxLDL activated human monocytes	Sanctioned: 14.7 Released: 1.0
8	DST: Promotion of University Research & Scientific Excellence (PURSE)	Sanctioned: 900 Released: 264

9	SERB: Dietary fat related histone modifications relevant to inflammation	Sanctioned: 23.8 Released: 1
10	KSCSTE: Tectonic Signature and PGE Potential of Gabbroic Rocks in the Moyar – Bhavani and Achankovil Shear Zones, Kerala	Sanctioned: 9.5 Released: 5.3
11	KSCSTE: Development of Holographic Lens to use in conjunction with solar cells	Sanctioned: 15 Released: 2.1
12	AICTE: Career Award for Young Teachers	Sanctioned: 0.14 Released: 0.14
13	UGC: Maritime Security of India : The Coastal Security Challenges and Policy Options	Sanctioned: 8.4 Released: 5
14	UGC : Economics of Higher Education in Kerala: A Focus on Expansion, Efficiency and Equity ; 3 years	Sanctioned: 8 Released: 5
15	UGC : Issues of Marginalization & Role of the State: A Study of the Marine Fisher folk of Kerala ; 3 years	Sanctioned: 9 Released: 5
16	Botany : Collection Conservation and Evaluation of selected underutilized crops of Kerala for approval	Sanctioned: 30 Released: 5
17	Dr. B. R. Ambedkar Chair : One day training programme for First year P.G. Students on Sexual Harassment Prevention, Prohibition & Redressal	Sanctioned: 1.9 Released: 1.9
18	Demography : Study on Population Ageing in Kerala and its Multidimensional Impacts	Sanctioned: 6 Released: 6
19	Economics : Community Reservation and Political Empowerment : A study with respect to Local Self Governments in Kerala	Sanctioned: 1 Released: 1
20	Centre for Evolutionary & Integrative Biology: Physiological and Genetic analyses of ion transporters during ease and stress response in fish – 2nd Year	Sanctioned: 6 Released: 6
21	Archaeology : Setting up of a Archaeozoology & Icthyo-Archaeology Lab in the Department	Under consideration: 25
22	Environmental Sciences : Setting up of a Geographical Information System Lab in the Department	Under consideration: 20
23	Political Science: Changing Dynamics of Electoral Politics in Kerala: A Study	Sanctioned: 4 Released: 4
24	Geology : New Innovative Project in Geo-statistics for Geographic Information Sciences	Sanctioned: 2 Released: 2
25	'Autobiographies in Malayalam: Writing Lives, Writing History' under the scheme of Innovative Projects	Under consideration: 4.1
26	**DBT:** Bio-chemistry Biocomposite based orthopedic implants from shrimp waste and marine algae	Sanctioned: 45.71 Released: 6.8
27	XII Plan Scheme of Human Rights Education- PG Diploma Course-	Released: 6 Received: 6 lakh
		Total Sanctioned: 14.7 lakhs **Total Received: 1.0 lakhs**

Additional Information

16 Major & Minor Research projects screened for submitting to UGC

3.7 No. of books published

With ISBN No.	24
Chapters in Edited Books	-
Without ISBN No	7

3.8 No. of University Departments receiving funds from

UGC-SAP	5 (Geology, Zoology, Maths, Economics, Politics)
CAS	1 (Aquatic Biology)
DST-FIST	2 (Statistics, Biochemistry)
UGC Innovative Programme:	1 (Future Studies)
DBT Scheme/funds:	1 (Bioinformatics)

3.9 For colleges: NA

3.10 Revenue generated through consultancy (rounded) (2015): Rs. 33, 59, 586
(UCC-0.80 lakhs, KUCC- 25, 67, 416 lakhs, SIC-5, 25, 070 lakhs, OPTO-1, 87, 100 lakhs)

3.11 No. of conferences organized by the Institution (2014-15)

International	National	Other
8	42	23

3.12 No. of faculty served as experts, chairpersons or resource persons (2014-15) :
147

3.13 No. of collaborations (2014-15)

International	National	Other
17	20	9

3.14 No. of linkages created during this year
- Dept of Journalism: Linnaeus Palme Int. Excellence programme with University of Lund, Sweden progressing.
- Dept of Arabic is processing an MoU with University of Misuratau, Libya.
- Dept. of Bio-Technology has accepted on Fulbright Visiting Fellow.
- MoU signed by Dept. of Geology with ISRO to establish "Laboratory for Earth Resources Information System".
- Futures studies Dept. has effective collaboration with Erasmus University; Netherlands, University of Leipzig and University of Maribor, Slovenia.
- Aquatic Biology Dept: Collaborations with WWF, Friends of Marine Life, G.C. Kronberg of Netherlands, Swedish Museum of National History, Stockholm.
- Department of Opto electronics has ongoing collaborations with the following institutions: Institute of Sensorics & information science, Karlsruhe University of Applied Science, Germany, Robert Gorden University, Aberdeen, UK, Nanyang Technological University, Singapore, Karlsruhe Institute of Technology, Germany.
- Department of Bioinformatics has signed MOU with C-DAC and Scigenome Pvt. Ltd.

3.15 No. of patents received this year

Type of Patent	Applied	Granted
National	2	-
International	-	-
Commercialized	-	-

3.16 No. of research awards/ recognitions   received by faculty and research fellows of the institute in the year (2014-15)

Total	International	National	State	University	District	College
52	9	30	13		-	-

3.17 No. of faculty from the Institution (Teaching Depts.) who are Ph. D. Guides and students registered under them (2014-15)

Ph. D. Guides	133
students registered under them	599

3.18 No. of Ph.D. awarded by faculty from the Institution (Teaching Depts.) (2014-15): 76

3.19 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones) (2014-15):

JRF	UGC-332
SRF	UGC 56
Project Fellows	54
Any other	PDF - 12
Non UGC	748

3.20 No. of students Participated in NSS events (2014-15):

University level:-	2200
State level:-	-
National level	-
International level	-

3.21 No. of students participated in NCC events: College alone: NA

3.22 No. of Awards won in NSS: Nil

3.23 No. of Awards won in NCC: College alone: NA

3.24 No. of Extension activities organized (2014-15)

University forum	41
College forum	-
NCC	-
NSS	11
Any other (Gandhian Study Centre)	12

3.25 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility (2014-15)

The University has drawn up an extension and Institutional Social Responsibility Policy. Many extension programmes have been organized under the leadership of Gandhian Study Center of the University, as follows.

1. Anti-plastic campaign-free training on paper bag making
2. Self-employment training on various skills

3. Grama Swaraj Exhibition of products by self-employed women
4. Anti-intoxication Magic Show
5. Gandhi Short film fest
6. Five day Eco-fest
7. Voters awareness programme and Paper bag distribution
8. Self-employment training for Sc/St
9. Anti-intoxication Audio CD " Lahari Virudha Ganangal"
10. Anti-intoxication Rally
11. Sneha Sangamam in which 70 orphan patients were given free cloths and sweets
12. Gandhi Memorial Inter-collegiate debate

At Department levels many programmes were organized

1. One day Fun day programme for fostering creativity and scientific temper for 100 students of Attakulangara school
2. "Vayanadinam" – reading day
3. Yoga day
4. Environment day and tree planting

Newsletters communicating academic developments and social messages are being published by many Departments and Centres.

1. "InSIDE" monthly newsletters by Department of Bioinformatics
2. "Jalamarmaram" by Department of Aquatic Biology
3. "UniVoice and Kalari" by Department of Journalism and Communication

Criterion B4: Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities

- International Greenfield Stadium
- Sophisticated Instrumentation and Computation Centre
- Student Amenities Centre (Construction Progressing)
- Indoor Stadium in Palayam Campus (Construction Progressing)
- New Ladies Hostel
- New building for Computer Science Department (construction started)
- CEIB building (construction nearing completion)
- New floor for Dept. of Bio informatics- (to commence forthwith)
- Various Infrastructure maintenance under RUSA initiated

4.2. Amount allotted to Library

	Plan (Rs.)	Non-Plan (Rs.)	UGC (Rs.)	Total (Rs.)
University Library	20,00,000	55,00,000	0	75,00,000
Campus Library	20,00,000	5,00,000	0	25,00,000
Department Library	64,50,000	77,65,000	0	1,42,15,000
Others	6,50,000	5,31,000	0	11,81,000
Total	1,11,00,000	1,42,96,000	0	**2,53,96,000**

Computerization of administration and library: University e-Governance project also covers library. A new project has been initiated for the library automation in open source. The thesis digitization process is under progress, In the first phase of digitalizing and indexing, nearly 80% of the work has been completed.

4.3 Library Services
The University Library provides a number of online services including:

- Pro Quest Research Library (http//search.proquest.com)
- IndianJournals.com
- UGC-Infornet digital library
- LISA-Library and Information Science Abstracts (http://search.proquest.com)
- Chemical Abstracts-SciFinder ((http:/scofomder.cas.org)
- Science Direct (http://www.sciencedirect.com)
- IEEE Xplore (http://ieeexplore.ieee.org)
- j-Gate plus (http://jgateplus.com
- Cambridge Books online (http://ebooks.cambridge.org)
- Wiley E-nooks (http://onlinelibrary.wiley.com)
- World Bank Publications (http//elibrary.worldbank.org)
- UN and World Bank Resources

Shodhganga Project and theses digitization (2014-15): The library has uploaded soft copies of 79 theses to the INFLIBNET. 1500 past theses were scanned and edited and are being readied for upload.

Kerala Index Kerala Index is a prestigious and unique publication of the Kerala University Library (since 1986). It is a retrospective index covering articles appeared in the selected periodicals and journals. Full text scanned images of the concerned article can be retrieved through linking the bibliographic details of the documents retrieved. The Kerala Index has been made in the digital format and made accessible online. 60,000 bibliographic entries has been made using Unicode.

UN Publications: The Library receives more than 200 titles from UN Headquarters and 700 reports from various agencies and 1500 proceedings from the UN General Assembly, Security Council, Economic and Social Council etc. The library also functions as a depository of World Bank Publication.

LIDAS (Library Digitization are Archival System) is a digital archive of old, unique and rare documents of 18th, 19th and 20th centuries, with more than six lakhs of pages constituting 950 books and 860 periodicals.

4.4 Technology Upgradation: Many new initiatives have been taken in this direction, as follows. (i) **Kerala University Main Site Development:** The main site of University of Kerala modified with content management facilities of upgraded technology. (ii) **Student Life Cycle Management:** A new Java based system has been developed in which, the entire students services are made available online. (iii) **Visual Arts – Online Entrance Registration:** Online exam registration for Master's program in Visual Arts was developed and is available in 2015. This includes student registration, student services and online hall ticket. Facility for section staff to verify/reject students, define examination centre, upload hall ticket is also available. Section staff can take Nominal Roll, Application Number wise/Multiple Subjects applied student wise reports from the online system. Software is now operational. (iv) **Cash Counter Software:** A new web-client based software implemented at cash counters with online consolation feature. (v) **Admission Software:** The admission software is started to generalize different admission programs conducted by University of Kerala. (vi)**Teacher Data Card Computerization:** Teacher Evaluator's data card has been computerized to prepare valuation list of teachers. (vii) **School of Distance Education:** Comprehensive software for management of students in school of distance education is under development. (viii) **Biometric Attendance System:** this has been fully implemented now. (ix) **m-Governance:** Finance Department continues its salary and related alerts on mobile platform.

4.5 Computer, Internet access, training to teachers and students and any other program for technology: Some details concerning this are covered in 4.4. IT training center and management training center are in working phase. Training programmes are conducted for university staff on the basis of concerned software they use, which are developed as in-house projects. As regards training, the staff is also deputed for Govt's e-Governance training. **Additional information:** (i) **Datacenter:** University of Kerala has its own tier-4 Datacenter. The servers, storage and controllers are kept in the datacenter. The Datacenter was commissioned in March 2015. (ii) **CCTV facility:** New CCTV facility is established in Syndicate room and front offices of Vice Chancellor and Pro -Vice

Chancellor. The CCTV installed at Syndicate room has audio recording facility. (iii) **Internet Access:** 24 X 7 internet facility available at both Kariavattom and Palayam campuses free of cost. (iv) **Wi-Fi:** Wi-Fi facilities are extended to University's both campuses. Now additional networking is under progress. A network security project has been started with most modern technologies are used.

4.6 Amount spent on maintenance (2014-15)

Project	Amount
Hardware Purchase (as part of e-Governance project)	160 lakhs
Campus Network Security	49 lakhs
Networking (Additional Points)	16 lakhs
RFID based Smart card system in Kerala University Library	25 lakhs

Criterion B5: Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services
(a) In common induction programme, student support facilities and schemes are included.
(b) University brochure for 2015 -2016 also explains various student support schemes.
(c) Routine communication through posters, circulars and web posts

5.2 Efforts made by the institution for tracking the progression
(a) The IQAC compiles status reports, analyses and takes action
(b) CSS Academic Committee also surveys student progression.

5.3 (a) Total Number of students in teaching Departments (excluding IDE)(2014-15)

UG	PG	Ph. D.	M. Phil	Others
-	1446	798	260	9

(b) No. of students outside the state: 8
(c) No. of international students: 19

(d) Student Profile (PG only)

Last Year					
General	**SC**	**ST**	**OBC**	**Physically Challenged**	**Total**
505	232	12	572	10	1331

This Year					
General	**SC**	**ST**	**OBC**	**Physically Challenged**	**Total**
531	280	16	672	15	1514

Demand Ratio: 1:15   Dropout %:-Around 10

5.4 Student support mechanism for coaching for competitive examinations (If any)
This is done by some departments at Department level. This year, the annual student survey will assess the student requirement and design new schemes accordingly. This year, one student from Department of Economics got 40th rank in IAS selection.

5.5 No. of students qualified in competitive examinations

NET	SET/SLET	GATE	CAT	IAS/IPS	State	PSC/ UPSC	Others:
141	22	31	0	1	46	3	16

5.6 Details of student counselling and career guidance
The University Employment Information & Guidance Bureau has conducted the following vocational guidance activities during 2014-2015.

Activities	No.	No. of Participants
Individual guidance	164	164

Individual information	168	168
Group discussion	48	231
Educational Institutions visit	38	3385
Career talk	38	3385
Coaching class conducted	4	142
Career Exhibition conducted	20	1819
Career seminar	20	1819

5.7 Details of Campus Placement

A Job Fair was conducted by a techno-park based company Aegis Ltd. (www.aegisglobal.com) at University campus in Palayam. Approximately 900 students participated in the job fair. About 400 candidates got placement.

5.8 Details of gender sensitization programmes

Gender audit done last year has been done for 2015, it is being published. A book titled "SHAKTHI" on women empowerment has been published and circulated. Clubs at University level and Department level are active. The University has also responded to the UGC suggestion to adopt steps to recognize trans-gender. Finally, the University has drawn up a gender policy as follows:

The University of Kerala, one of the premier institutions of higher education in India, hereby adopts a comprehensive gender policy, which acts as a broad guideline towards ensuring gender justice to all, including the LGBTI community. It aims to provide an inclusive teaching-learning environment in which the fundamental rights of all the members of the faculty, staff and students are protected and they are assured a life with dignity and self-respect, irrespective of caste, creed and gender.

To have a gender equality scheme
- *This envisages gender neutrality in the administrative procedures of the University, starting from application forms to degree certificates.*
- *Strengthening the Committee looking into sexual harassment at workplace in keeping with The Sexual Harassment at the Workplace (Prevention, Prohibition and Redressal) Act, 2013.*
- *To conduct Gender Audit every year.*
- *To ensure representation of women in all the committees of the University.*

To have gender sensitization programmes: *The process of sensitization involves instilling in the members of the faculty, students and non-teaching staff the idea of gender equality both at home and at the workplace. It includes, but is not limited to the following:*

- *Sensitizing faculty members to contain the malice of gender marked remarks and advances towards students, teaching and non-teaching staff.*
- *Modification/Revision of content of study material including syllabus and text books.*
- *Encouraging research topics at the M.A., M.Phil and Ph.D levels with significant gender quotient.*
- *Arranging lectures, workshops, seminars, film projections, play acting and so on with the maximum involvement of students.*

- *Sensitizing administrative, library, security, and other staff. A carrot and stick policy advisable here.*
- *Building awareness among students of the ramifications of unwelcome sexual behaviour.*
- *Conducting awareness programs on cyber safety.*
- *Forging partnerships and links with those involved in gender justice activities.*

To improve infrastructure: *University of Kerala is committed to having sufficient infrastructure facilities to make the campus gender bias free. This could be realized by prioritizing the needs within a timeframe. This requires,*
- *Fully functional street lights (with solar backup) with timely replacing of parts at the campuses of the university.*
- *Sufficient number of toilet facilities including women friendly toilets.*
- *Sufficient number of security personals (all genders).*
- *Sufficient number of supporting staff in the hostels.*
- *Gender neutral recreation center, facilitation centre and gym for residential campus;*
- *Incinerator at the premises of women's hostel; facility to dispose solid waste from hostels and other departments;*
- *Roofing and lighting of women's hostel terrace to dry clothes.*
- *Fully functional cafeteria at the premise of the library during the library hours.*

To consult stakeholders: *This helps us to have a policy that is revised at frequent intervals to reflect the changing needs of society.*
- *To gather information to improve the gender policy the gender policy committee of the University should consult the stakeholders such as students, teachers, employees, parents alumni and others.*
- *Counseling centers and networking among students, faculty members and non-teaching staff should help us to review and improve the internal gender harmony.*
- *The implications of gender policy should be reviewed on a timely basis and necessary changes made, if needed, in its framework for the better implementation of the gender policy.*

The word Mx along with Mr. and Mrs. has been introduced in on-line admission system in 2015-2016.

5.9 Students Activities
5.9.1 No. of students participated in Sports, Games and other events

35th National Games (January 2015) Achievers from University of Kerala and Affiliated Colleges: *(30 students and a teacher won medals)*				
Sl. No	Name of Event	Gold	Silver	Bronze
1	4*100 M Relay	2	1	
2	Takewondo	1	2	2
3	Rugby			7
4	Boxing			1
5	Water polo	5	1	
6	Style Relay			1
7	Point Race 20 Km Cycling			1

8	76 Km Road Mass Start (Cycling)	1		
9	Team Ersuit (Cycling)	1		
10	1 Km Sprint (Cycling)			1
11	Kerin (cycling)			1
12	28 Km Road Time Trial (Cycling)		1	
13	Tennis (M)			
14	Kho-KHO		4	
15	Netball			2
16	Rowing			1
17	Wushu			1
18	2000 mts Coxless 4 team (Rowing)	1		
19	500 mts Kayaking 4 team	1		
20	200 mts Kayaking 4 team	1		
21	1000 mts Kayaking 4 team		1	
22	500 mts Kayaking double			1
23	200 mts Kayaking double			1
24	Lawn Bowls			1

All India Inter University Athletics (Rajiv Gandhi University of Health Science) January 2015		
Sl. No.	**Event**	**Places**
1	4x100m Relay	I
2	200 M run	II

All India Inter University Taekwondo Championship (M&W):
Anna University Chennai, 13- 17th March 2015.

Men team won Overall 3rd Place. Women team won Overall Championship

Sl. No.	Category	Places
1	U-74-KG	I
2	U-58-KG	III
3	U-62-KG	I
4	U-73-KG	I
5	U-57-KG	I
6	U-67-KG	I
7	U-49-KG	III
8	U-53-KG	II

- South Zone Inter University Cricket and Hockey Tournament (Women), organized by Anna University Chennai, University of Kerala won the 3rd Prize.
- South Zone Inter University Tennis Tournament (Men) organized by SRM University Chennai, University of Kerala won the 4th prize.

5.9.2 Performance in Cultural Activities

University team won the Overall Championship in South Zone Youth Festival for the 4th time in a row. The lists of events qualified for the National Inter-University Youth Festival are given below.

Sl. No.	Item	Position	College
I	**MUSIC**		

1	Classical Music (Indian)	II	
2	Group Song (Indian)	I	
3	Group Song (Western)	III	
4	Non Percussion (Violin)	III	
5	Folk Orchestra (Group Item)	III	UIT Alappuzha
II	**DANCE**		
1	Classical Dance (Indian)	II	
III	**THEATRE**		
1	Skit (Group Item)	III	
2	Mime (Group Item)	III	
3	One Act Play (Group Item)	III	
IV	**LITERARY**		
1	Debate	II	
2	Elocution	III	
3	Quiz	III	
V	**FINE ARTS**		
1	Spot Photography	II	
2	Collage	I	
3	Installation (Group)	II	
4	Spot Painting	II	
5	Cartooning	III	

The Kerala University Youth Festival for the year 2015 was organized and scheduled from 16th to 20th March 2015 at Kollam.

5.10 Scholarships and Financial Support (2014-15)

	No. of students	Amount
Financial support from institution	457	Rs.32,04,000
Financial support from government	91	Rs.92,65,425
Financial support from other sources	37	Rs.55,12,165

The Kerala University Youth Festival for the year 2015 was organized and scheduled from 16th to 20th March 2015 at Kollam.

5.11   Student organised / initiatives: Nil

Fairs: State/ University level   :   National level: International level:

Exhibition: State/ University level: National level: International level:

5.12   No. of social initiatives undertaken by the students:

The Depts. Union   has organized a number of activities aimed at social & cultural progress of students. They include:

- Arts Day
- Women's Day (Photo exhibition, Flash Mob, Street Play, 'Freedom Night' - screening "India's daughter" & Debate).
- A 'Beef Fest' was organized to campaign for freedom of choice in food.
- Environment Day Celebrations (Talk on Sustainable Development, Quiz, Tree Sapling distribution & planting)

- Open forum with noted literary figure K.R. Meera.
- Rajasthani Music Concert.
- Debate club meet on "Communalization of Academics".

5.13 Major grievances of students (if any) redressed:

Main grievance of students in the Campus was the lack of sufficient hostel facilities especially for girl students. With the financial support of the Department of Scheduled castes Government of Kerala, a new hostel has been constructed with 100 beds for girls. Moreover, this hostel is being augmented with one more floor.

Criterion B6: Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Vision
The University of Kerala aims at fostering scholarship which is independent, critical, innovative, inclusive and emancipatory in a manner that it contributes to the intellectual, cultural, social and economic development of the individual and the society.

Mission
Towards achieving the vision, the University shall continuously:
- Design, implement, and review and revise schemes for promoting innovation
- Strengthen its policies for ensuring inclusiveness to ensure equity and access to education for all
- Focus teaching and research in inter-disciplinary and multi-disciplinary areas with a view to promote economic vitality, environmental sustainability, and quality of life in Kerala and beyond
- Adopt, promote and disseminate eco-friendly practices
- Ensure world class infrastructure, equipped with latest technologies
- Promote transparency, social accountability and democratic practices in its functioning
- Bestow its attention on cutting edge sciences, technologies and humanities
- Strengthen its social relevance by tuning teaching and research to suit local and global social needs
- Initiate pedagogic reforms in tune with technology and times
- Develop human potential to its extreme extent for the creation of intellectually talented and imaginatively gifted leaders, who are locally oriented and globally competent
- Promote reciprocal linkages with local and global industries and also with the rest of the world
- Facilitate transformation of the University as a favourite destination for niche areas of its focus
- Facilitate, promote and disseminate critical reason in all disciplines for the rationalization and emancipation of humanity
- Define and refine working definitions of quality, excellence and access based on universal principles
- Re-engineer its administrative system and practice to suit the vision
- Encourage all stakeholders of the University to constantly evolve a code of conduct to achieve the vision
- Facilitate measures to ensure that knowledge leads to practice, thus realizing the motto of the University, 'Karmani Vyajyate Prajna'(Wisdom emerges through action)

6.2 Does the Institution has a Management Information System

The development and implementation of file flow software is under progress. The University Campus connectivity is made available to all departments and sections. Extended Wi-Fi connectivity is also made available in both campuses.

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development:

After the completion of the ongoing curriculum revision, an external review as well as a curriculum fair is planned.

6.3.2 Teaching and Learning

An approach paper on improving teaching and learning is being drawn up. Many new ideas are suggested in Master action Plan. A Teaching, Learning & Assessment Review Committee (T-LARC) for centralized monitoring has been constituted.

6.3.3 Examination and Evaluation

The strategy in these areas is to demonstrate successful pilot trials. Answer booklet re-design, new work-and-motion flow for marking etc are now being taken up.

6.3.4 Research and Development

The strategies for quality improvement in R & D are already outlined in the new policy documents.   They center on (i) interdisciplinarity (ii) innovation (iii) external linkages (iv) start-up enabling. The Vice- Chancellor has written to selected external industries and organisations seeking inputs. PhD summaries are being compiled.

6.3.5 Library, ICT and physical infrastructure / instrumentation

Library audit and peer review has been completed. All library activities are to be rationalized based on this.

6.3.6 Human Resource Management:

	Teaching	Non-teaching
Recruitment	National level advertisements	State level advertisements
Selection	Application blank, interviews	Test, Interviews
Induction	Through Academic staff college	Through various agencies under the leadership of Registrar
Training	Continuous through in-house and external agencies	Through Academic Staff College, Institute of Management in Government etc.
Performance appraisal	Self-appraisal report as stipulated by UGC	Confidential reports
Promotions	As per UGC	As per Government of Kerala norms
Transfers	As per UGC	As per Government of Kerala norms
Salary	As per UGC norms	As per Government of Kerala norms

Grievance redressal	Committees are in place	Committees are in place
Manpower planning	By the Senate & the Syndicate	By the Senate and the Syndicate
Industrial relations	Associations of Teachers to represent the teachers to the Management	Association of Employees to represent the employees to the Management
Collective bargaining	Allowed	Allowed
Disciplinary procedures	Terms are known to teachers	Terms are known to Employees
Organisational structure	A standard organisation structure based on hierarchy is in place – tenural Director of Schools/ Head of Departments for 3 years	Based on hierarchy is there

6.3.7 Faculty and Staff recruitment: As per UGC guidelines

6.3.8 Industry Interaction / Collaboration

A very detailed policy on Innovation and start-ups has been drawn up. The Vice-Chancellor has written to selected industries seeking their suggestions for industry-relevant research. Compilation of research summaries of PhD is underway.

6.3.9 Admission of Students

Admission Policy has been framed as follows:

Student Diversity and Seats-to-Applicant ratio are both parameters used in almost all quality assessments. It is therefore required to spell out guiding principles regarding PG admissions (equally applicable to MPhil admissions). The following guiding principles are proposed:

-The admission process should ensure wide catchment of applicants from every category to ensure that the quality of student inputs is maximized. This is an essential requirement for the improvement in quality of academics. The parameter of student applications/seat asked by agencies such as NAAC arise out of this principle

-To ensure wider catchment, applications should be invited as early as possible. There is no difficulty in notifying admissions 6-8 months in advance. The date of entrance examinations should be announced along with the first notification so that outside state applicants can plan journey. Entrance can be held early enough without concern about result publication date.

-Application forms need to be redesigned so that it does not collect data for processing admissions clerically, but the form be academic in nature, for instance, seeking statement of purpose etc. These forms can be of two parts, A & B, as is practiced now.

-Applicants should be served well, with facility to post queries and it to be answered in a web site, which is visible to all.

Admission is made through a common notification in all leading newspapers and in the university web site. This is followed by a common entrance examination and interview.

Selection is based on marks in the qualifying examination and in the entrance examination. Reservation of seats exists and is strictly followed as per government norms.

6.4 Welfare schemes for various Staff (2014-2015)

Sl. No.	Item	Amount
1	No. of Staff who availed house building loan	4
2	No. of Staff who availed computer loan	-
3	No. of staff who availed vehicle loan	-
4	No. of staff who availed soft loans to meet surgery/ hospitalization	-

Source: Records of Ad.G./2014,the University of Kerala

6.5 Total corpus fund generated

Receipts (2015-16)	Amount in lakhs
Grants from Govt. of Kerala	14265
General Receipts	2035.86
Fee for certificate &revaluation	628.65
Examination fees	3562.66
Departments- fees & other receipts	483.33
Receipts from IDE	1093.50
Publications fees	21.21
Hostel fees	20
Self-Financing courses fee	1358.79
Library	12.64
Miscellaneous	295.29
Total Corpus Fund generated	**23776.94**

Source: Annual Accounts

6.6 Whether annual financial audit has been done: Yes: ✓   No:

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

Audit Type	External		Internal	
	Yes/No	**Agency**	**Yes/No**	**Authority**
Academic	Progressing	3 member peer team	Progressing	T-LARC
Administrative	Yes	Local Fund Govt. of Kerala	Yes	University Audit

6.8 Does the University/ Autonomous College declare results within 30 days?
For UG Programmes   Yes: ✓   No:
For PG Programmes   Yes :   No : ✓

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?
Examination Reforms have been taken up by IQAC in this cycle. In the next report tangible results shall be reported

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

The Govt. of Kerala amended the Kerala University Act, 1974, incorporating provisions of granting autonomous status to the colleges affiliated to the University (Ordinance No.56072013, dated 30.11.2013) and autonomous status was granted to Mar Ivanios College (vide U.O. No. AIV/1/032109/2014 dated 01.09.2014), Fatima Mata National College, Kollam (Vide U.O. No. Ac. AIV/1/033072/2014 dated 01.11.2014), for a period six years with effect from 2014-15. The Vice-Chancellor has nominated one member each for the Governing Councils and three members each for the Academic Councils of the Colleges, as representatives of the University. University convened a meeting of the Principals of the Autonomous Colleges, presided over by the Pro-Vice-Chancellor, on 02.07.2015 and discussed the next procedures to be followed with regard to the Autonomous colleges. The University has recommended and forwarded application for autonomy of University College, Thiruvananthapuram to the UGC, but it is learnt that the procedures are yet to be completed for the grant of autonomous status to the college by the UGC.

6.11 Activities and support from the Alumni Association:
Department level alumni associations are active in many Departments. Steps form a federation of alumni associations has been initiated.

6.12 Activities and support from the Parent – Teacher Association- Nil

6.13 Development programmes for support staff:
E-governance training has been organized by the Govt for which staff has been deputed. Computer Centre runs programmes for training staff.

6.14 Initiatives taken by the institution to make the campus eco-friendly.
An Environment /Green Audit has been completed and published. 'Green Campus' – A scheme to substitute Acacia plantation in 350 acres of Campus with medicinal plants and indigenous trees has been initiated with the financial assistance of Kerala State Biodiversity Board. Further it is proposed to begin Organic vegetable cultivation in a large scale within the hostel premises, ensuring the participation of students and National Service Scheme Unit of the Campus. This project is a joint venture with Agriculture Department of Government of Kerala. At a cost of Rs. 54 Lakhs, a state of art seed bank is being established in Karyavattom Campus. A database of the available in the seed bank is also being created. Ex-situ conservation of wild relatives of crop plants and Ex-situ conservation of seeds flowering plants of Western Ghats is being done.

The Green charter of the University is the canvas for all such activities. The Green Charter of University of Kerala envisages priorities aimed at, within constraints, the finest accord with nature. Its activities:

Through education, research and extension services, the University shall promote the principles and practices for sustainable development, especially the 6R's (Reduce, Reuse, Recycle, Refuse, Rethink and Respect).

The University shall seek to address the Global issue through local specific actions and through the creation of a knowledge society thereby striving for environmental education and conservation.

In each and every aspect -academic, research, extension or administrative - the University community shall revolve on the Green Axis.

The University shall issue client specific Green Schedules of Dos and Don'ts for each stake holder. Use of plastic and other polluting substances would be discouraged and that of Green products would be highly encouraged.

A culture of segregation and recycle would be encouraged. A paper recycling unit and facility for producing value added products shall be installed for making use of the waste papers including expired answer scripts with the help of Kudumbashree.

University shall make all efforts to popularize ethnic foods and beverages and discourage the junk ones.

An outlet selling ethnic drinks including sarbath, buttermilk, fresh juice, lime juice etc would be opened in the campus in association with Kudumbashree.

To combat the menace of bottled water, water purifiers would be placed in all buildings or floors based on population density and accessibility.

Monoculture of Acacia in Kariavattom Campus shall be gradually replaced with a variety of trees aimed at preserving and enhancing the biodiversity of the Campus.

E-governance drive shall be initiated to reduce the use of paper. At the same time, awareness would be created about carbon emission associated with emails, search engines and social networking facilities.

Uniform dust bins with Green Messages shall be placed in every nook and corner with CSR support.

All new buildings shall be constructed as Green buildings, which minimize artificial lighting and air-conditioning.

In 2015, Environment/Green Audit has been conducted and report published.

Criterion B7: Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

(a) **A 3- tier induction programme** has been conducted for 2015 PG admissions.

(b) A University **PG Handbook/Brochure** has been printed and distributed to all new PG admissions.

(c**) Graduate Attributes** have been drawn up and an explanatory video has been released.

(d) **Annual Student Survey** has been conducted and published.

(e) *Academic Audit has been initiated.*

(f) **Student Quality Council** has been constituted to ensure active involvement of students in quality affairs.

(g) **Two Bench mark** studies published.

(h) **15 over-arching P**olicies for the University has been drawn up by IQAC.

- *The University coat of Arms and Motto*
- *Vision and Mission statement*
- *Attributes of Graduates*
- *Admission policy*
- *Inter-disciplinary policy*
- *Extension & Institutional Social Responsibility policy*
- *Gender Policy*
- *Green charter*
- *IP policy*
- *Innovation and Student Start- up policy*
- *IT policy*
- *Open Source Policy*
- *Quality policy*
- *Policy on creating Enhancing Infra-structure*
- *Anti-Plagiarism Policy*

(i) **An eBook publishing scheme** has been launched which invites all faculty & students to write scholarly eBooks in PDF and ePUB format

(j) **Teaching, Learning and Assessment Review Committee (T-LARC)** has been constituted to monitor teaching, learning & assessment.

(k) **Research Methodology Workshop** has been conducted by Departments Students Union in collaboration with IQAC.

(l) *A 'University Skill Acquisition Programme"-USAP-has been designed for launch in 2015-16 to provide additional skills to enhance employability of students. Foreign language training is an important component of USAP.*

(m) *A 350-point Master Action Plan for Quality Improvement has been produced through wide-based discussion and the same has been published.*

(n) *A Research Summary Bulletin is being compiled for being communicated to industries & R&D organizations.*

(o) ***A Multi-Disciplinary Annual Research Conference (MARC)*** *was conducted during December 2015.*

(p) ***A 60 month planner*** *for cycle 3 has been drawn up*

(q) ***A new web site for IQAC*** *has been launched at iquac.keralauniversity.ac.in*

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year: The Master Action Plan adopted in early 2015 containing 346 action points (to be acted upon over 5 years, in 8 themes) was reviewed. The number of items completed/ initiated under each theme is given below. The overall percentage progress is 91/350, approximately 25%.

Sl No.	Theme	Total Points	Action initiated/ Completed	Progress %
1	Vision, Frame Work & Benchmarking	31	15	48.4
2	Research & Innovation	38	8	21.1
3	Teaching, Learning & Evaluation	61	15	24.6
4	Schools, Depts., Centers & Institutions	36	6	16.7
5	Student Development	45	13	29
6	Governance	105	25	24
7	Extension	12	3	25
8	Miscellaneous	18	6	33.4
Total		**346**	**91**	**26**

7.3 Give two Best Practices of the institution *(please see the format in the NAAC Self-study Manuals)*

Library Quality Audit: As a part of monitoring quality of various arms of the University system, the Internal Quality Assurance Cell (IQAC) of the University of Kerala has embarked on a series of base-line studies. The Library Quality Audit is the first of the series. Libraries continue to be critical resource and eco-system of academic activities for scholars and students. This is the reason why the first internal quality audit has focused on libraries. This report collects and presents a summary of basic data of the University library system. It includes section on Library heritage, library stock, Acquisition and Growth, membership, Books Utilization, Provision of space, Seat/Member, Library Budget Utilization, Average cost of Books etc, all arranged as sorted tables. A review of the study by eminent library professionals outside the system has been sought and forms a part of the Audit. The University plans to entrust the conduct of study in the coming years with the University Librarians, involving the Library community. It is hoped that the document will serve as the base-document for discussions, debates and decision making in library relates issues.

eBook Publishing: In the draft master action plan of IQAC, one of the initiatives suggested was to bring out eBooks by faculty members, research guides, and research scholars. A circular inviting author to submit brief proposals has been issued by Registrar. Posters have also been displayed in all Departments and centers. Authors who are faculty members may submit the text of the eBook directly. Research scholars may submit it along with 2 review comments by eminent scholars. The book will be released through University website under "Creative Commons License".

7.4 Contribution to environmental awareness / protection

Environmental Day has been celebrated in Campus on. "One student/One tree" initiative has been taken up by NSS. Green Charter of University is continuously promoted. An environment fest has been organized by Gandhian Centre. Environment /Green Audit conducted.

7.5 Whether environmental audit was conducted? Yes/No.: Yes.

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis): The University's Master Action Plan for Quality improvement has drawn from the Exit Report of NAAC peer team and also parameters of "University with Potential for Excellence" scheme etc. This is being continuously acted upon.

7.7. Plans of institution for next year.

The University's Master Action Plan for Quality improvement with 350+ Action points is the road map for the next year. Major activities planned include:

a) Holding Curriculum Fair
b) Compiling Innovative Teaching practices
c) Holding Quality Seminar
d) Compiling Research Summaries
e) Compiling inputs form industries and R & D organisations
f) Induction Programme
g) University Handbook/ Brochure for 2016-17
h) Multi-disciplinary Annual Research Conference
i) Skill Acquisition Programmes
j) eBook Publications
k) Bench Mark Reports
l) Consultancy brochure
m) Academic Audit
n) Gender Audit
o) Promoting Student Start-ups
p) Organizing Talks

UNIVERSITY OF KERALA: ACADEMIC CALENDER FOR CSS PG PROGRAMME 2015
ISSUED BY OFFICE OF THE CREDIT AND SEMESTER SYSTEM

SEM I: 2015 Admissions :: September 2015 to February 2016

	2015 Aug		2015 Sep		2015 Oct		2015 Nov		2015 Dec		2016 Jan	
M												
Tu			1						1	64		
We			2						2	65 +		
Th			3	1 Sem I begins	1	20			3	66		
Fr		.	4	2	2	Gandhi J'thi			4	67 Result	1	81
Sa	1		5	Sri Krish. Jayanthi	3	21			5	68 Result	2	82
Su	2		6		4		1		6		3	
M	3		7	3 Induction	5	22	2	42	7	69	4	83
Tu	4		8	4 Induction	6	23 DU Film Fest	3	43	8	70	5	84
We	5		9	5 Induction +	7	24 DU Film Fest	4	44 +	9	71 +	6	85 +
Th	6		10	6	8	25 DU Film Fest	5	45	10	72	7	86
Fr	7		11	7	9	26	6	46	11	73	8	87
Sa	8		12		10		7		12		9	
Su	9		13		11		8		13		10	
M	10		14	8	12	27	9	47	14	74	11	88
Tu	11		15	9	13	28	10	Deepavali	15	75 Int. Seminar	12	89
We	12		16	10 * +	14	29 +	11	48 +	16	76 +	13	90 End-sem Exam
Th	13		17	11	15	30	12	49	17	77 Int. Seminar	14	91 End-sem Exam
Fr	14	*Karkidaka Vavu	18	12	16	31	13	50	18	78 Int. Seminar	15	92 End-sem Exam
Sa	15	* Ind. Day	19	13	17	32	14	51	19	79 DU Xmas	16	93 End-sem Exam
Su	16		20		18		15		20	CSIR NET	17	
M	17		21	Sree Narayana	19	33	16	52 Int. Exam	21	80	18	94 End-sem Exam
Tu	18	DU -RU Onam	22	14	20	34	17	53 Int. Exam	22		19	95 End-sem Exam
We	19	DU -RU Onam	23	15 +	21	35 +	18	54 Int. Exam	23		20	96 End-sem Exam
Th	20	DU -RU Onam	24	Bakrid	22	Maha Navami	19	55 Int. Exam	24		21	97 End-sem Exam
Fr	21	Depts - Onam	25	16	23	Vijaya Dasami Muharam	20	56 Int. Exam	25		22	98 End-sem Exam
Sa	22		26		24		21		26	Xmas Holidays	23	
Su	23		27		25		22		27		24	
M	24		28	17	26	36	23	57 Int. feedback	28		25	99
Tu	25		29	18	27	37	24	58 *	29		26	Republic Day
We	26	Onam Holidays	30	19 +	28	38 +	25	59 DU Arts Fest	30		27	100 End-sem Exam
Th	27				29	39	26	60 DU Arts Fest	31		28	101 End-sem Exam
Fr	28				30	40	27	61 DU Arts Fest			29	DU Election
Sa	29				31	41	28	62 *			30	102 End-sem Exam
Su	30						29				31	
M	31				30	63						

February 1 (103), February 2 (104) also for End-sem Exam, 2nd Sem starts on 3rd February 2016.

Cumulative No of working days	19	41	63	80	104

Remarks: Extra Departmental electives offered on Wednesdays (+); Dept Council Meetings on 16th Sept and 24th Nov (*); October 12: Registration forms to be submitted to CSS, October 13: Proposal for End-Sem Exam to be submitted to CSS, October 26 & 27: Assignment Dead Lines.

02-09-2015   Vice-Chairman, CSS

UNIVERSITY OF KERALA ACADEMIC CALENDAR FOR CSS PG PROGRAMME 2015
ISSUED BY OFFICE OF THE CREDIT AND SEMESTER SYSTEM

Remarks: MSE: Mid Semester Examination; ESE: End Semester Examination; Vice–Chairman CSS

	2016 February		2016 March		2016 April		2016 May		2016 June		2016 July	
SEM II: 2015 ADMISSIONS :3rd February 2016 to 16th July 2016												
M	1						2					
Tu	2		1	21			3					
W	3	1 Classes comn. EDE/Sem.I CV Camp	2	22.EDE			4		1	66.EDE		
Th	4	2	3	23			5		2	67		
F	5	3	4	24	1	43	6	Summer Vacation	3	68	1	90.ESE
Sa	6	4	5	25	2	44	7		4	69	2	91.ESE
Su	7		6		3		8		5		3	
M	8	5	7	Sivarathri	4	45	9		6	70	4	92.ESE
Tu	9	6	8	26	5	46	10		7	71	5	93.ESE
W	10	7.EDE	9	27.EDE	6	47.EDE	11		8	72.EDE	6	94. ESE
Th	11	8	10	28.Regn. forms to CSS	7	48.MSE	12		9	73.Int. Seminar	7	95.ESE
F	12	9	11	29.Proposal for ESE to CSS	8	49.MSE	13		10	74	8	96.ESE
Sa	13		12		9		14		11		9	
Su	14		13		10		15		12		10	
M	15	10	14	30.Issue of I Sem. ML	11	50.MSE	16	53	13	75	11	97.ESE
Tu	16	11	15	31	12	51.MSE	17	54	14	76	12	98.ESE
W	17	12.EDE	16	32. EDE	13	52.EDE	18	55.EDE/IIDCM	15	77.EDE	13	99.ESE
Th	18	13.IDCM	17	33	14	VISHU/ VR Ambedkar Day	19	56.IIDCM	16	78	14	100.ESE
F	19	14.IDCM	18	34	15		20	57.Int. Feedback	17	79	15	101.ESE
Sa	20	15.IDCM	19	35	16		21	58.Int.Feedback	18	80	16	102.ESE
Su	21		20		17		22		19		17	
M	22	16	21	36.Assign.Subm'son	18		23	59. Pub.MSE results	20	81	18	3 Sem. Com/ CVCamp starts
Tu	23	Attukal Pongala	22	37	19		24	60. Pub.MSE results	21	82	19	
W	24	17.EDE	23	38.EDE	20	Summer Vacation	25	61. EDE	22	83.EDE	20	
Th	25	18.Pub.S1results	24	Maundy Thursday	21		26	62	23	84	21	
F	26	19. Pub.S1results	25	Good Friday	22		27	63	24	85	22	
Sa	27		26		23		28		25		23	
Su	28		27		24		29		26		24	
M	29	20.Sub. of CSS 3&5 forms (S1)	28	39	25		30	64	27	86	25	
Tu			29	40	26		31	65	28	87.Attendance Display in Notice Board	26	
W			30	41. EDE	27				29	88.EDE	27	
Th			31	42	28				30	89.ESE	28	
F					29						29	
Sa					30						30	
Su											31	

EDE: Extra Departmental Elective; DCM: Department Council Meeting