YEARLY STATUS REPORT - 2020-2021

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 its own campus?	**Yes**
• Phone no./Alternate phone no.	**04712306634**
• Mobile no	**9400946909**
• Registered e-mail	**vc@keralauniversity.ac.in**
• Alternate e-mail address	**vckeralauty@gmail.com**
• City/Town	**Thiruvananthapuram**
• State/UT	**Kerala**
• Pin Code	**695034**
2.Institutional status	
• University	**State**
• Type of Institution	**Co-education**
• Location	**Urban**

• Name of the IQAC Co-ordinator/Director	**Prof. Gabriel Simon Thattil**
• Phone no./Alternate phone no	**04712303013**
• Mobile	**9496275305**
• IQAC e-mail address	**team.iqac@gmail.com**
• Alternate Email address	**team.iqac@keralauniversity.ac.in**

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**

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	**B++**	**81.5**	**2003**	**21/03/2003**	**20/03/2008**
Cycle 2	**A**	**3.03**	**2015**	**03/03/2015**	**02/03/2020**

6.Date of Establishment of IQAC	**10/05/2005**

7.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 functional domains for artificial miRNA mediated virus resistance in black pepper (Piper nigrum L**	**SERB (DST)**	**2019 1095**	**19200000**
Department of Aquatic Biology & Fisheries	**SAP**	**UGC**	**2015 1825**	**1400000**

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	2018 730	856459

8.Whether composition of IQAC as per latest NAAC guidelines	**Yes**
• Upload latest notification of formation of IQAC	**View File**
9.No. of IQAC meetings held during the year	**8**
• The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website. (Please upload, minutes of meetings and action taken report)	**Yes**
10.Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**
• If yes, mention the amount	

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

INAUGURATION OF MEET THE SCHOLAR PROGRAMME : 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. The inaugural address was followed by an online interactive session where students, researchers and faculty interacted with the Hon'ble Minister on the theme 'Covid-19 and the Kerala Economy'

ONLINE TRAINING ON LMS FOR TEACHERS: 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. Considering the significance of LMS based on the online teaching learning methods being adopted and its relevance for the accreditation process there was a need to urgently put LMS in to practice. The training programme was conducted in the online mode for all teachers of the University including contract lectures. The 14-day programme was conducted in association with HRDC, University of Kerala as a refresher course from 5th August 2020 to 18th August 2020.

INAUGURATION OF TRAVEL THROUGH NOBEL WINNERS PROGRAMME : Prof. C. Vijayan, Professor of Physics, IIT Madras delivered the inaugural talk on the theme "Raman Effect and Raman's Effect" as part of the innovative lecture series "Travel through Nobel Winners" organised by IQAC, University of Kerala on

11th December 2020 through video conference. He spoke on the need to dwell deeper into nature and draw inspiration from understanding nature in order to make learning complete.

STUDENT 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. The University level induction programme was formally inaugurated by Prof. C. Vijayan, Professor of Physics, IIT Madras on 11th December, 2020.

CM @ CAMPUS - STUDENTS FOR INTERACTION : The University of Kerala has organized a program called "Navakeralam – Yuvakeralam" CM@Campus on 6th February 2021 at Senate Hall to interact with students and gather ideas on academic and research issues and socio-cultural issues that are paving the way for change in the field of higher education. The objective of the programme was to elicit suggestions from students on the future of higher education in Kerala. Suggestions were sought from students of all affiliating institutions which were consolidated for onward transmission. 250 students were invited to the campus for direct interaction. In this programme, Hon'ble Chief Minister of Kerala Sri. Pinarayi Vijayan interacted with the students. Grand Master Sri. Pradeep presented a program called Inspire Kerala at the event.

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

Plan of Action	Achievements/Outcomes
Comprehensive revision of curriculum and starting of new academic programmes	Introduction of outcome based education for all programmes under CSS and starting of new academic programmes like M.Com Blue Economy, M.Sc Renewable Energy. M.Sc. Space Science
Comprehensive training for administrative staff in administrative reforms, human relations and human resources management	Staff empowered with better competencies and skills
Massive training for faculty on use of LMS and convergence into OBE mode	Launch of comprehensive LMS for programmes under CSS
Use of clean energy and energy savings mode in the campus	Launch of Solar panels, introduction of battery cars, replacing conventional lighting with LED
Sustainable agro based clean campus through Harithalayam, supported with Karshika fellowship with students	Cultivation of paddy and vegetables on campus, massive campaign for new trees and Miyawaki forest on the campus.
Automation of Examination and Academic activities through	Launch of Student Life Cycle Management, RFID, Research Portal and supportive online services.

student friendly service portals	
13.Whether the AQAR was placed before statutory body?	**No**

- Name of the statutory body

Name	Date of meeting(s)
Nil	**Nil**

14.Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to Assess the functioning?	**No**
15.Whether institutional data submitted to AISHE	

Year	Date of Submission
2020	**15/04/2021**

Extended Profile

1.Programme	
1.1 Number of programmes offered during the year:	**64**
1.2 Number of departments offering academic programmes	**43**
2.Student	
2.1 Number of students during the year	**2097**
2.2 Number of outgoing / final year students during the year:	**941**
2.3 Number of students appeared in the University examination during the year	**2058**
2.4 Number of revaluation applications during the year	**3**
3.Academic	
3.1 Number of courses in all Programmes during the year	**219**
3.2	**284**

Number of full time teachers during the year	
3.3 Number of sanctioned posts during the year	298

4.Institution

4.1 Number of eligible applications received for admissions to all the Programmes during the year	26502
4.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	594
4.3 Total number of classrooms and seminar halls	206
4.4 Total number of computers in the campus for academic purpose	1333
4.5 Total expenditure excluding salary during the year (INR in lakhs)	9730.57

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global d

Academic programmes under Credit and Semester System (CSS), PhD, and PDF, are
Regional Study Centres,offer 60 PG (LOCF) (8 more added in 2021), 4 Postgradua

Semester-India Programme with Credit Transfer facility, international collabora
the formulationof unique Programme Outcomes (POs), Programme Specific Outcomes
with POs/PSOs/COs reflecting national/global shift toknowledge economy, with a
and flexibility in adapting to local/global needs as evinced bya whopping 254
requirements.POs are committed to moulding students into: - Critical thinkers

-Ethical and socially responsible citizens.

55% of courses focus on employability/entrepreneurship/skill development as is
Academic Committee,and approved by Academic Council. Confidential students' fe

Critical feedback from students also ensures quality teacher performance/updat
delivery andevaluation, infrastructure, academic-industry interactions, employa
mapping them on tolocal/national/regional/global imperatives.The evaluation pr
and the latter incorporating questions based on PSOs and COs.Academic programme
prospects.Curriculum is replete with professional ethics, gender equity, human
distinctive ethical curricula, thatlooks forward to global requirements while

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1.1.2 - Number of Programmes where syllabus revision was carried out during the year

55

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1.1.3 - Total number of courses having focus on employability/ entrepreneurship/ skill development

1.1.3.1 - Number of courses having focus on employability/ entrepreneurship/ skill development dur

757

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1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced of the total number of courses across all programs offered

1492

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1.2.2 - Number of Programmes in which Choice Based Credit System (CBCS)/elective course system h

64

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1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Er

Contemporary curriculum with holistic content provides a bridge between educat:
integrated in the curriculum, intune with University's vision and mission. Stud

Professional ethics are integral to POs and PSOs, with ethical concerns woven :
cover professional ethics asspecified by ICAI/ICSI.
MAprogrammescomplywiththeethicalstandardsofNITIAayog/PlanningBoard/SEBI/RBI.M.S
Programmes comply with ethical norms ofAICTE/NCTE. LLM/PG Diploma in Human Righ
commendable achievements in Goal No. 5(UN-SDGs). Over 120 courses dealing with

Rich array of dissertations on gender issues across disciplines (Link). During

- **Yoga and self-defence training for women**
- **Legal awareness sessions on women laws**
- **Debates and discussions on gender issues.**

Enduring concern for human values, is reflected in the curriculum. Several prog on human care initiatives:

- **Digital gardening**
- **Literacy promotion**
- **Palliative care**

Centre for Adult and Continuing Education and Extension and Jan Shikshan Sanst Studies, International Centre for Sree Narayana GuruStudies offer interventiona

- **Spreading humane values of renaissance leaders, Sree Narayana Guru and Mah**
- **Anti-dowry and Domestic violence awareness campaign**

Extension activities/field practicum/social sensitization programmes/camps/surv jointly with State Ministry of Cultureespouses heightened gender consciousness Curriculumpraxes include Groundwater conservation, reviving/recharging wells a (Renewable Energy), and Aquaculture.Cross-cutting issues of contemporary relev

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1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the ye

28

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1.3.3 - Total number of students enrolled in the courses under 1.3.2 above

1.3.3.1 - Number of students enrolled in value-added courses imparting transferable and life skills of

582

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1.3.4 - Number of students undertaking field projects / research projects / internships during the ye

1329

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1.4 - Feedback System

1.4.1 - Structured feedback for design and review of syllabus – semester wise / is received from Stud

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1.4.2 - Feedback processes of the institution may be classified as follows

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TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Demand Ratio

2.1.1.1 - Number of seats available during the year

1189

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2.1.2 - Total number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

538

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2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the studentsand organises special Programmes for a

Understanding and identifying the needs of learners, and organizing creative a
a ratio of 7:1. Activities are calibrated,planned and implemented for achieving
three-level induction programme[2], at the University, school anddepartment is
and departments. Through this the students are fully inculcated into the unive
social and emotional integrationof the students with the University system. M.
also facilitated. University strives to ensure social justice byoffering acade
Inaddition, the curriculum is designed to create awareness about such issues.
student enrichment and upgradation ofskills are regularly organized. 'Interact
eminence. Best academic practices like publication of papers,attending knowledg
students.

Advanced learners are encouraged to achieve new levels of excellence by provid
Finishing School[6], theUniversity imparts training in skill acquisition and e
MOOC, LMS[7] and KU Padasala[8] enhances accessibility,equality and equity.

University bridges the digital divide in learning of SC/ST students by providi
festivals, science day celebrations, artsday, exhibitions, management fests, o

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Link For Additional Information

2.2.2 - Student - Full time teacher ratio during the year

Number of Students

2097

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2.3 - Teaching- Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem-solving

University has adopted LOCF[1] in 2020, envisaging student centric pedagogic pr
Assessment practices focus onreal life issues. Pedagogical practices like exper
training for achieving global competencies. Experiential learningmethods like
engaged learning, extension activities, colloquium, ethnographic studies and pr
praxis. Collaborative learning strategies like role plays, brainstorming, virtu
courses are common. A digital repository of trees with QRcodes in the campuses

As part of participative learning, students are encouraged to involve in peer
linguistic and cultural systems viainteraction with local communities. Univers
both R&D institutions of eminence enhances experiential, participativeand colla
of entrepreneurial skills among students. Self-reflection and reflective journa
designed dispenserswhich were made available to the University and neighbouring
Tulaseevanam[3], a medicinal garden is maintained by theuniversity as part of
University. With a deep-seated commitment to the spiritual bond between earth a
University constructed two large wells, and renovated three wells and one pond

File Description

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2.3.2 - Teachers use ICT enabled tools including online resources for effective teaching and learning proc

University is IT enabled and digitally connected, with an Artificial Intellige
online meetings and classes,Koha based Uni@Home[3] for integrated libraries, KU
(for online courses). Teachers make use of theseICT facilities and other exter

University has a Manuscript Library (ORI) which has Asia's largest collection
print, digital and e-resources.The network comprises of the Central Library, Ca
and documents. E-journals include Science Direct, Sci-Finder,Wiley, RSC, IEEE,

Another 10 lakh documents are available at the Kerala University Knowledge Repo
Sindhu programme,along with Cambridge UP and Oxford UP resources. VPN based Uni
multi-library management system isin place[5].

University has set up its own LMS to manage online OBE courses, for assignments

The University has also integrated Safe Exam Browser (ETH Zurich, Educational I
different topicsare produced and uploaded with online accessibility.

Launched a virtual school offering full programmes online, providing students
laboratories and GIS laboratory. Certain departments have well equipped languag

lectures like NPTEL, SWAYAM and e-PGPadasala.

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2.3.3 - Ratio of students to mentor for academic and other related issues during the year

2.3.3.1 - Number of mentors

283

File Description
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2.4 - Teacher Profile and Quality

2.4.1 - Total Number of full time teachers against sanctioned posts during the year

283

File Description
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2.4.2 - Total Number of full time teachers withPh.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D'Lit. du

252

File Description
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2.4.3 - Total teaching experience of full time teachers in the same institution during the year

2.4.3.1 - Total experience of full-time teachers

2934

File Description
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2.4.4 - Total number of full time teachers who received awards, recognition, fellowships at State, Na

13

File Description
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2.5 - Evaluation Process and Reforms

2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaratior

2.5.1.1 - Number of days from the date of last semester-end/ year- end examination till the declarat

35

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2.5.2 - Total number of student complaints/grievances about evaluation against total number appear

3

File Description
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2.5.3 - IT integration and reforms in the examination procedures and processes (continuous internal asses

University has ushered in considerable improvement in examination management sy
allotment process is on forPG, MPhil and PhD programmes.

University follows a Continuous and Comprehensive Evaluation process under the
problem basedassignments, practical assignments, laboratory reports, observatio
other pedagogic approaches to attain learning outcome asper the context. Univer
Technology), an LMS integrated web browser environment carries out secure easse

Awell-oiled CSS machinery is in place since 1995. In CSS programmes odd semeste
are addressed at each stage withalacrity. CSS is in the process of adopting IC

Online examinations were implemented on an experimental basis in 2016. The sugg
registration, e-payment,and hall-ticket generation. LMS is actively used for i
Zoom are used. MPhil and PhD Open Defense examinations are also conducted onli

A unique Student Life Cycle Management System is initiated to ensure the seamle
examination related ones, to the tune of Rs. 5.5crores[4],. During the Pandemi
examination system by constituting different panels for setting question papers
accuracy, with provision for third valuation. University of Kerala is the firs

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2.5.4 - Status of automation of Examination division along with approved Examination Manual

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2.6 - Student Performance and Learning Outcomes

2.6.1 - The institution has stated learning outcomes (generic and programme specific)/graduate attribute

University students are moulded in tune with its graduate attributes which empl
pitching cooperation overcompetition. Learning Outcomes (LOs) in sync with the
effected in consultation with the stake-holders(Teachers, Academic peers, Empl
outcomes (POs) and programme specific outcomes (PSOs), with each ofthe 1492 [n

University places highest priority on value-based education as reflected in the
'Travel through Nobel Winners' are geared towards moulding character, motivatio
three-tier induction programme introduces novice learners to the legacy of the
graduate attributes. The OBE curriculum, POs and PSOs are introducedat the sch
regulations, and provided with academic calendar, CSS Handbook, and scheme and

Classroom teaching specifically focuses on the LOs of the Programs and Courses
and generic courses. CoreCourses are oriented towards in depth and comprehensiv
interdisciplinary lens. Skill Enhancement Courses equip studentsfor entreprene

The assessment process is in alignment with the LOs and Graduate Attributes. Qu
University organized fiveworkshops on OBE, three for imparting training to Cha:

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2.6.2 - Attainment of Programme outcomes, Programme specific outcomes and course outcomes are eval

The paradigm shift from objective-based assessment to outcome-based assessment
objectives of course throughContinuous Assessment (CA), tutorials, feedback fr
assignment, attendance, seminar, and mid-semesterexamination with experiential
transparency and accuracy were in place. The examination results were published
was made mandatory in the final result sheet 929.

Subsequent to the implementation of OBE curriculum in 2020, University had made
rigorous academic deliberations, workshops, expert opinions and peer reviews[1]
subsequent PO/PSO attainment.Attainment of COs are measured both directly and :
voce, activities in Moodle platform etc. At the end of each semester,ESA is co:
to specific assessment methods. The questions for the CA are mapped against CO:

Attainment of CO through Direct method = 0.4 x Class Average Marks Percentage :
COs = 0.9 x Attainment of CO (Direct method) + 0.1x Attainment of CO

(Indirect method).[2] The Course Outcome Attainment Gap is found by comparing calculated by the programme coordinator. Toensure the attainment of POs and PSC

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2.6.3 - Number of students passed during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

901

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2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design

https://www.keralauniversity.ac.in/NAAC/C2/2.7.1/2_7_1_upload.xlsx

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution Research facilities are frequently updated and there is well defined policy for prom

A well-defined and inclusive Research Policy (https://www.keralauniversity.ac.:
University's research over the next tenyears as well as on the ways and means t
established by our founders and personified by successive administrators and ad
social demandsfrom time to time, and to contribute to the creation of knowledge

The Standing Committee of the Syndicate on Academics and Research regularly mee
DoctoralCommittees (DDC). In a unique move towards social equity and excellence
and other approved research centres.Thus, to the non-recipients of any national
month, for a maximum duration of two years.

Research in the University has been brought under the Research Directorate, wit
point, securely hostedsolution platform, the Research Portal http://research.ke
excellence.

To promote cutting edge research University has established a state-of-the-art
commitment and responsibility of the University have been ensured by making the
institutions to promote interdisciplinary research culture.There has been a ver

Proactive research policy in a conducive academic ambience which envisages deep
of excellence into the new millennium.

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3.1.2 - The institution provides seed money to its teachers for research (amount INR in Lakhs)

275.75

File Description
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3.1.3 - Number of teachers receiving national/ international fellowship/financial support by various a

29

File Description
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3.1.4 - Number of JRFs, SRFs, Post-Doctoral Fellows, Research Associates and other research fellows

276

File Description
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3.1.5 - Institution has the following facilities to support research Central Instrumentation Centre Ani Research/Statistical Databases Moot court Theatre Art Gallery

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3.1.6 - Number of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other recognitions by na

6

File Description
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3.2 - Resource Mobilization for Research

3.2.1 - Extramural funding for Research (Grants sponsored by the non-government sources such as in

46.1677218

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3.2.2 - Grants for research projects sponsored by the government agencies during the year (INR in La

1632.44975

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3.2.3 - Number of research projects per teacher funded by government and non-government agencie

1678.6174

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3.3 - Innovation Ecosystem

3.3.1 - Institution has created an eco-system for innovations including Incubation centre and other initiat

A constant striving towards a conducive ecosystem for innovative ideas, creati
(KUBIIC, formerly KUTBSIC)(https://www.kubiic.org/) functions as a platform fo
of academia in creating a springboard forstudents, alumni and researchers in mo

Start-ups approved in 2016:

- **SUKRITI**
- **Pegasus Events**
- **Rihla Malabar Arab Travel Solutions**
- **Massive Data (MaD) Analytics.**

In 2017 there was an increase of 125% in applications, of which eight were sele

- **DNA's Biocules**
- **Waggle Lab**
- **MatLab India**
- **Dextro Systems**
- **Biovent**
- **Ayurbiotech**
- **Frink Labs**
- **Honeyhill Butterfly Gardens.**

In 2021, 106 applications were received and 52 were selected. Currently,83 sta

For upgrading the existing ecosystem of innovations, and mobilising ideas and

University actively joined hands with KSUM's IDEA FEST 2019 to foster and cele
7 Lakhs for ideas with prototypes.University floated the event, garnering wide
namely Agritech (5), Health and Medical Technology (7), Information Technology

University joined hands with K-DISC in its Young Innovators Programme (YIP), g
of more than 100innovative ideas from the University, five were selected for f

University has also joined hands with K-DISC's latest initiative, 'Kerala Know
Under this scheme,University proposes to host a Centre for Training Trainers,
as a nodal centre of Kerala Knowledge-Economy Mission.University has submitted

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3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rig

3.3.2.1 - Total number of workshops/seminars conducted on Research methodology, Intellectual Prop

34

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3.3.3 - Number of awards / recognitions received for research/innovations by the institution/teacher

3.3.3.1 - Total number of awards / recognitions received for research/innovations won by institution

39

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3.4 - Research Publications and Awards

3.4.1 - The institution ensures implementation of its stated Code of Ethics for research

3.4.1.1 - The institution has a stated Code of Ethics for research and the implementation of which is
- **Inclusion of research ethics in the research methodology course work**
- **Presence of institutional Ethics committees (Animal, chemical, bio-ethics etc)**
- **Plagiarism check**

- **Research Advisory Committee**

File Description
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3.4.2 - The institution provides incentives to teachers who receive state, national and international function Commendation and medal at a University function Certificate of honor Announcement in th

File Description
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3.4.3 - Number of Patents published/awarded during the year

3.4.3.1 - Total number of Patents published/awarded year wise during the year

12

File Description
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3.4.4 - Number of Ph.D's awarded per teacher during the year

3.4.4.1 - How many Ph.D's are awarded during the year

284

File Description
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3.4.5 - Number of research papers per teacher in the Journals notified on UGC website during the ye

1017

File Description
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3.4.6 - Number of books and chapters in edited volumes published per teacher during the year

3.4.6.1 - Total number of books and chapters in edited volumes / books published, and papers in nati

356

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3.4.7 - E-content is developed by teachers For e-PG-Pathshala For CEC (Under Graduate) For SWAYAM Initiatives For Institutional LMS

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3.5 - Consultancy

3.5.1 - Institution has a policy on consultancy including revenue sharing between the institution and the i

University has a unique policy for promoting, motivating and facilitating consu
its teachers, staff, researchscholars and students to address scientific, techn

University has a Consultancy Cell (UCC), a body for enabling, overseeing and ma
routine. In tune with thechanging needs of time, the University reformulates th

With its commitment to deliver high-value custom consultancy services, the UCC
business and industrial houseshave been put into circulation.

UCC meets as and when required to consider consultancy proposals for approval.
its 44 specialized Departments, is equipped to offer a wide and eclectic array
analyses, resource estimation, EIA, counselling, R & Dfor product development,

Central Laboratory for Instrumentation and Facilitation (CLIF) enhances technol
library and laboratory servicesetc.

University has a well-defined mechanism for income sharing in the case of consu
consultancy, 80% goes to theconsultant, and 12% and 8% are shared by the Depart

University has rendered consultancy services to a host of clients, which includ
(Israel), Adani Vizhinjam Port Pvt. Ltd., Rajiv Gandhi Centre for Biotechnology
Electricity Board,Kerala State Biodiversity Board, Kerala State Revenue Departr
has generated total revenue of over Rs. 3.6 crores stand testimony to theoverar

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3.5.2 - Revenue generated from consultancy and corporate training during the year (INR in Lakhs)

3.5.2.1 - Total amount generated from consultancy and corporate training during the year (INR in lak

72.07

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3.6 - Extension Activities

3.6.1 - Extension activities in the neighbourhood community in terms of impact and sensitising students

University's extension activities strive to exist in harmony with the surround:
programs. Right from induction programmes, students are oriented to respect the
exclusive Adult, Continuing Education and Extension. The University has framed

(https://www.keralauniversity.ac.in/NAAC/C3/3.6.1/Extension_Social_Responsibil:

When the State was ravaged by Ockhi cyclone, repetitive floods and landslides,

University through an exemplary act of solidarity donated Rs. 6.5 crores to Chi

To create a pandemic resilient society, University recently contributed Rs. 55

University has created a deep impact on neighbourhood communities with proacti

- Neighbourhood and Beach Clean-Up
- Anti-Plastic Campaign
- Gender Sensitization
- Career Guidance
- Fish Census
- Documentation and Preservation of Endangered Tribal Languages (CELK)
- Psychological Counselling
- Indigenous Traditional Knowledge (ITK) Documentation
- Science Week (Sasthrayaan) and Open Day to instil scientific temper
- Harithaalayam, (Link) University's peerless endeavour to combat global war
- Agricultural Fellowships
- Seed Banks to preserve/promote indigenous floral genetic diversity
- Vegetables (Kerala Biodiversity Board-funded)
- Medicinal Plants (Kerala State Medicinal Plant Board-funded)
- Miyawaki Forest and Medicinal Plant Garden(Link)
- Digital academic content sharing through KU Padasala (link)
- Made available to neighbourhood communities:

  - Weather and Air Quality Monitoring Station
  - University Astronomical Observatory(link)
  - GV Raja Stadium(link)

- Sensitisation to rare knowledge repositories:

  - Central Library
  - Publication Division
  - Malayalam Lexicon
  - Oriental Manuscripts Library

- Social intervention schemes:

  - Philanthropic initiatives during COVID-19:
  - Lending RT-PCR machines to Health Department
  - Sanitizer preparation/distribution

- University NSS bagged State Award 2020 through:

  - Palliative clubs (Social Care Budget: Rs 35 lakhs, 2019-21)(LINK)
  - "Kaithang"- Action Research and Training (Rs 5 Lakhs) (LINK)
  - Palliative Training Programmes(LINK)
  - Blood Donation: 3,500 units annually
  - House Donation- 74
  - Combating Substance Abuse (NSS)(LINK)
  - 'Yuvatha-Nadiyodoppam', riverbank protection and afforestation (8000 trees)
  - Women's Capacity Building
  - Organic farming/tree plantations
  - Vocational Skills Training: through Jan Shikshan Sansthan
  - Village Adoption: Karakulam, Ambalathinkara and Amboori villages

- Ecologically fragile Amboori

- **Tsunami-hit Arattupuzha: coastal bio-shield mangrove afforestation (2km)**
- **Empowering deprived sections of Ambalathinkara**
- **Quantifying water resources- Karakulam**
- **Augmenting groundwater resources of Kundara**
- **Social auditing for promoting sustainable livelihoods in Nedumangad.**
- **Fish Census at Sasthamkotta Ramsar lake**
- **Functional Malayalam Certification for ameliorating the status of linguist:**
- **School Adoption: Enhancing inclusive education through:**

  - **GHSS Valiyazheekkal and GHSS Ramapuram**
  - **GHSS Ayriooppaara, GUPS Karyavattom, GMLPS Thycaud, GHSS Chavadimukku, St.**

The University's mission of combining education with compassion is validated by

File Description
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3.6.2 - Number of awards received by the Institution, its teachers and students from Government /G

3.6.2.1 - Total number of awards and recognition received for extension activities from Government

22

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3.6.3 - Number of extension and outreach programs conducted by the institution including those thr

83

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3.6.4 - Total number of students participating in extension activities listed at 3.6.3 above during the

2087

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3.7 - Collaboration

3.7.1 - Number of collaborative activities with other institutions/ research establishment/industry fo

3.7.1.1 - Total number of Collaborative activities with other institutions/ research establishment/ind

154

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3.7.2 - Number of functional MoUs with institutions/ industries in India and abroad for internship, on

99

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INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The institution has adequate facilities for teaching - learning. viz., classrooms, laboratories, comp

University, established in 1937 has a dual smart campus (Senate house and Karia
institute. In tune with the vision of creating an environment of academic excel
with modern amenities, the Senate Hall (2000pax), together with the Senate Cham

- >150 classrooms, all are ICT-enabled
- One ICT-enabled seminar hall in each department (12 airconditioned), with 2
- Four open-air auditoriums
- 24/7 Wi-Fi enabled classrooms, libraries and campuses
- Five state-of-the-art language labs
- Ongoing project worth Rs.10 Crore to build eight theatre classrooms and 35
- Kerala Government sanctioned Rs.150 crores for further infrastructure devel
- Proposed Thanu Padmanabhan Inter-University Centre for Astrophysics and
- Astronomy(Government funding~Rs.88 crores),
- Proposed Centre for Renewable Energy(Rs.25 crores with token provision in S

All Science and technology departments have separate state-of-the-art laborato

The major instruments include:

- Inductively Coupled Plasma Mass Spectrometry
- Gas Chromatography
- High-performance Liquid Chromatography
- Ion chromatography
- Laser Scanning Spectral Confocal Microscope
- Scanning Probe Microscopy
- X-Ray Diffractometer (Powder XRD)
- Grazing Incidence X-Ray Diffraction
- Scanning Electron Microscopy with EDX
- Field Emission Scanning Electron Microscopy with EDX
- Micro Raman Spectrometer
- Fourier Transform Infra-Red Spectrophotometer
- NMR Spectrometer

Computational needs of the academic community are adequately met with five comm
Schodinger, GIS, Optsim, FibreRating. 10GBPS OFCs ensure optimum connectivity b

University is equipped with ICT enabled physical facilities including state-of-

University has set up LMS to manage online OBE courses, integrating Safe Exam B

KU Padasala is a treasure trove of academic digital content.

A Networked Library System, comprising of Central-Library, Campus-Library, and
750 print journals, 17747 e-journals and 2500 E-books, and a collection of over

VPN based Uni@Home facility provides access to digital resources remotely.

Oriental Research Institute and Manuscript Library has a rare palmyra collectio

Other significant infrastructural strengths:

- Full-fledged Archaeological Museum
- Geological Museum
- Astronomical Observatory
- Media laboratory
- Weather and air monitoring station
- Seedbank

Advanced infrastructure and futuristic vision of the University create an envir

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4.1.2 - The institution has adequate facilities for cultural activities, yoga, games (indoor, outdoor) and sp

University's emphasis on extra-curricular activities helps strike a balance bet
promote art and sporting cultures.

Senate Hall (2000 pax) and Golden Jubilee Hall (1000 pax) act as vibrant stages
the last eleven years stands testimony to University's infrastructure and suppo

Cultural activities are organized under Department of Student Services. Univers

Drama, Film, and Literary Festivals, Music Concerts and Kaviyarangu are regula

Using arts for social sensitization, Centre for Performing Arts organised two

Dhamani - employees cultural organization host regular artistic events. Women'

University Stadium (GV Raja Pavilion) with the first synthetic track in the Sta
are major highlights. Training in Karate, Taekwondo, Boxing and Yoga are availa

Green Field International Sports Hub, India's first eco-friendly DBOT outdoor s

Both these stadia, while stealing the pride of place in Kerala, are also revenu

Other facilities include:

- 4000 SqM playground
- Multipurpose Indoor Court (500 pax)
- More than eight shuttle courts
- Roller-skating training
- Sports facilities at LNCPE

Wide gamut of sporting activities is carried out by the Department of Physical

Such sterling sporting infrastructures helped University achieve many laurels

Yoga is practised and promoted by University Students Centre, Centre for Vedant
infrastructure for Yoga training.

International Yoga Day is celebrated by all teaching departments with a host o

Centre for Adult Continuing Education and Extension conducts:

- PG Diploma in Yoga Therapy (One year)
- Certificate in Yoga and Meditation (three months)
- Teacher's Training Certificate in Yoga and Meditation (six months)

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4.1.3 - Availability of general campus facilities and overall ambience

Divyaangjan-friendly, smart, green campuses (built-up area-1,93,000SqM), with
in the State capital, with salubrious climate and close proximity to internatio
density research institutions, nurturing strong academic bonds through collabor

Experts from these R&D institutions are members of our Research Council. Extens

Academic fraternity is a vibrant presence in some of the unique cultural festiv

Entry to University is through the Asan Square commemorating Kerala's greatest
building, standing tall and erect under an antique landmark clock-tower (Founda
magnificent and archaic auditorium in the city, adorned by lofty portraits of

Important facilities in and near SH Campus include:

- Kerala University Library
- KR Narayanan Students' Amenity Centre
- Examination-Block
- Finance Block
- IQAC office
- Malayalam Lexicon
- Publication Building
- University Press
- Foreign Students Office
- Public Relations Office
- University Stadium
- Research Directorate
- Guest House
- Students' Centre
- International Hostel
- Multipurpose-Indoor-Stadium
- Heritage Buildings housing Departments of English, German, Russian, Educat:
- Astronomical Observatory
- SBI
- Post-office
- Health Centre
- Employees Cooperative Societies
- Canteen&Cafetria-4
- Women's Hostel (occupancy-354)
- Government Audit Wing

- **Recreation Centre**
- **Data Processing Centre**
- **Computer Centre**
- **Gandhian Studies Centre**
- **NSS Office**
- **Career Guidance Bureau**
- **Substation**
- **Women's club**
- **Students Convenience Store**
- **Solar-Plants**

Foundation stone of the Karyavattom Campus laid by Dr S. Radhakrishnan (1962),
along with student support services. Infrastructure instilled with sustained cc
life.

- **Adequate and subsidised residential support:**
- **Three ladies hostels(occupancy-499)**
- **Two men's hostels (occupancy-276)**
- **Faculty and staff quarters(162)**
- **Teacher's Hostel(25)**
- **Guest-houses(2).**

Important facilities include:

- **CLIF**
- **Campus-Library**
- **Manuscripts Library**
- **Green-Field Stadium**
- **Golden-Jubilee building**
- **UGC-HRDC**
- **Engineering Wing**
- **Incubation centre**
- **Museums-Archaeology, Geology, Aquatic-Biology**
- **Language labs**
- **Substation**
- **Open-air auditoriums**
- **Medicinal garden**
- **Health-Centre**
- **Bank with ATM**
- **Post-office**
- **Miyawaki forest**
- **Seed bank**
- **Andaman Plant Conservatory**
- **Animal-house**
- **Nursery**
- **Women's room**
- **She-toilet**
- **Canteens(3)**
- **Convenience Stores**
- **Employees Cooperative Societies**
- **CCTV**

Free wifi-enabled, secure campus, with uninterrupted power, smart seminar halls

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4.1.4 - Total expenditure excluding salary for infrastructure augmentation during the year (INR in Lakhs)

4326.31

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4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS) and has digitisation facil

Massive, fully automated, networked integrated library system consisting of Cen
serial control, circulation, etc.

Central Library has a unique status of being open to public with provisions fo:

Fully automated with KOHA, Library is interconnected through OFC. Unique search

All books are catalogued in Machine Readable format accessible from remote loca

An ethical policy of constant updation of resources while connecting and shari:

- Monumental collection of 9,55,731 print books (out of which 7,16,967 are u:
  archival databases of ScienceDirect, JSTOR, Royal Society of Chemistry, Ame
  Proquest, J-Gate, Wiley Online Library and Cambridge University Press. Twe:

Subscription to Scopus, largest abstract and citation database supports Univers

Notable features include:

- Kerala Reference Centre: Unique multidisciplinary knowledge repository incl
- publications, almanacs, directories, gazettes, gazetteers, reports, mostly
- through LIDAS.
- Kerala Index Online: Unique information product with retrospective index of
- (http://www.keralaindex.org).
- Institutional Digital Repository (Rs.35 Lakh) Digitization of 7000 Kerala U
- UN & World Bank Depository of 4385 books, reports and working papers
- Tagore Nikethan Reading Corner: An exclusive reading corner, commemorating
- Laureate's visit on 9-11-1922 (KU Library stands at the location of the gal
- honour of Tagore)
- RFID Library Management System (Rs. One Crore) ensures efficient access and
- books (over 200,000 already tagged). Self-check-in and check-out through cl
- (Rs.85,00,000/-)
- EBSCO Discovery Service (Rs. 15 Lakhs) integrates subscribed contents to a
- Centre for Visually Challenged Users More than 10 Lakh audiobooks available
- https://www.bookshare.org/
- Exclusive Library Corner for Print Disabled (blind/dyslexic/autistic etc.)
- Tools for plagiarism and grammar check (Ouriginal, iThenticate, Grammarly)
- Career Corner-reference support to career aspirants.
- Differently-Abled Friendly (Ramps, Wheelchairs, washroom and Elevators).

Library resources were accessed 20,43,081 times during 2020-21 stands testimony

Library is efficiently managed by a 122strong library professional team.

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4.2.2 - Institution has subscription for e-Library resources Library has regular subscription for the fol

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4.2.3 - Annual expenditure for purchase of books/ e-books and subscription to journals/e-journals du

373.52

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4.2.4 - Number of usage of library by teachers and students per day (foot falls and login data for onli

1941

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4.3 - IT Infrastructure

4.3.1 - Number of classrooms and seminar halls with ICT - enabled facilities such as LCD, smart board

207

File Description
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4.3.2 - Institution has an IT policy, makes appropriate budgetary provision and updates its IT facilities inc

As a State University, University of Kerala adopted Kerala State IT policy. Ta:
five years). The policy emphasizes IT service management, information and netwo

Distinct backup policy is implemented and managed by University Computer Centre

University ensures state-of-the-art infrastructure (around Rs.16 crore):

- AI-based Private cloud
- Tier three Data Centre
- Storage with 100 TB expandable to 200 TB
- LAN connected Computers (2650+)
- Servers (50+)
- 24/7 WiFi campuses
- More than 1 GBPS Internet (1 GBPS NKN, 50MBPS Asianet, 4 MBPS BSNL)
- Firewall Security System
- OFC Backbone network (10 GPBS)
- Parallel High Performance Computers with GPUs

Computers are upgraded periodically with new configurations. University Campus

In addition to Department computer facilities, common computer facilities are a

University provides separate web portals to the students and staff. In 2016 and

Separate subdomains are provided for the following:

- Single window admission system
- Dedicated Research Portal
- Student Life Cycle Management System (SLCMS)
- Learning Management System (LMS)
- E-content creation and dissemination platform
- E- resources
- VPN based Uni@Home
- School of Distance Education Portal
- Examination Portal
- Recruitment Portal
- Finance Portal
- Digital Document File Flow System (DDFS)
- Physical Education Portal
- Hostels' Portal

DDFS facilitates paperless file management system available in all the academic

Student Life Cycle Management System, ensures the seamless journey of students

Regular auditing and certification of developed software by authorised certify

Differently-abled-sensitive IT support (Braille Software) is ensured in the lik

In addition, customised websites are available for:

- University Home integrated with Acharya App
- CSS
- IQAC
- Startups
- Finishing school
- Kerala University Alumni Association
- Department websites
- Departmental alumni Associations

All the above, except DDFS and SLCMS are in-house developed.

A security policy through Disaster Recovery Solution, ensures safe campuses und

Budgetary allocation of Rs 10 crores (2020) is earmarked towards work in progre

University's futuristic vision is embodied in its dream project of implementing

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4.3.3 - Student - Computer ratio during the year

Number of students	Number of Comp

2097	1474

4.3.4 - Available bandwidth of internet connection in the Institution (Leased line)

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4.3.5 - Institution has the following Facilities for e-content development Media centre Audio visual c editing

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4.4 - Maintenance of Campus Infrastructure

4.4.1 - Total expenditure incurred on maintenance of physical facilities and academic support faciliti

2130.54

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4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic an

University has ethical policy of building state-of-the-art infrastructure, whil
society.

Massive built-up area of 1,93,000SqM (Construction in progress for another 909

Expenditure of Rs.193.84 crores ensures sustained infrastructure augmentation

75-strong engineering crew under University Engineer oversees maintenance and u

Syndicate Committee on Planning and Development regularly monitors maintenance,

In-house maintenance, warranties, AMCs ensure smooth functioning of highly sopl
yielding best utilization practices and socially empathetic revenue generation

CLIF is managed by Director, Instrumentation Engineer and eight technical offic

Sophisticated equipment in the Department laboratories are also extended to out

Workstation for Research on Microdata from Census, (sponsored by Government of

Two 11KV substations with backup facility guarantee uninterrupted power supply

Widely accessed Central Library (6994M2) with integrated network of Campus (139

Departmental libraries are open to public. Library Advisory Committee frames ru

Library resources utilization by 21000+ (academic and general public) members,

Oriental Research Institute and Manuscript Library has a rare ancient collectio

University offers free health services through health centres under full-time n

- Counselling services of clinical psychologist
- Free COVID19 testing
- Medical reimbursement
- Medical insurance scheme for students

KR Narayanan Students' Amenity Centre - one-stop support for student-services

Teaching Departments have adequate spatial and infrastructural facilities – cla

Approved IT and ICT policies ensure efficient utilisation/maintenance of electr

Vibrant ICT Support Team (over 100) oversees maintenance, upkeep and updation o

Regular auditing and certification of developed software by authorised agencie

IT support team ensures uninterrupted file flow administration, online meeting

Student-friendly Online Payment Portal facilitates easy fee remittances

Regional Study Centres facilitate decentralised access of University services

Custom hologram Degree Certificates come with 16 security features.

Digital Document Service System for verification of genuineness of certificate

All buildings are connected through 10GBPS Optical fibre cables, LAN enabled, w
system (http://kucc.keralauniversity.ac.in) and a central purchasing system.

University website has huge public demand (8.84 crore hits). Admission, examina

Three-tier security system with separate tiers for Database and Application se

Mirror backup facility offers data protection and disaster recovery plan. Three
safeguard additionalconfidentiality and data protection.

Subsidised food and accommodation with 100% capacity utilization of residential

- Seven hostels (Occupancy-937)
- Teachers' hostel (Occupancy-25)
- International Youth Hostel (Occupancy-110)
- 162 Staff Quarters
- Two Guest Houses
- Sports Hostel

Widely utilized facilities and support services:

- University Stadium with synthetic track and fitness centre
- Green Field International Sports Hub
- 4000M2 playground
- Multipurpose Indoor Court
- Subsidized Canteens (4) and Cafeterias (5)
- SBI branches with ATM facilities
- Employees Cooperative Societies (4-branches) for banking/welfare services.
- Astronomical Observatory
- Geological, Archaeological and Heritage Museums

- Air-Quality Monitoring and Weather Forecasting
- UGC-HRDC(NRC-ARPIT centre for Commerce)
- Administrative training to staff
- Induction training to faculty recruits
- Recreation facility
- Creche
- Pre-school
- Two Post-offices
- Cash counters
- Department of Publications
- Printing press
- Malayalam Lexicon
- Department of Student Services
- Placement cell
- Finishing School
- Center for industrial and Academic Collaboration
- Business Innovation and Incubation Centre
- Thulaseevanam
- Medicinal seed bank
- Vegetable seed bank
- Miyawaki forests
- Andaman Nicobar plant conservatory

Three solar power plants installed/maintained.

Energy audit (2018-19) and green audit certification (A-Grade).

Accessible India Campaign for Divyangjan

Sustainable water resource management policy

Subsidised travel for staff and students (six buses) and transportation for exa

Round-the-clock 100-strong Security Wing (under two DySPs), CCTV network and b:

She-policing ensures safe campuses for women.

Medicinal gardens in Campus accessed by public, school students and researchers

- Career Guidance and Employment Bureau conducted 31 job fairs involving 166
- Model Career Centre conducted:
- Career Guidance Programme in Manamboor Grama Panchayat in 2019 for high sch
- IELTS Aptitude test in collaboration with British Council, Chennai and Awar
- Training-Cum-Placement Programme for SC/ST/BPL candidates in TCS
- Youth Empowerment Programme, psychometric tests to assess interest, aptitud

Skilling programme for neo-literates and non-literates (over 10,000 beneficiar:

Skilling programme for students by CACEE and ASAP

Robust and transparent systems and procedures are in place for optimum maintena

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STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Total number of students benefited by scholarships and free ships provided by the institution

1405

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5.1.2 - Total number of students benefited by career counselling and guidance for competitive exam

1893

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5.1.3 - Following Capacity development and skills enhancement initiatives are taken by the institutio fitness, health and hygiene) Awareness of trends in technology

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5.1.4 - The Institution adopts the following for redressal of student grievances including sexual haras statutory/regulatory bodies Organisation wide awareness and undertakings on policies with zero tole Timely redressal of the grievances through appropriate committees

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5.2 - Student Progression

5.2.1 - Number of students qualifying in state/ national/ international level examinations during the

5.2.1.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-J/

124

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5.2.2 - Total number of placement of outgoing students during the year

298

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5.2.3 - Number of recently graduated students who have progressed to higher education (previous gr

915

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5.3 - Student Participation and Activities

5.3.1 - Number of awards/medals won by students for outstanding performance in sports/cultural act

15

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5.3.2 - Presence of Student Council and its activities for institutional development and student welfare

As major stakeholders in higher education, student representation through Stude
Hostel Committees and CanteenAdvisory Committee ensure participatory democracy

The Kerala University Union, an umbrella association, elected by the Councillor
(Total Budgetary Allocation- Rs 7,33,82,000 while lending support to the annual

Unions work seamlessly in an atmosphere of rights consciousness rendered condu

Campus Student's Council has two annually elected branches, Kerala University

Along with deliberative democratic practices, Unions also provide students broa

Unions jointly organize a host of events and celebrations that enhance student

Programmes conducted during assessment period include:

- Arts and Sports Fests
- Idea Fest to nurture innovation and entrepreneurial skills
- Campus Theatre – Street Theatre for consciousness raising
- Folk Song Fest
- Ritual Arts – Staging of Theyyam, Kooth and Padayani
- Film Club – Campus film festivals showing classic movies and documentaries
- Football Club- Mammootty Memorial Annual Football Tournaments
- Athappookkalam (Floral Carpet) Competition
- Tug of War Competition
- Christmas Crib and Tree Competition
- Story Telling/Writing
- Kaviarangu
- Nature Club initiatives
- Annual ten-day camps with NSS
- Clean Campus, Green Campus Campaign
- Celebrations (Onam, Christmas, Eid, Holi, New Year etc)
- Science Fest
- Career Guidance and Skill Upgradation
- Gender Sensitisation Programme

Both Unions rendered yeoman service to Kerala society during floods and pandem

Excellent magazinespublished annually by the Departments' Union attest to the a

Researchers' Union organizes academically driven activities like lectures by e
received great appreciation nationwide. The training sessions organized (NET, (

Prestigious G. Karthikeyan Memorial Prize (2017-18) for the best Students' Uni

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5.3.3 - Number of sports and cultural events / competitions organised by the institution during the ye

73

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5.4 - Alumni Engagement

5.4.1 - The Alumni Association/Chapters (registered and functional)contributes significantly to the develo

As the mother University of the State, right from its inception in 1937, a lon

Chief Justices, illustrious artists and scientists, including the likes of Dr.
shaping the intellectual lineage of the University.

A global network of alumni has spurred the pooling of resources, leadership an
University of Kerala Alumni Association (UKAA) at the apex, alongside Departme
broader scope and intend.

Alumni extend moral, intellectual and material support in academic and develop

Departmental Alumni Associations have discipline-specific activities, some wit

Currently, the University has a total alumni corpus fund of Rs.10188318/- with

Alumni Associations were instrumental in organizing the following:

- Curriculum Design and Vetting: Alumni significantly contributed to OBE cur
- Academia-Industry Linkage: Close collaboration with our alumni through MoU
- Invited talks by illustrious alumni and experts: Innumerable lectures incl
- Gopalakrishnan (Co-founder, Infosys), Dr. Thomas Isaac (then Finance Minis
  University),
- Ambassador T.P. Sreenivasan
- Mentoring and Start-up : Alumni supported start-ups on and off campus.
- Entrepreneurial and Support: Alumni started enterprise facilitating studen
- Internships and Placements: Alumni mentored M.Tech. project interns[8] wit
- Awards and Fellowships: A series of alumni instituted Endowments, Awards, o
- for Infrastructure Development and Students` Welfare: Installed innovative
- Collaborative and Publication: Alumna-facilitated M.Tech./MPhil/PG project
- Exhaustive online Alumni Directory
- Seminars, Workshops and Programmes: 16 CSIR orientation classes. Trainer's

Alumni Supported Professional Associations: Political Scientist Kerala

- **Alumni Funded Programmes like Prodigy, Cosmet**
- **Career Guidance and Mentoring: Continual investment of time and expertise**

In its continuous striving for academic excellence and ethical commitment to so its wings in its flight towards new horizons of excellence.

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5.4.2 - Alumni contribution during the year (INR in Lakhs)

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GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The institution has a clearly stated vision and mission which are reflected in its academic and adm

University's Vision [1] is reflected in the inscription, "Karmani Vyajyate Pra; University aims to cultivate a passion forknowledge that goes beyond disciplina while rooted in regional culture and practices, University fosters anatmosphere

Right from its inception, the University has adhered to its noble vision listed

- To effect reorganisation of the system of education in the State with a vie
- To make greater and more systematic provision for the furtherance of origin
- To cater to the conservation and promotion of Kerala Arts and Culture.

Reorienting its academic practices and administrative system in tune with the]

University's Mission [1] is to create a haven of creative learning, innovative ethical commitment. Through carefully craftedcurriculum, and continually update

Cutting-edge research with an equal emphasis and interdisciplinary thrust in so

University seeks to create a transformative impact on society through:

- Imparting quality education for all irrespective of their caste, creed, ge;
- Fostering innovative research and critical thinking while catering to the
- Reinforcing consultancy services through full-fledged Industry tie-up.
- Intervening in social issues while shaping socio-political environment conc
- Ensuring academic autonomy within the framework of the established system
- Inculcating entrepreneurial spirit in students alongside social aspirations
- Contributing to academic and social diversity through multi-lingual, multi-
- Disseminating eco-friendly practices.
- Promoting transparency and social accountability.

Proactive University Acts, Statutes and Ordinances [2] are formulated integrat: governance is enabled throughefficient, transparent, democratic, and participat

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6.1.2 - The effective leadership is reflected in various institutional practices such as decentralization and

**University has an august leadership under His Excellency Governor of Kerala as
institutional leadership, complying with the Acts, Statutes, Ordinances and Reg**

**Dynamic and proactive Academic and Administrative Headship under the Vice-Chanc
Registrars. Efficient Examination and Finance wings function under Controller c
Affiliated Colleges. Campus Director co-ordinates academic anddevelopment acti**

- **Highest levels of participative management, particularly of students, is en
  fromdiverse fields. Act-&-Statutes[2]**
- **Syndicate[4], the Chief Executive Body, ensures diversity and inclusivity,
  and make recommendations to be placed in the Syndicate chaired by Vice-Char**
- **Academic Council[6] makes regulations and advises the Senate and the Syndic**
- **Academic Council, with its vast spectrum of inclusive representation, cons:
  Schools with16 Faculties, through a decentralized three-tier system- with I**
- **CSS Academic Committee[7] is chaired by Vice-Chancellor, with members: Pro-**
- **Department Council comprises of all teaching faculty with HoD (Chairperson)**
- **Schools[8] are in place to promote interdisciplinary linkages and programme**
- **Faculties[2] have Deans as Chairpersons, Boards of Study Chairs and nominat**
- **Boards of Study (UG&PG)[2] for each discipline incorporate external experts**
- **Doctoral research activities from registration to culmination is conducted**
- **Internal quality assurance system functions under the IQAC in a totally pa**
- **Grievance redressal mechanism ensures adoption of a transparent, student-fr
  Forum,Hostel Monitoring Committee, Canteen Committee, etc.**
- **Participation from industry is ensured through Centre for Academic and Indu**

File Description
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6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic plan is effectively deployed

**University's strategic plans in the past were founded on its shared values of s
academic achievements, withthe addition of new Departments and innovative progr
like Optoelectronics, Biotechnology, EnvironmentalScience, while simultaneously
betterment became a catalyst for its new multipronged transformative strategicp**

**One of the activities foundational to the strategic plan has been the highly su
further enabled through effective egovernance.**

**Currently, the hallmark of a vibrant CSS is the fundamental rethink that addres
Operations, Kerala Studies, West AsianStudies.**

**A fast-track administrative system, with CSS Academic Committee (CSSAC)[7] cha:
into CSSAC,and ensuring student representation in CSS Grievance Committee.**

Core strength of CSS:

- **100% academic autonomy to Departments for both curriculum development and C
  development,entrepreneurship, and placement.**
- **Wide choice of Core Courses, Discipline-specific Electives and Generic Cour**
- **Basket of Credit (227 Generic Courses) offers wide ranging choice for stude**
- **Dynamic, student-friendly, interactive, CSS Website [9] with enhanced suppo**

- **Promotes inventive cutting-edge courses with focus on live research-problem**
- **Academic flexibility for innovative courses as projects/dissertations with**
- **Online single window system and revised common entrance examination with st**
- **Whopping increase in domestic demand ratio (1:8 to 1:15).**
- **Increased demand from foreign students.**
- **Adoption of Learning Outcome-based Curriculum Framework with adequate teach**
- **In-house Moodle-based Learning Management System[10] with intensive worksh**
- **Additional SWAYAM/NPTEL courses for students.**
- **Confidential Student Feedback System.**
- **Strict adherence to Academic Calendar.**
- **Effective and inclusive Student Mentoring.**
- **Enhanced infrastructure for CSS.**
- **Internship support for students.**

Decentralised conduct of semester examinations during the pandemic across the S
been instrumental in takingthe University to new heights of excellence as evinc

File Description
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6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, admin

A Public University with well-defined organisational structure and hierarchy,
and UGC Regulations[2].

Senate, Syndicate, Academic Council, Faculties, Boards of Study, constituted a
incorporating creative and criticaldebates. Statutory Officials' roles and dut

- **Appointment of Statutory Officers governed by Act, and UGC Regulations.**
- **Open and transparent processes of appointment of Faculty by University in**
- **Time-bound Faculty promotion (CAS) as per UGC Regulations.**
- **Appointment of non-teaching staff through PSC (994 during the period) foll**
- **Ad-hoc and deputation posting (if necessary) following Reservation Policy.**
- **Faculty Orientation/Refresher/Short-term Courses through UGC-HRDC.**
- **Periodic training in LMS, FDP, Induction Training for teacher-recruits, Wo**
- **Orientation/IT-based/administrative training for administrative staff.**
- **Periodic training on use of library resources.**
- **Admission Policy: Transparent Single window national level admission throug**
- **Supernumerary seats for outside-State students, Armed Forces, Transgenders**
- **Supernumerary seats for international students through Centre for Global A**
- **Interdisciplinary studies with enhanced student mobility. Link**
- **Extension and Institutional Social Responsibility Policy[11]: Adoption of**
  (CMDRF-Rs.7.39 Crores), Harithalayam, etc.
- **Research Policy[26] guidelines and supports the research activities.**
- **Robust Consultancy Policy[12] ensures ethical sharing of resources and ser**
  with women outnumbering men among studentsand staff (Students-72%, Faculty-
- **Green Charter[11] for plastic-free, clean energy, eco-sustainable green ca**
- **Innovation-friendly IP Policy[11]: Financial support for publication, pate**
- **Innovation and Student Start-up Policy[11]: Financial support and mentoring**
- **IT Policy and Open-Source Policy[11]: Stellar IT performance integrating Op**
- **Quality Policy[11]: Quality mandate in academic and administrative rubrics**
- **Policy on Creating & Enhancing Infrastructure[11] facilitates creation, enh**
- **Anti-Plagiarism and Ethics Policy[11]:**

1. **Mandatory plagiarism checks and certification in all academic and research**
2. **Mandatory clearance from University Ethics Committee for human subject res**

3. Mandatory clearance from Institutional Animal Ethics Committee for animal

- Right to Service Act for timely delivery and exactness of action.

File Description
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6.2.3 - Institution Implements e-governance in its areas of operations

6.2.3.1 - e-governance is implemented covering following areas of operation

1. Administration
2. Finance and Accounts
3. Student Admission and Support
4. Examination

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6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has a performance appraisal system, promotional avenues and effective welfare m

As a Public University in a media-saturated society mindful social scrutiny ste
University ensures various avenues for workfulfilment,career, intellectual and
Faculty and verification and recommendations are made andforwards to the Office
up grant as Seed money for research, institutional research projects, financial

University's Quarterly Performance Reports submitted to Honourable Chancellor,
University is assessed through Chancellor's Award with the University bagging

Departmental level tests conducted by KPSC is mandatory for Grade promotion fo:

A host of Welfare Schemes for teaching and non-teaching staff include:

- Pension (Statutory/Contributary) with timely revision
- Group Welfare Scheme
- State Life Insurance
- Accident Insurance
- Family Benefit Schemes
- Family Welfare Schemes
- Die in harness employment
- Free Medical facilities at Health Centres
- Medical reimbursement for staff and family
- Interest-free Soft Medical Loans
- Earned Leave Encashment
- Free/subsidized transportation
- Talent Awards for children of staff
- Academic autonomy for physical and mental well-being.
- Paid vacation for Teachers
- Free Professional training
- Inter University transfer for staff
- LTC

- **Free access to library facility**
- **Free WiFi/LAN**
- **Risk Allowance to Engineering staff**
- **Maternity/Paternity Leave**
- **Leave for Higher studies**
- **Sabbatical Leave**
- **Special Casual Leave, Duty Leave for Faculty**
- **Leave benefits as per KSSR**
- **Special Allowance for extra time/work**
- **Special Allowance for Outstation work**
- **Special Allowance to Personal Staff/Drivers**
- **Special Casual Leave/Allowance to Divyangjan staff**
- **Special Casual Leave/Allowance to staff with Divyangjan children**
- **Special Casual Leave and work-from-home facility during Pandemic**
- **Smart Allowance, Night Duty Allowance for security-staff**
- **Performance Allowance for University Press-staff**
- **Special Allowance to strategic sections' staff**
- **Festival Advance/Allowance**
- **Divyangjan-friendly campus**
- **Free Sports facilities (Basketball, Badminton, Stadium, Gymnasium, Playgrou**
- **Fitness and Yoga centre**
- **Recreation clubs**
- **Free amenities for Pensioners**
- **Gender Justice Forum**
- **Life-style disease prevention support**
- **Organic food initiatives: food celebration, vegetable cultivation, fish fa**
- **In-house Counselling facility**
- **Pandemic-relief transport.**
- **Campus Association**
- **Employees' Cooperative Societies**
- **Space and amenities for Staff/Faculty Unions**
- **Women's Club**
- **Arts/Sports Clubs**
- **Film Society**
- **Teachers' Hostel and Staff Quarters**
- **Subsidized Canteens/Cafeteria.**
- **Crèche and Baby-feeding Rooms**
- **Pre-school**
- **Cooperative Stores**
- **Banks with ATMs**
- **Post Office**
- **Vigilant Security Wing**

University is thus founded on a healthy and content workforce ecosystem of comp

File Description
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6.3.2 - Total number of teachers provided with financial support to attend conferences / workshops :

44

File Description
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6.3.3 - Number of professional development / administrative training Programmes organized by the i

35

File Description
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6.3.4 - Total number of teachers undergoing online/ face-to-face Faculty Development Programmes (

228

File Description
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6.4 - Financial Management and Resource Mobilization

6.4.1 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

University is deeply committed to mobilizing resources for better fulfilment o

Government is the major source of grants for the University (Non-Plan outlay- I
Kerala[doc2]. University succeeded in obtaining administrative sanction for Rs

Faculty members submit research proposals to various funding agencies under di
infrastructure (Rs.394 Lakhs). University's potential to generate funds (as ev
However, strategic planning has resulted in 69 faculty recruits which will enal

2015-20 witnessed significant increase in University's efforts to mobilize reso
Department Development Fund(DDF), affiliation fee, rent from University facilit

Awards for teachers based on research funding, and performance, augmented seed
Delhi and an internal Nodal Officer strategizes linkages with funding agencies

Departments[18] share their expertise and facilities to generate funds under DI

University's proactive Consultancy Policy[12] has garnered funds to the tune o:

A substantial Rs. 70 Crores (2015-20) was generated through Distance Education

University mobilized substantial funds (PURSE grant-7.57 Crores, UGC-SAP-1.61 (

Alumni Associations[20] generate considerable funds available for the benefit

Industry Support (CSR-Rs.51-Lakhs, Research Projects-154 Lakhs). [doc1]

Infrastructural Rent Revenue (Rs. 2.54 Crores)

Optimum utilization of resources wheeling to the grid (Solar), saving Rs.4.8 La

Centre for Global Academics facilitates admission for foreign students[21] whic

Publication Department[22] generates revenue (Rs 1.38 Crores) through the sale

Effective utilization of funds is ensured through three-tier audit system (Univ

File Description
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6.4.2 - Funds / Grants received from government bodies during the year for development and mainte

15

File Description
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6.4.3 - Funds / Grants received from non-government bodies, individuals,philanthropists during the y

16

File Description
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6.4.4 - Institution conducts internal and external financial audits regularly

University holds itself accountable to a larger society through a robust mechar
is safeguarded through a strong Finance wing under Finance Officer (FO), in cha
wing. All inflow and outflow of funds sanctioned by Vice-Chancellor is routed
Kerala Financial Code[13], and Store Purchase Manual[14].

To ensure financial accountability, Annual Accounts and Reports on Utilization

Internal Audit mechanism to conduct Pre-audit improves performance and safegua
projects, are granted to be settled/regularised,within a stipulated time.

Annual internal audits by Out-Audit team are in place, for all Departments/Cent

Audit objections raised at the different levels of audit are cleared on a time

Heightened accountability is ensured through re-scrutinizing financial transact

In the case of externally funded research projects, audits complying with paran

A two-tier external audit is conducted by Kerala State Audit Department (KSAD)
utilization of funds are annuallyaudited, and audit queries are submitted to Ur
reply to the queries will be forwarded to KSAD for final consideration andclea:
offer further clarifications for clearing audit comments. Final decisions of tl

Accountant General further undertakes a supplementary audit of annual accounts
the reply, AG will forward the finalreport to Government to be placed before LZ

Thus, a vast, comprehensive, and effective accountability structure ensures etl

File Description
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6.5 - Internal Quality Assurance System

IQAC is integral to University's culture of quality through a tireless process

From a host of IQAC initiated quality teaching and learning processes, two are

1. Learning from Best Practices

Three-tier Student-Centric Induction Programme at University, School and Depart
intellectual journeysmotivated by 'life and works of Nobel winners'. 'Meet the

Open-campus Sastrayan, and Science Week Celebrations, showcasing lectures of en

Inputs from such programmes helped reformulate the Research Policy resulting i

Initiatives of IQAC led to a rise in number of Business Incubation and start-up

Inputs from such interactions have enriched academic content and teaching lear

Several training programmes for teachers and students with the objective of ins

In addition, a series of audits on Gender, Environment, Energy, and Academic ha

2. Training and Development Initiatives

IQAC constantly assesses and reviews outcomes from teaching- learning processes

- Curriculum Review
- Students' Skill-enhancement and support
- Policy initiatives
- Infrastructure support
- Faculty Development
- Disaster Management
- Business Incubation

Adopted a SWOC based strategy, where University's strengths and weaknesses were
University Level Audit ofresources and support mechanisms initiate corrective

Audit inputs were integrated with national OBE framework, initiating massive t

In a quest to upskill and augment industry readiness, programmes were conducte

Best practices from global/national level policy changes in higher Education i

- NEP-2020
- Blended Learning
- Kerala as a Knowledge-hub
- Quality in Higher Learning- NAAC philosophy
- Industry embedded Courses
- Start-ups and Business Incubation (KDISC/KSUM)
- Scientific Social Responsibility of DST

Strategic interventions on quality practices and accreditation during the asses

IQAC Director's seminal role as trainer under NAAC's PARAMARSH offered support

IQAC supported State-level faculty-training initiatives of Higher Education Cou

IQAC's training and development support were integral to institutionalizing Un

File Description
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6.5.2 - Institution has adopted the following for Quality assurance Academic Administrative Audit (AA quality conducted Collaborative quality initiatives with other institution(s) Orientation programme or quality audit recognized by state, national or international agencies (ISO Certification, NBA)

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6.5.3 - Incremental improvements made for the preceding during the year with regard to quality (in case

University is deeply committed to creating an ecosystem conducive to quality us

Enhancing Staff Strength :85 new teacher-recruits (regular), 994 non-teaching s
Faculty and non-teaching staff promotions incentivized quality.

Academic Initiatives

- 14 new PG Programmes including Renewable Energy, Data Science, Artificial I
- New Interdisciplinary Departments

  - Kerala Studies
  - Nano Science

New Interdisciplinary Centres:

  - Agro-ecology
  - Marxian Studies
  - Biodiversity Conservation
  - Rural Studies
  - Renewable Energy
  - Regenerative Medicine and Stem-cell Research
  - Advanced Centre for Tissue Engineering
  - Inter University Centre for Advanced Material Research

- Massive increase in Research Infrastructure- centralized (CLIF[15])/Departr
- Library resources including e-resources (Rs. 22.5015 Crores) with digital r
- Software for grammar and plagiarism check with mandatory implementation.
- Enhanced IT infrastructure (Rs 25.5952 Crores) with DDFS, KU Padasala[25]
- Paradigm shifts in CSS[9]:

  - OBE
  - LMS (Moodle)
  - Credit Basket
  - SWAYAM
  - Enhanced learning access for differently-abled, Transgender, and Defence Pe
  - Launching of CSS Website.
  - Introduction of Research Ethics in PhD Course work

- Membership under NAD and uploading of Digitized Certificates and Mark sheet
- Formation of Research Directorate with focus on Research processes with te

- **Reformulated Research Policy**
- **Reformulated IT Backup Policy**
- **Appointment of Campus Director**
- **Financial support for Publication/Patent**
- **Start-up Grant for Teacher-recruits.**
- **University's own-funded projects for Teachers.**
- **University Research Fellowship tenable upto 5 years**
- **Fellowships to all MPhil students**
- **Launching of distinguished PDF on par with national institutes.**
- **Interaction with Eminent Scholars**
- **Meet the Scholar**
- **Travel with Nobel Winners**
- **Three-tier Induction Programme**
- **Sastrayan and Science Week Celebrations**
- **Expert Committee Report on Post-COVID higher education in Kerala**
- **School level Interdisciplinary Academic Meet**
- **Departmental Academic Audit**
- **Comprehensive Performance Evaluation system for Teachers**

  - **Innovative Teaching Award**
  - **Academic Excellence Award**

- **Timely conduct of Examinations and automation steps for the examination wi**
- **Collaborations for research and development through MOUs**
- **Workshops and training programs for students and research scholars on care**

Online Curriculum Feedback system from stake holders

- **Massive improvement in infrastructure, classrooms, seminar halls, hostel, :**
- **Achievements in University ranking (NIRF, Times Higher Educational Survey,**
- **Accreditation support for unaccredited colleges through training sessions a**
- **Training for teachers, including induction for new recruits**
- **Training for students, skill based and career based training support**
- **Societal linkage through village adoption and school adoption, career plan**
- **Clean campus drive**
- **Professional training to all administrative Staff**
- **Workshops on Examination reforms, curriculum revision, and LMS.**
- **Aacharya mobile Application for Teachers**
- **University- Industry linkages —CAIC,**
- **Centre for Global Academics,**
- **Start-up and Business Incubation support**
- **Launching of Student Life Cycle Management System**
- **Auditing for Academic activities and resources**
- **Environmental-friendly campus initiatives**
- **Skilling initiatives through Finishing School and ASAP**
- **Curriculum fair**

CM@campus programme, compiling a massive database with student suggestions for

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INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

A robust Gender Policy put in place in the State with thehighest female litera

Upholding transparency, social accountability, and democratic practicesprevents
the total students and62.37% of the staff are women stand testimony, to Univers

Gender equity and equal opportunity are ensured through:

Gender Audits revealing highly favourable gender indices, PG-77%, M.Phil.-78%

- Allocation of fellowships minimises dropout rates.
- Female academic mobility through an inter-university transfer for women PhI
- Whooping number of PDFs are women.
- Committed to the cause of transgender justice, offering 100% admission (sup

Academic Initiatives

- Gender concerns are integral to the curriculum, with many departments offer
- Minor and Major Projects on Gender.
- PG and.Phil. dissertations and Ph.D.theses on gender[3].
- New M.A. in Women's Studies is on the anvil, with syllabus structured arou
- Fulbright-NehruProfessional Excellence Award in Women's Studies.
- Two Fulbright Doctoral Awards in Women Studies.
- Received Kairali (Government) Post-Doctoral Research Award for gender stud
- Extended library access till midnight.
- Significant research publications on gender issues in international Journal
- Commendable number of books on gender issues.
- Public lectureson gender equality and empowerment.
- National/international seminars and workshops on gender.
- Travelling Theatre on themes of Anti-Dowry and DomesticViolence for public
- Gender sensitization sessions in Induction programmes.
- Novel programmeto prevent child sexual abuse, while supportingand reintegra
- Supports Women Scientist Scheme.
- FacilitateWomen's PDF (UGC).
- Facilitates women's 'Back to Lab' project.
- Samyukta, a bi-annual peer-reviewed Journal on Gender & Culture[5].

Gender Sensitization Activities

- Dynamic and vigilant Internal Complaints Committee to counter Sexual Harass
- Centre for Women's studies with budgetary support, organises Gender Sensit:
- Counselling for women through full-time clinical psychologist.
- Holistic wellbeing of women through Health Centre.
- Survivor's narratives, talks, detection camps, media shows as part of Breas
- Part of government's Gender Champion programmes.
- Gender justice forum in Departments.
- Separate girl's hostels with security arrangements.
- Common rooms, she-toilets and feeding rooms.
- Women's restrooms in departments.
- Pink police for campus security.
- Women traffic warden ensures road safety.
- Women security personnel.
- Published a book, 'Shakthi' on women empowerment laws for public awareness
- Women's Self Defence Training Programme with Kerala Police.
- Vibrant Women's Club

- **Night walk to end women discrimination**
- **Maternity leave benefits for staff and students.**
- **Day-Care facility.**

Ethical and just gender policies transform University into a haven of gender i

File Description
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Annual gender sensitization action plan(s)
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common rooms d. D

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation Solar en conservation Use of LED bulbs/ power-efficient equipment

File Description
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7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable

Deep commitment to sustainability and environment management is ingrained in tl

A 3-tier waste management system is in place, with waste segregation at source is collected and disposed of asper government guidelines.

A comprehensive and sustainable waste management mechanism in association with

Solid waste management

- **Implemented plastic-free protocol**
- **3500 steel plates and glasses each weredonated through NSS to Thiruvanantha**
- **Ban on plastic flex boards, banners, and other hoardings.**
- **Garbage handlers and dustbins have been put on access points.**
- **Bio-pots are encouraged to convert biodegradable waste to compost.**
- **Anti-plastic campaigns through international Volunteers and NGOs .**
- **Three Bins (green, yellow, blue) are customary to collect segregated waste**
- **Installation of sanitary napkin incinerators.**
- **Biogas plants are installed in quarters and hostels.**
- **DDFS and e-governance have substantially reduced paper waste.**

Liquid waste management

- **An experimental model of "Constructed Wetland" is created**
- **Surplus runoff water is naturally filtered and collected in the Hymavathy**
- **Sanitary sewage is biologically treated for gardening purposes in collabora**
- **Waste water is used for drip irrigation in the hanging garden.**

E-Waste Management

- **University joins hands with the Government for E-waste clearance.**

Waste recycling system

- **Hydroponic systems, that recycle dissolved Nitrogen and Phosphorus wastes**
- **High throughput recirculatory aquaculture facility, which recycles one lakl**
- **Paper recycling unit and facility for producing value-added products are ir**

Hazardous - waste management

- **Committed to minimizing the production of hazardous waste**
- **Used chemicals from laboratories is diluted many times,neutralized, and dis**
- **Agreement with M/s Kerala Enviro Infrastructure Limited, for hazardous was**

File Description
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7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Ope Maintenance of water bodies and distribution system in the campus

File Description
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7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

1. **Restricted entry of automobiles**
2. **Use of bicycles/ Battery-powered vehicles**
3. **Pedestrian-friendly pathways**
4. **Ban on use of plastic**
5. **Landscaping**

File Description
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7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy a

1. **Green audit**
2. **Energy audit**
3. **Environment audit**
4. **Clean and green campus recognitions/awards**
5. **Beyond the campus environmental promotional activities**

File Description
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7.1.7 - The Institution has a disabled-friendly and barrier-free environment Ramps/lifts for easy acce tactile path lights, display boards and signposts Assistive technology and facilities for persons with di equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies

File Description
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7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance a

University functions as a hub of academic, cultural and sports activities in th

variant demographics, including linguistic and ethnicminorities, underlined by

University Youth Festivals have been instrumental in nurturing talents, where e
cultural heritage whilenurturing an inclusive environment of diverse musical tr

Centre for Performing Arts is a unique attempt at integrating diverse art forms
plays on Anti-dowry andDomestic Violence have raised public consciousness on so

Yeoman's service to linguistic diversity, evinced by a plethora of language dep

Departments of Islamic History, Philosophy, and Centres for Vedanta Studies and

In the disaster hit Pettimudi, Centre for Dravidian Cultural Studies initiated

Theoretically rigorous and socially committed, inclusive researches on diverse
Centre forAlternative Economics, Centre for Rural Studies.

India's ancient wisdom is inscribed in multiple volumes of palmyra manuscripts

Centre for Global Academics promotes inter-cultural and inter-institutional int

Equal Opportunity Cell, University Employment Information and Career Guidance I

File Description
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7.1.9 - Sensitization of students and employees of the institution to constitutional obligations: values, rig

"Karmani Vyajyathe Prajna" (Wisdom Manifests in Action) as inscribed in the Uni
diversity. A democratic and inclusive campus ensuring justice,equity and access

Students' induction programmes for moulding responsible citizens, who combine e

Periodic amendments of Statutes Ordinance and Regulation in conformity with the
sessions on human rights, women empowerment, constitutional values, communal ha

- Commemorative lamp lighting, and essay competition on "Gandhi and Me" on Ma
- Diploma programme, and certificate courses in Human Rights (Dr B.R.Ambedkar
- M.Phil. programme in Human Rights
- Generic course on Human Rights to the PG students

Specific activities:

- International Seminar
- "Dimensions of Indian Philosophy in the context of Global Culture"
- "Philosophy of Yoga and Health Management"
- Access to Justice: Trends and Issues

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and o
Conduct is displayed on the website There is a committee to monitor adherence to the Code of Cond
students, teachers, administrators and other staff Annual awareness programmes on Code of Conduct

File Description
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7.1.11 - Institution celebrates / organizes national and international commemorative days, events and fe

University strives to integrate a culture of national integrity, seamlessly wea
many others is thus part of the commemorativeevents celebrated on campus. Unive

National

- Independence Day and Republic Day Nationalflaghoisting, messages, patriotic
- Commemoration of Kargil Vijay Diwasin association with Indian Air Force ina
  function with an august audience (over 2500 defence personnel, NCCcadets, s
- KargilWar heroes memoirs/narratives/talks by eminent soldiers in department
- Martyr's Day
- Rashtriya Ekta Diwas National Pledge/ patriotic videoscreening/National Ant
- Constitution Day -Oaths of allegiance to constitution
- Sadbhavana Diwas -Communal harmony and National integrity pledge
- Dandi MarchDay -National integration songs/Quizzes.
- Gandhi Jayanthi celebrationsreigniting Gandhi smriti /cleaning drive
- Three-day Residential Camp (200 participants) on 'Relevance of Gandhian Se
- Three- day National Integration Camp (350pan-Indianstudents)
- Swachh Bharat Abhiyanweek long cleaning campaign
- National Statistics Day - seminars
- Teachers' Day- Guru pooja/seminars
- National Science Day–Academia-Public Interaction
- Science Week celebrations and Open House

Academia-Public interface to nurture scientific temper Three-Minute Research V:

International

International Yoga Day- demonstrations/lectures World Tourism Day

- Paper presentation
- Documentary videos
- Spot decoration
- Exhibitions

World Environment Day

- Planting of saplings
- Clearing plastic waste
- Medicinal Gardenaugmentation
- Painting competition
- Seminars& poster presentations
- Puppet Show with Thiruvananthapuram Corporation on recycling awareness
- 'Mara Onam'- Environmental sensitisation through ritualistic cladding and
- World Ocean Day- Neighbourhood beach Clean-up driveWorld Wetland Day - sem:

World Wetland Day - seminars/workshops

Energy Dayseminars/workshops World Heritage Day- Public exhibitions/seminars

World Museum Day- exhibitions International Women's Day-

- Talks/Seminars on Cyber-Crimes, Women & Law, Rights of Girl child, Women &
- Constitution, Women & personal Laws, Women empowerment, Anti-dowry,
- Domestic Violence, Sustainable Menstruation Gender debates and discussion
- Short films
- Quizzes

- **Nirbhaya Night walk (Hon'ble Finance Minister inaugurated)**

Regional

- **'Keralappiravi'- Invited talks and Theatre**
- **Mathrubhasha Diwas- Oaths and Essay competitions**
- **Media Fest- Annual 3 Day programme**
- **Koithulsavam - Harvest Festival**
- **Akkamma Cheriyan Remembrance Day**
- **Onam/Holi/Christmas/Ramadan/Eid/Pongal/Dusshera celebrations**

University is committed to moulding enlightened citizens by commemorating the

File Description
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7.2 - Best Practices

7.2.1 - Describe one best practice successfully implemented by the Institution as per NAAC format provid

1. Title of the Practice : Promoting Research through Qualitative Assessment o

- **Consolidate its historical legacy of academic and research excellence in t**
- **Striving for global eminence with local relevance**
- **Promoting Qualitative research through incentives/awards/support intervent**
- **Cutting-edge Science research with equal thrust on Arts, Social Sciences a**
- **Inclusivity, equity, and access to all stakeholders**
- **Research commitment to vulnerable margins**
- **Thrust on innovative research and Start-up ecosystem**
- **Interdisciplinary research praxis**
- **Promoting Area Studies with research emphasis on Kerala's biodiversity, et**
- **Research policy in tune with the demands of the knowledge economy with reg**

3. The Context

As a Public University in the lap of a global biodiversity hot spot, a cradle ethical research, striving towards sustainable contributions to environment an

In a multicultural and multi-ethnic State with high Human Development Indices, unemployment/underemployment,ageing in a high-density population, etc., Univers

Strategically located amidst 26 R&D institutions of national eminence, Univers

University functions as a catalyst of change, in such a complex and diverse so

4. The Practice

Research excellence through constant assessments of periodic outputs, applicat practices of measuring applications with outcomes mapped:

Medicinal/ Health:

- **Scientific validation/propagation of ethnomedicinal plants**
- **Genome sequencing of ethnobotanic plants.**
- **Life-style disease management (natural products/nanomaterials)**
- **"Drugs from the Sea"**
- **COVID-19 severity detection from CT-images**

- **Biocompatible scaffolds for bone, skin, hair, neural regeneration.**
- **Nutraceutical and Nutracosmetic products for alopecia.**
- **Monoclonal antibodies for liver cancer diagnosis**

Environmental:

- **Identified 32 new aquatic species**
- **First record of blue whale acoustics from Kerala coast**
- **Bioremediation for pollution control**
- **Mangrove afforestation in Tsunami afflicted coast**
- **Riverbank afforestation**
- **Plastic-degrading fungi identification**

Renewable Energy:

- **Energy conversion/storage devices invention**
- **Cost-effective performance-enhanced Dye-Sensitised Solar Cells**
- **Highly efficient photopolymer and Holographic optical elements for roof-top**
- **Fabrication of Environment-friendly supercapacitor (electrolyte -water).**
- **Supercapacitors from low dimensional systems.**
- **Hydrogen Generation through electrochemical/solar water splitting.**
- **Sustainable Electricity from bio-waste.**

Industrial:

- **Fabricated High power fibre Laser**
- **Nanostructured thin film gas-sensors (humidity/hydrogen/ carbon-monoxide/et**
- **Effective utilization of diesel soot.**

Security:

- **In-house designed remote monitoring system for fishing vessels using GPS/GI**

Socio-Economic:

- **Social Intervention in Palliative Care.**
- **Food Security and Research Policy Evaluation.**
- **Participatory research on agriculture/food/public health.**
- **Tribal financial literacy for financial inclusion**
- **Iron age burial sites**
- **Pilgrim Tourism and Ecological Sustainability research**
- **Institutional Intervention impact among Tribes**
- **Immigrant Rehabilitation research**
- **Psephology**

Socio-Cultural/Linguistic

- **Linguistic minority Empowerment**
- **Travelling Theatre**
- **Translation**
- **Tribal language conservation**
- **Cultural studies in Kerala**
- **Gender/Dalit/Tribal research**

Groundwater estimation for local bodies Educational:

- **Public Environmental/ Educational Research App.**

- Palm-leaf manuscript preservation/digitization

Biotechnological:

- Chitosan-based nano starch-modified films (food packaging)
- Gene cloning (Honeybee Royal Jelly)
- Novel source for antibiotic actinomycin-D
- Anti-microbial/anti-cancerous compounds from microbes
- Micro RNA analysis for Brain diseases
- Quantum dot-mediated bioimaging
- Microbial isolation of Keratinase (cosmetics)

Promotional Measures

- Research/Performance Awards
- Seed Money
- Research/Publication/Travel Grants
- Financial support for patent filing
- 100% Research Fellowship
- Public access to research facilities at affordable rates
- High-end physical/digital library
- Distinguished PDFs

5. Evidence of Success: Socially useful, high community impact, futuristic and

- Documentation and conservation of medicinal and endangered plants including
- Upliftment of society through academic interventions and social self-refle
- Research infrastructural augmentation with setting up of state-of-art labor
- Design and fabrication of the Security Registration Board with GPS/GPRS net arevolutionary step in safeguarding lives and livelihood.
- Water security through groundwater assessment
- Biodiversity conservation and sustainable utilisation
- A wide spectrum of products such as Lasers, sensors, supercapacitors, sola
- Enlightenment, upliftment, and social amelioration of linguistic minorities
- High-end publications, patents, standard books/reports, awards, and appreci

These results indicate a social transformation facilitating the State's transit

6. Problems Encountered and Resources Required Serious impediments in the path

Constraints:

- Accessibility constraints in reaching research stations
- Absence of 100% residential campus
- Risk in sampling-

Nonavailability of adequate sample Inability to access appropriate sample Humar

- High cost of support services
- Fund constraints for high-cost equipment
- Exorbitant publication cost (high-end journals)
- Limited research visibility due to inability in meeting high publication cl
- Lack of adequate digital literacy and access among marginals
- Monetary constraints for translating innovative research into practice and
- Lack of high-end training in specialized areas
- Funding limitations curtailing academic mobility

* **Difficulty in timely filling up of vacancies due to procedural complexities**

This research ecosystem impelled by social inclusivity and justice can be emula

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a

Dharma of a Public University in a neo-liberal age is the enlightenment of an
impelling knowledgegeneration, dissemination, research and extension towards hi

Conducive ecosystem for Vulnerable Margins

A deep-seated commitment to socially vulnerable groups with a diverse ecosystem
adherencetoStatereservationpolicy,amoralandethicalcommitmenttoupliftingsocialse

Poverty

* **50% BPL reservation in hostels.**
* **SC/ST/Minority/OBC cells for addressing problems of marginalised**

* **Hostel accommodation for 100% SC/ST women students and 30% seats for SC/ST**
* **72% women in campus)**
* **Travelling Theatre for sensitisation on dowry and domestic violence**
* **Gender Justice Forums**
* **No dowry oath during the induction programme**
* **'No Dowry' Declaration is made mandatory alongwith application for degree**
* **Effective grievance redressal mechanisms through Internal Complaints Commit**
* **Night-walk to end women discrimination**
* **Efficient and active Centre for Women's Studies**
* **Women Empowerment**
* **Self-Defence Training Programme**

7.3.2 - Plan of action for the next academic year

* **Critical mass with over 5000 students and 500 teachers**
* **Global hub for Quality Higher Education**
* **Administrative reforms in tune with global imperatives.**
* **Sound ecosystem promoting innovation and creativity, supporting:**
* **High end research targeting creation of Intellectual property**
* **Innovative/sensitive/adaptive academic programmes**
* **Research-led-Teaching with futuristic pedagogy**
* **AI-enabled virtual learning**
* **Synergy in outcomes through international Collaboration, adopting best glob**
* **Strengthening Industry-Academia interface**
* **Creating skill-sets for a knowledge economy**
* **Sustaining robust Startup ecosystem**
* **24 hours live residential campus**
* **Round-the-clock library/laboratory/research facilities**
* **Distinguished Post-doctoral/Teacher fellowships attracting global eminence**
* **Enhanced international Faculty/Student exchange**
* **Integrated research complexes**

As a public University, society is central to our developmental Plans with aca

* **Earn while you learn**
* **Flexi timing**

- Dignity of labour
- Ethical work culture
- Value embedded campus that embraces human values
- Intensifying self-sustainability/bio-diversity
- Enhancing Village/School adoption
- Neighborhood management with local self-governments
- Heightened gender/Divyangjan empowerment

Millennium Brand building for University of Kerala as a Knowledge destination