SELF STUDY REPORT

FOR

3rd CYCLE OF ACCREDITATION

UNIVERSITY OF KERALA

UNIVERSITY OF KERALA, SENATE HOUSE CAMPUS, PALAYAM,
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Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

One of the first 16 Universities in India, University of Kerala was founded as Travancore University in 1937 by Maharaja, Sri Chithira Thirunal Balarama Varma. His vision to Quality Education with Excellence in Leadership was manifested through an open invitation to Nobel Laureate Albert Einstein as the first Vice-Chancellor.

A lotus with a conch shell and a traditional book stand with palm leaf manuscript adorn the Logo, symbolically heralding enlightenment. University of Kerala came into being in 1956, with state-wide jurisdiction, instituting the 'Mother University' that would engender all future Universities.

Crafted by a legacy of excellence and nurtured by illustrious line of alumni, University currently stands tall as a Centre of Excellence in Higher Education and Research, with 43 teaching and research departments (9 innovative ones in the offing), School of Distance Education, UGC-HRDC, Publications Division, Lexicon, Observatory, several Multidisciplinary research centres, replete with state-of-the-art Laboratories, grand Libraries with mammoth digital repertoire, unique Manuscript Library, sophisticated Computer/Instrumentation Centres, Green Field stadium and sports facilities matching global standards.

Cosmic leaps for University's aspirations for excellence:

- Infrastructural surge (KIIFB funding-Rs.150 crores)
- 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 State Budget, 2021)

Scintillating academic performance as evinced by:

- NAAC 'A' grade (2015)

- First Chancellor's Award for Best University (2015)
- Times Ranking,2019 (World-1001+, Asia-301~350)
- QS Ranking,2020 (Asia 351~400, India-49)
- NIRF - Consistently First in State and among First 30 in India in the last 5 years (22nd Rank, 2019)
- Outlook magazine Survey- 18th in India
- Over 3,000 publications, 936 books/book chapters, and 8858 citations
- h-index-33

100% Research fellowships, student endowment support, students services, participative democracy, transparent and ethical governance safeguard University's deep seated social commitment with emphasis on access, inclusivity and empathy. One of the largest and oldest Public Universities in the country with a rich bio-diversity niche in a sprawling 396.4 acres and massive built-up area (1, 93,000M2), the University is all set in its long march towards becoming a Centre of Excellence in a fast changing Global knowledge economy.

Vision

- To have institutional autonomy and academic freedom
- To have strong but impartial public governance
- To be campus rooted but internationally oriented
- To be knowledge based and student centred
- To be research driven and learning focused
- To be quality and cost conscious but socially responsible
- To be technologically sophisticated but community dependent
- To be professionally attuned but humanly sensitive and above all
- To be publicly accountable and socially committed

University's Vision is reflected in the inscription, *"Karmani Vyajyate Prajna,"* in its logo, meaning 'Knowledge reveals itself through Supreme Action'. Combining tradition with innovation, creativity with critique and compassion, research with ethical entrepreneurship, University aims to cultivate a passion for knowledge that goes beyond disciplinary boundaries. Invested in deep rooted social commitment, it seeks to weave knowledge with compassion, bringing equity, integrity, and sustainability to higher education. Imbibing a cosmopolitan vision, while rooted in regional culture and practices, University fosters an atmosphere of free thought, democratic governance and ethical principles, with a student centric and socially committed educational praxis.

Right from its inception, the University has adhered to its noble vision listed below, as stated in the Travancore University Regulation of 1937:

- *To effect reorganisation of the system of education in the State with a view to the gradual development of technical and technological education.*
- *To make greater and more systematic provision for the furtherance of original research in various branches of science including applied branches and technology.*
- *To cater to the conservation and promotion of Kerala Arts and Culture.*

Reorienting its academic practices and administrative system in tune with the latest technology, University of Kerala has been refashioning itself to suit the demands of the contemporary times.

Mission

- To emerge as a centre of academic excellence through holistic education and development of right skills
- To be recognized as the hub of original research and innovative thinking that caters to the needs of the Industry and Policy Makers
- To strengthen the Consultancy services of the University through a full-fledged University- Industry tie-up and thereby tap resources of the Industry for its teaching, research and extension services
- To actively respond to the momentous issues of our society and socio-political environment of the world
- To transform our traditional University into a University of global standard that makes significant contribution at the international level
- To ensure that Departments and centres in the University have autonomy within the frame work of the established system and facilitate the same choice to the affiliated colleges.
- To produce young entrepreneurs who can provide job opportunities rather than be job seekers
- To be known across the globe for the diversity of its teachers and students, and the quality and

employability of its graduates, in diverse fields
- To produce internationally known leaders, scholars/scientists and sports persons

University's Mission is to create a haven of creative learning, innovative research, and entrepreneurial spirit, by providing wholistic education for all, inculcating the ability for critical thinking and creative enterprise, and infusing knowledge and skill with social and ethical commitment. Through carefully crafted curriculum, and continually updated academic and administrative practices, University moulds students into enlightened global citizens, who combine sensitivity with empathy and conviction to intervene in social issues.

Cutting-edge research with an equal emphasis and interdisciplinary thrust in sciences, social sciences, arts, and culture, while seamlessly weaving innovation with technology, help the University occupy a seminal role in India's booming knowledge economy.

University seeks to create a transformative impact on society through:

- Imparting quality education for all irrespective of their caste, creed, gender, race, and religion.
- Fostering innovative research and critical thinking while catering to the needs of policy makers, entrepreneurs and industry.
- Ensuring academic autonomy within the framework of the established system for enhancement of quality education.
- Disseminating eco-friendly practices.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

University has taken up identification of SWOC on a periodic basis and work on reviewing the same. Based on the analysis following strengths have been identified:

- With a lofty legacy of excellence, as one of the oldest universities in the country, University nurtures a deep commitment to knowledge generation, research innovations and strong societal, international linkages.
- Mammoth repository of physical and digital library resources.
- Oriental Manuscript Library with a rarest of rare ancient manuscripts digitized for posterity.
- State-of-the-art centralised and department laboratories housing highly sophisticated equipment.
- Full academic autonomy to Departments in curriculum design/revision/delivery with CSS support.
- Unique curriculum strengthened through inputs from periodic academic audit, feedback from stakeholders and vetting.
- Flexibility to choose from multivalent evaluative mechanisms through continuous assessment within learner centric pedagogy.
- A wide range of academic programs with vivid, contemporary and state-of-the-art curriculum.
- Transparency and accountability at each stage of assessment process
- Robust and participatory grievance redressal mechanism.
- Fulfilling the ethical values and moral responsibility of a public University.
- Capability in continuous strategizing and quality enhancement planning with self-reflexivity, also drawing lessons from periodic status accreditation.
- Equity in access to higher learning and research through nominal fee/100% research

fellowship/endowment support.
- Students' participation in policy decision making bodies.
- Nationally/internationally acclaimed Faculty.
- Diverse and vibrant students' councils.
- Biodiverse/sustainable/eco-friendly campus.
- Best Indus civilization artifacts collection in South India.
- One of the oldest astronomical observatories in India dedicated to public.
- Need based support for students for industry readiness and employability.
- A strong startup culture and entrepreneurial orientation.
- State-of-the-art sports facilities with synthetic track, where illustrious sports persons have been moulded.
- Investment in arts and culture nurturing best artistic talents through annual mega cultural fests.
- Strong and established partnerships across the globe through alumni network.
- Promotion of Inter disciplinary research.
- Gender/Divyagjan empowered campus.

A tireless and continuos striving under a vibrant IQAC, for the best in creative and critical thinking and praxis that weaves innovation with creativity, and excellence with best practices and human values constitute the greatest strength of the University.

Institutional Weakness

Along side our strengths, University is fully aware of its weaknesses in terms of carrying out Stratégic Plans and achieving the Quality Mandate. SWOC analysis revealed the following weaknesses:

- Faculty shortage due to less number of sanctioned teaching posts in many departments when compared to the pyramid faculty structure as envisaged by UGC.
- Existing residential infrastructure is insufficient to cater to the ever-growing student demand.
- Inability to increase the critical mass of students despite huge demand ratio due to inadequate teachers/technical staff/physical infrastructure.
- Inability to fill few fulltime strategic service positions due to the lack of special rules for appointments by PSC.
- Limitations in fully addressing digital infrastructure requirements, so integral in overcoming the digital divide among students.
- Being a public University, due to paucity of funds University is not able to support high end publication cost in reputed journals through open access mode, reducing the visibility of the publications and thereby adversely affecting citation and h-index.

- As a State University, the University is bound to the stringent Acts, Statutes, Ordinances, Regulations and Government manuals, thereby creating inadvertent delay in the implementation of projects.

- Opportunities for international faculty/student exchange in University are limited due to financial constraints.

- The University is affected by systemic weakness in filling unfilled seats for PG programmes for certain reserved categories due to non-availability of sufficient number of applicants, and inability to ethically make available those seats for students from other categories.

A critical awareness of its weaknesses helps the University in thinking through them and charting new innovative/remedial measures for overcoming them.

Institutional Opportunity

Opportunities identified from SWOC:

- **Choice Research Destination**

Strategic location in the salubrious capital of God's Own Country, amidst reputed research Institutions and favourable human development indices, easy access to airport/sea-port/IT Parks, University is poised as a global education leader with congenial research eco-system.

- **Best use of Skilled Human power**:

Government is all set to transform the State into a knowledge economy and the University with its society-centric academic programs, skilling initiatives, conducive start-up eco-system, and mammoth library and research base, can be a potent catalyst in the Government's Knowledge Mission initiatives, transforming the State's human base into a 'Talent Pool' with enhanced competencies.

- **Eminent Institutional Collaborations**

University's research and library resources could be used with synergy in a collaborative mode, advantageously pooling resources for attainment of global excellence, in tune with NEP 2020.

- **Holistic Learning Approach**

With 43 departments, innovative Research Centres, and 8 new departments in the offing in diverse disciplines-Sciences, Social Sciences, Technology, Indian Languages, Foreign Languages, Music, Sports and separate centers for Adult Education, Theatre Art, Media Studies, Culture, Human Values, university has a great opportunity to be a hub for liberal learning with flexibility and interdisciplinarity, under the Holist Approach model of NEP 2020.

- **Knowledge for Social Transformation**

As a public University in a deficient neighborhood University's greatest opportunity is in reaching the unreached, serving the deserving, while offering learning opportunities for neo and non literates.

- **A Hand for Stakeholders**

University offers to each of its stakeholders an opportunity of exposure to a continually up-scaling, up-grading, up-rising and up-right environment of learning through novel academic & research paradigms.

- **Transforming for the Times**

Sensitive to the ever changing needs of swiftly growing economy, emerging service sector, University is equipped to design inventive need based academic programmes.

Opportunity to tap an illustrious alumni straddling diverse fields in the University's flight to new horizons of excellence.

In the land of rich heritage of Ayurveda, nestling in the lap of biodiversity hotspot with a plethora of medicinal plants, unique opportunity to contribute to traditional knowledge systems and sustainable life style.

Institutional Challenge

Amidst paradigm shifts in educational technology and pedagogy all around the world, University is continually striving to achieve its goals of delivering quality education to society. Challenges identified are:

- Trasforming the University to a Centre of Excellence with a Critical Mass on Campus of over 5000 students and 500 faculty in a residential form with State-of-the-Art physical and social infrastructure replete with laboratories, libraries, hostels, health centres, and gymnasia that can boast of global standards.
- Transfroming to the Blended Mode with anytime, anywhere learning in response to the requirements of a rising Gig Economy which necesitates the availability of world class digital infrastructure.
- Fostering High End Industrial Collaborations where Intellectual Property gain valance through transformation into publications (books, papers, and patents), patents to technology transfer, and technology transfer into meaningful applications and products. Impending financial, statutory, and legal implications impose a challenge here.
- Insufficient Government (Central and State) investment in higher education & inadequate financial resources for research infrastructure. Despite decreasing Government support for focused investment in State-of-the-Art laboratory with sophisticated equipment and facilities, University struggles to meet such ends in the interest of higher academic goals. Further challenges are imposed due to stringent policy regulations in spite of benefitting from PURSE/DBT/FIST/SAP largesse.
- Attracting foreign students and faculty to the campus due to competitive factors and regulations.
- Being a public University, inability to compete with the promotional and branding strategies of Foreign and private Universities requiring huge financial investments, and public checks and balances.
- Customized academics with regional focus fail to gain valance in Centralized Regulatory Frameworks.
- Inability to implement timely modernization and professionalization of Governance in tune with global benchmarks creating competitive disadvantages.
- Fulfilling the moral responsibilities of a public University in offering quality education with compassion, human values, and the spirit of empathetic giving, the biggest challenge encountered by the University is that such indices remain less accounted in today's material-driven world.

Thus, the balance between social commitment and revenue generation poses the greatest challenge to a Public University like us.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

Academic programmes under Credit and Semester System (CSS), PhD, and PDF, are in tune with

local/regional/national/global developmental goals. Teaching & Research Departments (43), apart from Regional Study Centers(3), offer 60 PG (LOCF), 4 Postgraduate Diploma (LOCF), and 46 MPhil programmes.

Paradigm shift to LOCF resulted in Empowerment-oriented approach to learning, through the formulation of unique Programme Outcomes (POs), Programme Specific Outcomes (PSOs), and Course Outcomes (COs) of contemporary relevance. Multi-disciplinary approach in curricular transactions engendered unique Basket of Credits (219 courses).

A laudable 100% curricular revision was implemented in the last five years, with introduction of 17 new programmes and 680 new courses. 55% of all courses focus on employability/entrepreneurship/skill development.

100% Programmes are in Choice Based Credit and Semester System.

187 value-added courses were offered during last five years with **42% enrolment.**

Projects/internships are mandatory for all programmes.

Curriculum Revision Workshops are organized along with peer/social review involving teachers/alumni/parents/professionals/R&D-experts/industry, vetted by Department Council, CSS Academic Committee, and final approval by Academic Council. Transparency, efficiency, and democratic practices are ensured through confidential students' feedback on curriculum, covering content, contemporary relevance, delivery, timely completion, and efficiency, alongside teacher performance/updation, linking up-to-date developments in the teaching-learning process with supportive techno-pedagogic practices Annual academic audit in each department helps in evaluation of academic/research/extension.

The evaluation process consists of Continuous Assessment and End Semester Assessment.

Academic programmes are suitably scaffolded with Placement Cell, Incubation Centre, Finishing School, Career Guidance Bureau, etc.

Curriculum is replete with professional ethics, gender equity, human values, environmental quotient, creativity, innovation, sustainability, complying with ethical guidelines of government agencies.

Gender Audit was carried out in 2017 and 2021.

Enduring concern for **human values** and progressive teachings of renaissance leaders like Mahatma Ayyankali and Sree Narayana Guru are reflected in the curriculum, with anti-dowry and domestic violence awareness campaigns initiated by Centre for Performing and Visual Arts through "Wagon theatre".

254 courses focus on social responsibility and environmental sustainability. Scientific Social Responsibility is adopted alongside distinctive ethical curricula.

Teaching-learning and Evaluation

High demand ratio of 15.52 with an annual intake of over 1100 students, for a vast spectrum of 64 PG programmes with 1580 courses stands testimony to the loftiest priority accorded to

Teaching, Learning and Evaluation (TLE) by University. A variety of PhDs and PDFs, 45 MPhil, 8 PG Diplomas, and 41 Certificate Courses add diversity and depth to the sweep, catering to the higher educational requirements of students from myriad socio-economic/gender contexts. Efficient and transparent centralized admission through national

entrance test, adhering to Reservation Policy ensures social justice and quality, with proud achievements like high ratio of girl students and successful bridging of urban-rural divide. Need based additional seats for defense personnel, transgenders and sports people are in

place.

A dedicated team of highly qualified (85% having PhD), experienced teachers with proven track records put the University on a map of global eminence, testified by a whooping pass of 95.56%. This stellar record is accomplished through innovative pedagogical practices,

technology integrated TLE, timely curriculum and examination reforms, while addressing the needs of both advanced and slow learners. Learning interventions including mandatory mentoring, induction programmes, skill upgradation, field visits, exploratory surveys and

census, post-disaster impact analysis, archaeological excavations, community learning in indigenous knowledge practices, internships, case studies, dissertation, live research projects and remedial teaching ensure academic excellence.

Research, Innovations and Extension

University of Kerala inculcates a culture of research excellence and integrity, promote interdisciplinarity research and innovation, and vibrant extension activities that translate to societal benefit and create knowledge society to help build a sustainable world. This proactive and dynamic stride towards a socially committed research ecosystem has assisted the University to raise handsome funds for research, engage in creative collaboration to bring in innovations, enhance instrumentation facilitates to promote cutting edge research, publish an impressive amount of literature, and extend/share the knowledge to the society. As evinced below, this has brought recognition and success in research portfolio.

- A holistic policy perspective to promote excellence, with a proactive and updated research policy.
- A state-of-the-art Central Laboratory for Instrumentation and Facilitation (CLIF) with highly sophisticated instruments to promote cutting edge research and central computing facility.
- Separate research laboratory for Media Studies, Language Laboratories
- Inter-University Centers in Alternative Economics, Geospatial Information Science & Technology, Genomics & Gene Technology and Malayalam Language.
- One of India's leading Center in Indology, Oriental Research Institute & Manuscripts Library
- Networked and automated Library System with a total holding of over 9.5 lakh print books, with a dedicated Electronic Resource Centre, Smart plagiarism prevention software, and alongside a digital repository of about 3,000 PhD theses
- Over 255 research projects with funding of above 60 Crores
- Over 3,000 papers, 936 books/book chapters, and 8858 citations (inflibnet)
- h-index-33
- Research and academic excellence awards for the faculty
- Collaborations with over 200 premier national and international institutions.
- Ensuring fellowship for all PhD students.
- Over 895 PhDs were awarded under faculty in departments and over 2,000 PhDs to affiliated centers
- Kerala University Business, Innovation and Incubation Centre (KUBIIC), with 83 start-ups; allotment

of Rs 63 lakhs for support for start-ups and patent filing.

- Consultancy cell with a well-defined mechanism for income sharing generated over Rs. 3.98 crores through consultancy projects/services.
- Extension service cut across disciplines reaching neighbourhood communities, with unique programmes and the NSS unit bagging state award.
- Instituted unique awareness programmes such as **'Meet the Scholar'** and '**Travel through Nobel Winners'** with participation of five Nobel Laureates.

Infrastructure and Learning Resources

University has invested substantially on infrastructure to promote academic excellence through sharing of resources with stakeholders.

Massive built-up area of **1,93,000SqM** makes it **one of the largest public Universities in India**.

University has a dual smart campus with 43 teaching and research departments, several specialized research centres and three regional centres, 207 ICT enabled classrooms and at least one seminar hall in each department, five large auditoriums and four open-air auditoriums.

Rs.193.84 crores spent for infrastructure augmentation during the assessment period. Additionally, ongoing KIIFB (Kerala Government) supported infrastructure augmentation projects for Rs 150 crores. Further, eight theatre classrooms and 35 multimedia classrooms are being set-up (Outlay>Rs 9 crores).

Rs 66.47 crores spent during the assessment period for maintenance of academic and physical facilities.

A vast spectrum of highly sophisticated equipment (FESEM, NMR, XPS, ICP-MS, SEM, AFM, XRD, XRF, Micro-Raman, Gene-Sequencer, VSM, etc.) is available in laboratories in Departments and CLIF, lending support to cutting-edge research in and outside University.

Central Library houses a huge repository of 9,55,731 print books, 750 Print journals, 17747 E-journals (subscribed), 5500 E-books, over 3000 rare books, also 20,000 e-journals and 6 other databases of **UGC E-Shodh Sindhu Consortium.** University spent Rs.22.31 crores for library resources and added 77211 books during the assessment period.

Oriental Research Institute and Manuscript Library has a rare palmyra collection and 65000 ancient manuscripts.

University has over 3000 computers of which 1474 are solely for students' use (student-computer ratio-2:1).

ICT enabled physical facilities including **state-of-the-art computer laboratories** and **GIS laboratory**. IT Policy and backup policies are adopted. Complete automation and seamless functioning of academic/administration/examination/admission are overseen by Computer Centre, housing a vibrant tier-three AI-based Data Centre.

DDFS and Student Life Cycle Management System are also in place. 24/7 WiFi campuses with OFC Backbone network (10GBPS) and more than 1 GBPS Internet connectivity.

Efficient transport system, state-of-the-art sports facilities, robust energy and water management systems, divyaangjan and gender-sensitive ecosystem, entrepreneurial orientation and startup culture, adequate residential facilities for students and teachers, multi-cuisine canteens, holistic healthcare, vigilant security systems make the campus well-rounded.

Student Support and Progression

University has the unique distinction of creating an optimum student-friendly atmosphere on campus: fellowships to all PhD/PDF students, scholarships and freeships to majority of PG students, higher rate of employment, transparent and efficient grievance redressal mechanism, due student's representation in academic bodies, vibrant alumni associations and wide avenues for co-curricular activities.

A **whopping 76%** of students benefited by scholarships and free-ships.

An **impressive 91.19 %** of students benefited by career counseling and guidance for competitive examinations.

University organized wide array of programmes for capacity development and skill enhancement in:

·   Soft skills

·   Language and communication skills

·   Life skills (Yoga, physical fitness, health and hygiene)

·   Awareness of trends in technology

UGC Online Redressal Portal, BASG, Internal Complaints Cell, SC/ST Complaint Cell and Anti-Ragging Committee/Squad functioned efficiently in the University, resolving majority of complaints through online and offline mode.

An impressive 25.17% of students qualified in various state/national examinations including Civil Services/IES/Combined Defense Service/Kerala Administrative Services, bringing many laurels to the University.

A commendable 97.24% student's progressed to higher education while 40.07% of the outgoing students found placement.

A total of 616 students won awards/medals for outstanding performance in sports/cultural activities at inter-university/state/national/international events.

University organized a substantial 616 sports and cultural events/competitions.

University has a dynamic apex Alumni Association (University of Kerala Alumni Association-UKAA) with a galaxy of luminaries, with 44 affiliating Associations for respective Departments engaging in diverse areas of activities like academic collaboration, mentoring, instituting endowments and scholarships, and providing financial support for developmental needs. Total Alumni contribution for five years is over Rs. 101.88 lakhs.

A participative democratic academic ambience is ensured through students' representation in many statutory/non-statutory bodes including Syndicate, Senate, Academic Council, IQAC, ICC, CSS Grievance Committee, Hostel Monitoring Committee, Hostels' Committee and Canteen Advisory Committee.

Two vibrant campus Student's Councils- Kerala University Departments Union, and Kerala University Researcher's Union- provide platforms for academic/artistic/sports endeavors, career guidance, skill-upgradation and cultural expressions.

University has an elected Students' Council called Kerala University Union with annual budget allocation for organizing the University Youth Festival and other arts and cultural events.

Governance, Leadership and Management

Since its establishment in 1937, University follows its noble visionas inscribed in the logo, *"KarmaniVyajyatePrajna"*, meaning 'Knowledge reveals itself through Supreme Action'.

University has His Excellency Governor of Kerala as Chancellor, Hon'ble Higher Education Minister as Pro-Chancellor, and a proactive teamunder the leadership of Vice-Chancellor, complying with the Acts, Statutes, Ordinances and Regulations.

Through carefully crafted curriculum, and continually updated academic/administrative practices, University moulds students into enlightened global citizens, who combine sensitivity with empathy and conviction to intervene in social issues.Cutting-edge research with an equal emphasis and interdisciplinary thrust in Sciences, Social Sciences, Arts, and Culture, blending innovation with technology.

Diversity, inclusivity, and student participation is ensured in Senate, Syndicate, Academic Council, IQAC, and other committees.

Academic autonomy is ensured in all 43 Teaching Departments functioning under 11 Schools with 16 Faculties, through a decentralized three-tier system.

A host of innovative and futuristic academic programmes is the hallmark of a vibrant CSS, with confidentialstudent feedback, online single window admissions, LOCF, andLMS, with adequateteacher-training and support, wide choice of Discipline-specific Electives and Generic Courses for multidisciplinary learning.

Apart from Acts, Statutes, Ordinances and Regulations,University' policies on Research/Consultancy/Gender/Innovation and Student Start-up along with Green Charter guides allacademic/administrative activities.

Apart from UGC/Government funding (Non-Plan-Rs.1764 Crores, and Plan-Rs.73.81Crores), University mobilizes revenue through:

- Rs.150 Crores from KIIFB (Kerala Government)
- Rs.20 Crores from RUSA
- Rs.45.66 Crores-Research projects
- Rs.600.58 Crores-Internal revenue
- Rs.246.7 Lakhs- Industrial Support

- Rs.2.54 Crores-Infrastructural Rent Revenue
- Rs.3.83 Crores- Consultancy
- Rs.1.38 Crores- Publications

Effective three-tier audit system isin place.

85 new teachers (regular), 98 Ad-hoc Teachers, and994 non-teaching staffs (regular) were appointed.

IQAC is integral to University's culture of quality through a tireless process of continuous monitoring and improvement. IQAC initiatives include:

- Three-tier Student-Centric Induction Programme
- Interaction with eminent scholars
- 'Travel through Nobel Winners'
- 'Meet the Scholar'
- Business Incubation and start-ups
- Workshops and trainings
- Patent filing
- Academic Audit

Strategic planning and its systematicimplementationtakes the University to new heights of excellence as evinced by higher international/national rankings.

Institutional Values and Best Practices

University embraces the dharma of enlightening the entire society by instilling values of compassion, empathy, justice, and inclusivity into its academic fabric. University's Vision and Mission are designed to foster knowledge generation, dissemination, research, and extension for global eminence and social transformation.

The two best practices adopted by the University are:

1. **Promoting Research through Qualitative Assessment of Research Outcomes**

University consolidates its historical legacy of academic excellence, combining global eminence with local relevance. It promotes the most innovative multidisciplinary research initiatives and cutting-edge scientific research, with a thrust on Start-up ecosystem, emphasizing biodiversity, and ethnic knowledges. It also pioneers research programmes in addressing the region's socio-economic imbalances.

University has adopted sound practices of measuring applications with outcomes mapped in areas such as health, ethnomedicinal plants, environment, renewable energy, industrial, security systems, socio-economic development, education and biotechnology

1. **Environmentally Sustainable Responsible Green Campus**

University strives for contributions to environment and biodiversity conservation, food security through Harithalayam project, medicinal/vegetable seedbank, practices green pedagogy.

'Quality Education with Compassion for Social Transformation' is the driving motto that crafts the University's institutional distinctiveness.

A diverse ecosystem ensuring inclusivity and access with adherence to State reservation policy, a moral and ethical commitment to uplifting social sections marginalized by class/caste/religion/gender/sexuality/creed/region/disability/digital divide drives all academic endeavours including Social Transformation Interventions, Research ,Kerala-Specific Studies, Art and Culture, National Integration, Human Values, Inclusive Decentralized Services, Socio-Economic audits ,Academic Audit ,Open House, Shaastrayaan etc.

Other factors of unique distinctiveness are:

- Phenomenal gender indices evidenced by Gender Audit
- Minimal carbon footprint (bicycles/battery cars etc)
- Paper less governance through DDFS and digital automation
- Promotion of alternative energy and energy conservation measures.
- Green Charter
- sustainable waste management mechanisms
- Periodic Energy, Environment and Green audits
- Divyaanjgan friendly campus
- Multi-ethnic/ cultural celebrations
- Citizen sensitization for national integration

Unrivalled repertoire of academic and extension activities imbued with the highest human values makes the University leader in the new knowledge economy.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the University	
Name	UNIVERSITY OF KERALA
Address	University of Kerala, Senate House Campus, Palayam, Thiruvananthapuram, Kerala, India
City	Thiruvananthapuram
State	Kerala
Pin	695034
Website	www.keralauniversity.ac.in

Contacts for Communication					
Designation	**Name**	**Telephone with STD Code**	**Mobile**	**Fax**	**Email**
Vice Chancellor	V. P Mahadevan Pillai	0471-2306634	9400946909	0471-2302898	vc@keralauniversity.ac.in
IQAC / CIQA coordinator	Dr. Gabriel Simon Thattil	0471-2303013	9496275305	0471-2307158	team.iqac@gmail.com

Nature of University	
Nature of University	State University

Type of University	
Type of University	Affiliating

Establishment Details	
Establishment Date of the University	01-11-1937
Status Prior to Establishment,If applicable	

Recognition Details		
Date of Recognition as a University by UGC or Any Other National Agency :		
Under Section	**Date**	**View Document**
2f of UGC	05-11-1956	View Document
12B of UGC	05-11-1956	View Document

University with Potential for Excellence	
Is the University Recognised as a University with Potential for Excellence (UPE) by the UGC?	No

Location, Area and Activity of Campus

Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.	Programmes Offered	Date of Establishment	Date of Recognition by UGC/MHRD
Main campus	University of Kerala, Senate House Campus, Palayam, Thiruvananthapuram, Kerala, India	Urban	16.689	37505	University Library, Department of Library and Information Science, Department of Music, Department of Education, Department of Physical Education, Students Service, Observatory, Marine Museum etc		
Institutes	*University Of Kerala Senate House Campus Palayam Thiruvananthapuram, Kerala - 695034*	*Urban*	*18.4774*	*24353*	*University Library, Department of Library and Information Science, Department of Music, Department of*	*01-01-1970*	*01-01-1970*

					Education, Department of Physical Education, Students Service, Observatory, Marine Museum etc		
PG centre	*University Of Kerala Kariavattom Campus Thiruvananthapuram Kerala -695581*	*Urban*	*363.1269*	*129607*	*All other Teaching Departments and Centres at Kariavattom campus (South and North Campus)*	*01-01-1970*	*01-01-1970*
Regional Centres	*Kerala University Study And Research Centre, University Of Kerala Sh - 40, Kalarcode, Alappuzha 688003*	*Semi-urban*	*1.23*	*1535*	*Kerala University Study And Research Centre, Alapuzha, DOIC Pandalam, Proposed UIT sites at Ezhamkulam and Sasthamcotta*	*01-01-1970*	*01-01-1970*

2.2 ACADEMIC INFORMATION

Affiliated Institutions to the University

Type of Colleges	Permanent	Temporary	Total
Fine Arts/Performance Arts/Visual Arts/Applied Arts	3	0	3
Law	7	0	7
Education/Teachers Training	46	0	46
Engineering/Technology/Architecture/Design	1	0	1
General	113	0	113
Hotel Management/Hospitality/Tourism/Travel	3	0	3
Business Administration/Commerce/Management/Finance	9	0	9
Universal/Common to All Disciplines	2	0	2
Professional	4	0	4

Furnish the Details of Colleges of University

Type Of Colleges	Numbers
Constituent Colleges	0
Affiliated Colleges	188
Colleges Under 2(f)	3
Colleges Under 2(f) and 12B	59
NAAC Accredited Colleges	56
Colleges with Potential for Excellence(UGC)	7
Autonomous Colleges	2
Colleges with Postgraduate Departments	123
Colleges with Research Departments	34
University Recognized Research Institutes/Centers	109

Is the University Offering any Programmes Recognised by any Statutory Regulatory Authority (SRA)	: Yes

SRA program	Document
AICTE	[104409_6630_1_1629190055.pdf](#)
AICTE	[104409_6630_1_1629190055.pdf](#)
NCTE	[104409_3878_4_1583579472.pdf](#)
DEB-UGC	[104409_3878_21_1584089414.pdf](#)

Details Of Teaching & Non-Teaching Staff Of University

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned				36				57				205
Recruited	8	5	0	13	11	11	0	22	105	61	0	166
Yet to Recruit				23				35				39
On Contract	0	0	0	0	0	0	0	0	22	55	0	77

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned				2235
Recruited	497	929	0	1426
Yet to Recruit				809
On Contract	72	102	0	174

Technical Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned				54
Recruited	3	9	0	12
Yet to Recruit				42
On Contract	20	25	0	45

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualificatio n	**Professor**			**Associate Professor**			**Assistant Professor**			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD	1	0	0	0	0	0	0	0	0	1
Ph.D.	39	18	0	14	14	0	66	37	0	188
M.Phil.	0	0	0	0	0	0	5	1	0	6
PG	0	0	0	0	0	0	7	4	0	11

Temporary Teachers										
Highest Qualificatio n	**Professor**			**Associate Professor**			**Assistant Professor**			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	20	32	0	52
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	9	16	0	25

Part Time Teachers									
Highest Qualificatio n	Professor			Associate Professor			Assistant Professor		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	20	5	0	25
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	6	1	0	7

Distinguished Academicians Appointed As

	Male	Female	Others	Total
Emeritus Professor	4	3	0	7
Adjunct Professor	2	0	0	2
Visiting Professor	17	0	0	17

Chairs Instituted by the University

Sl.No	Name of the Department	Name of the Chair	Name of the Sponsor Organisation/Agency
1	Political Science	V. K. Krishna Menon Study Centre for International Relations	University of Kerala
2	Political Science	V. K. Sukumaran Nayar Chair for Parliamentary Affairs	University of Kerala
3	Law	Dr. B. R. Ambedkar Chair	University of Kerala
4	History	Mahatma Ayyankali Chair	University of Kerala

Provide the Following Details of Students Enrolled in the University During the Current Academic Year

Programme		From the State Where University is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	0	0	0	0	0
	Female	0	0	0	0	0
	Others	0	0	0	0	0
PG	Male	453	3	0	5	461
	Female	1554	20	0	6	1580
	Others	0	0	0	0	0
PG Diploma recognised by statutory authority including university	Male	5	0	0	0	5
	Female	51	0	0	0	51
	Others	0	0	0	0	0
Doctoral (Ph.D)	Male	262	2	2	9	275
	Female	573	6	2	7	588
	Others	0	0	0	0	0
Diploma	Male	0	0	0	0	0
	Female	0	0	0	0	0
	Others	0	0	0	0	0
Post Doctoral (D.Sc , D.Litt , LLD)	Male	0	0	0	0	0
	Female	0	0	0	0	0
	Others	0	0	0	0	0
Certificate / Awareness	Male	0	0	0	0	0
	Female	0	0	0	0	0
	Others	0	0	0	0	0
Pre Doctoral (M.Phil)	Male	61	0	0	0	61
	Female	216	4	0	0	220
	Others	0	0	0	0	0

Does the University offer any Integrated Programmes?	No

Details of UGC Human Resource Development Centre, If applicable

Year of Establishment	22-07-1987
Number of UGC Orientation Programmes	22
Number of UGC Refresher Course	67
Number of University's own Programmes	5
Total Number of Programmes Conducted (last five years)	143

Accreditation Details

Cycle Info	Accreditation	Grade	CGPA	Upload Peer Team Report
Cycle 1	Accreditation	B++	81.5	NAAC-Certificate-B++ Grade.pdf
Cycle 2	Accreditation	A	3.03	NAAC_certificate_A_grade.pdf

2.3 EVALUATIVE REPORT OF THE DEPARTMENTS

Department Name	Upload Report
Department Of Aquatic Biology And Fisheries University Of Kerala	[View Document](#)
Department Of Arabic University Of Kerala	[View Document](#)
Department Of Archaeology University Of Kerala	[View Document](#)
Department Of Biochemistry University Of Kerala	[View Document](#)
Department Of Biotechnology University Of Kerala	[View Document](#)
Department Of Botany University Of Kerala	[View Document](#)
Department Of Chemistry University Of Kerala	[View Document](#)
Department Of Commerce University Of Kerala	[View Document](#)
Department Of Communication And Journalism University Of Kerala	[View Document](#)
Department Of Computational Biology And Bioinformatics University Of Kerala	[View Document](#)
Department Of Computer Science University Of Kerala	[View Document](#)
Department Of Demography University Of Kerala	[View Document](#)
Department Of Economics University Of Kerala	[View Document](#)
Department Of Education University Of Kerala	[View Document](#)
Department Of Environmental Sciences University Of Kerala	[View Document](#)
Department Of Futures Studies University Of Kerala	[View Document](#)
Department Of Geology University Of Kerala	[View Document](#)
Department Of German University Of Kerala	[View Document](#)
Department Of Hindi University Of Kerala	[View Document](#)
Department Of History University Of Kerala	[View Document](#)
Department Of Islamic Studies University Of Kerala	[View Document](#)
Department Of Kerala Studies University Of Kerala	[View Document](#)
Department Of Law University Of Kerala	[View Document](#)
Department Of Library And Information Science	[View Document](#)

University Of Kerala	
Department Of Linguistics University Of Kerala	[View Document](#)
Department Of Malayalam University Of Kerala	[View Document](#)
Department Of Mathematics University Of Kerala	[View Document](#)
Department Of Music University Of Kerala	[View Document](#)
Department Of Nano Science And Technology University Of Kerala	[View Document](#)
Department Of Optoelectronics University Of Kerala	[View Document](#)
Department Of Philosophy University Of Kerala	[View Document](#)
Department Of Physics University Of Kerala	[View Document](#)
Department Of Political Science University Of Kerala	[View Document](#)
Department Of Psychology University Of Kerala	[View Document](#)
Department Of Russian University Of Kerala	[View Document](#)
Department Of Sanskrit University Of Kerala	[View Document](#)
Department Of Sociology University Of Kerala	[View Document](#)
Department Of Statistics University Of Kerala	[View Document](#)
Department Of Tamil University Of Kerala	[View Document](#)
Department Of Zoology University Of Kerala	[View Document](#)
Institute Of English University Of Kerala	[View Document](#)
Institute Of Management In Kerala University Of Kerala	[View Document](#)
Inter University Centre For Genomics And Gene Technology	[View Document](#)
Inter University Centre For Geo Information Science And Technology	[View Document](#)
Oriental Research Institute And Manuscript Library University Of Kerala	[View Document](#)
School Of Distance Education	[View Document](#)

Extended Profile

1 Program

1.1

Number of programs offered year-wise for last five years

2020-21	2019-20	2018-19	2017-18	2016-17
64	57	49	48	47

File Description	Document
Institutional data in prescribed format	View Document

1.2

Number of departments offering academic programmes

Response: 43

2 Students

2.1

Number of students year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
2097	1771	1442	1322	1461

File Description	Document
Institutional data in prescribed format	View Document

2.2

Number of outgoing / final year students year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
941	775	665	673	717

File Description	Document
Institutional data in prescribed format	View Document

2.3

Number of students appeared in the University examination year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
2058	1730	1416	1284	1390
File Description			Document	
Institutional data in prescribed format			[View Document]()	

2.4

Number of revaluation applications year-wise during the last 5 years

2020-21	2019-20	2018-19	2017-18	2016-17
3	0	1	0	0

3 Teachers

3.1

Number of courses in all programs year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
1492	1339	1220	1213	1151
File Description			Document	
Institutional data in prescribed format			[View Document]()	

3.2

Number of full time teachers year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
284	272	236	239	232
File Description			Document	
Institutional data in prescribed format			[View Document]()	

3.3

Number of sanctioned posts year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
298	298	298	291	291

File Description	Document
Institutional data in prescribed format	[View Document]

4 Institution

4.1

Number of eligible applications received for admissions to all the programs year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
26502	18977	13077	9056	7871

File Description	Document
Institutional data in prescribed format	[View Document]

4.2

Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
594	520	445	408	408

File Description	Document
Institutional data in prescribed format	[View Document]

4.3

Total number of classrooms and seminar halls

Response: 207

4.4

Total number of computers in the campus for academic purpose

Response: 1474

4.5

Total Expenditure excluding salary year-wise during last five years (INR in Lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
9730.57	7519.55	9686.72	9391.34	9033.44

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curriculum Design and Development

1.1.1 Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which is reflected in Programme outcomes (POs), Programme Specific Outcomes(PSOs) and Course Outcomes(COs) of the Programmes offered by the Institution.

Response:

Academic programmes under Credit and Semester System (CSS), PhD, and PDF, are in tune with local/ national/ regional/global developmental goals. 43 Teaching&Research Departments alongside School of Distance Education, and 9 innovative Departments in the offing, apart from 3 Regional Study Centres, offer 60 PG (LOCF) (8 more added in 2021), 4 Postgraduate Diploma (LOCF), and 46 MPhil programmes, in addition to PhD and PDFs.

Semester-India Programme with Credit Transfer facility, international collaborations, and cultural exchange programmes with foreign universities help align local perspectives with global needs.

Paradigm shift to LOCF resulted in Empowerment-oriented approach to learning, through the formulation of unique Programme Outcomes (POs), Programme Specific Outcomes (PSOs), and Course Outcomes (COs) of contemporary relevance. Multi-disciplinary approach in curricular transactions engendered unique Basket of Credits (219 courses).

A laudable 100% curricular revision with POs/PSOs/COs reflecting national/global shift to knowledge economy, with a committed focus on local/regional needs, was implemented in the last five years, with introduction of 17 new programmes and 683 new courses. 100% Programmes are in CSS which ensures multi-disciplinarity and flexibility in adapting to local/global needs as evinced by a whopping 254 courses focusing on social responsibility and environmental sustainability.

Projects/internships are mandatory, where teachers guide students to take up research on issues related to local/global requirements.

POs are committed to moulding students into:

- **Critical thinkers**

- **Efficient communicators**

- **Resilient leaders**

- **Receptive and adaptive scholars**

- **Life-long learners**

- **Global professionals**

- Ethical and socially responsible citizens.

55% of courses focus on employability/entrepreneurship/skill development as is reflected in PSOs/COs.

Curriculum Revision Workshops are organized along with peer/ social review involving teachers/alumni/ parents/professionals/R&D-experts/industry, vetted by Department Council, CSS Academic Committee, and approved by Academic Council. Confidential students' feedback on curriculum ensures transparency, efficiency, and democratic practices, alongside contemporary relevance, timely completion, and efficiency. Critical feedback from students also ensures quality teacher performance/updation, linking up-to-date developments in the teaching-learning process with supportive techno-pedagogic practices.

Annual academic audits help departments in critically estimating their course content, delivery and evaluation, infrastructure, academic-industry interactions, employability, extension activities, students' services, technology transfer, patents, and research publications. Action plans are charted in the Department Council taking into consideration such audits while mapping them on to local/national/regional/global imperatives.

The evaluation process consists of Continuous Assessment and End Semester Assessment, the former integrating components for assignments, seminars, projects, case studies, mini projects, addressing local/global concerns, and the latter incorporating questions based on PSOs and COs.

Academic programmes are suitably scaffolded with Placement Cell, Incubation Centre, Finishing School, Career Guidance Bureau, etc. which considers skill-based inputs under PSOs/COs, enhancing employability prospects.

Curriculum is replete with professional ethics, gender equity, human values, environmental quotient, creativity, innovation, sustainability, complying with ethical guidelines of government agencies.

University's adoption of Scientific Social Responsibility, alongside its distinctive ethical curricula, that looks forward to global requirements while rooted in the local, bear testimony to the seminal role University can play in an emerging global knowledge economy.

File Description	Document
Upload Additional information	[View Document](#)
Link for Additional information	[View Document](#)

1.1.2 Percentage of Programmes where syllabus revision was carried out during the last five years.

Response: 100

1.1.2.1 **How many Programmes were revised out of total number of Programmes offered during the last five years**

Response: 64

1.1.2.2 **Number of all Programmes offered by the institution during the last five years.**

Response: 64

File Description	Document
Minutes of relevant Academic Council/BOS meeting	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Details of Programme syllabus revision in last 5 years	[View Document](#)
Any additional information	[View Document](#)
Link for additional information	[View Document](#)

1.1.3 Average percentage of courses having focus on employability/ entrepreneurship/ skill development offered by the institution during the last five years

Response: 54.83

1.1.3.1 Number of courses having focus on employability/ entrepreneurship/ skill development year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
757	719	702	687	639

File Description	Document
Programme/ Curriculum/ Syllabus of the courses	[View Document](#)
MoU's with relevant organizations for these courses, if any	[View Document](#)
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)

1.2 Academic Flexibility

1.2.1 Percentage of new courses introduced of the total number of courses across all programs offered during the last five years.

Response: 46.38

1.2.1.1 **How many new courses were introduced within the last five years.**

Response: 692

1.2.1.2 **Number of courses offered by the institution across all programmes during the last five years.**

Response: 1492

File Description	Document
Minutes of relevant Academic Council/BOS meeting	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document

1.2.2 Percentage of Programmes in which Choice Based Credit System (CBCS) / elective course system has been implemented (Data for the latest completed academic year).

Response: 100

1.2.2.1 **Number of Programmes in which CBCS / Elective course system implemented.**

Response: 64

File Description	Document
Minutes of relevant Academic Council/BOS meetings	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document

1.3 Curriculum Enrichment

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics ,Gender, Human Values ,Environment and Sustainability into the Curriculum

Response:

Contemporary curriculum with holistic content provides a bridge between education and professionalism, connecting students to the outside world with ease. **Professional Ethics, Gender Equity, Human Values, Environmental Quotient, Creativity, Innovation, and Sustainability** are integrated in the curriculum, in tune with University's vision and mission. Students choose a wide range of **value-added** coursesfrom a basket of electives.

Professional ethics are integral to POs and PSOs, with ethical concerns woven into them. Plagiarism checking is insisted for PG dissertations, while it's mandatory for M.Phil./Ph.D. theses. Ph.D. course work includes 'Research and Publication Ethics'. M.Com and MBA programmes cover professional ethics as specified by ICAI/ICSI. MA programmes comply with the ethical standards of NITI-Aayog/Planning Board/SEBI/RBI. M.Sc. programmes integrate ethical concerns on health, experimental procedures, sustainable development/environment/animal welfare, specified by NDMA/BIS/WHO/UNO. Ethics committees oversee animal/human research. MTech/M.Ed. Programmes comply with ethical norms of AICTE/NCTE. LLM/PG Diploma in Human Rights follow IBC specified professional ethics.

Courses realigned according to **Gender** Audit (2017 and 2021). 77% of postgraduates, 78% of M.Phil students and 64% of research scholars are women, indicating commendable achievements in Goal No. 5 (UN-SDGs). Over 120 courses dealing with gender .issues/empowerment/sensitization/entrepreneurship/welfare measures/laws are included in the curricula.

Rich array of dissertations on gender issues across disciplines (Link). During 2020, 64% of Ph.D. awardees were women.

University provides:

? 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 programmes address issues of deprivation (poverty/hunger/malnutrition/ill-health), marginalization, environmental protection, balanced regional development, equity, access and inclusivity. (Link). Projects on human care initiatives:

- Digital gardening
- Literacy promotion
- Palliative care

Centre for Adult and Continuing Education and Extension and Jan Shikshan Sansthan offer add-on courses on human values. CACEE offers two diploma programmes in Magic jointly with MuthukadMagic Academy, nurturing human values.

Centre for Vedanta Studies, Centre for Christian Studies, International Centre for Sree Narayana Guru Studies offer interventional support on Human values.

Phenomenal success of "Wagon theatre" performance as part of curricular activities of Centre for Performing and Visual Arts in:

? Spreading humane values of renaissance leaders, Sree Narayana Guru and Mahatma Ayyankali
? Anti-dowry and Domestic violence awareness campaign

Extension activities/field practicum/social sensitization programmes/camps/surveys for sensitizing students to issues on human values. Sensitization through projects/research publications on COVID-19 and natural calamities.

- *Sthree Natakakkalari* (Women's Experimental Theatre) jointly with State Ministry of Culture espouses heightened gender consciousness and empowerment.

Environment and Sustainability concerns are enshrined in around 200 courses, alongside two PG

Programmes- 'Environmental Sciences', and 'Climate Change and Disaster Management'. Curriculum praxes include Groundwater conservation, reviving/recharging wells and ponds.

University has adopted the policy on Scientific Social Responsibility of DST.

Introduced environment related new PG programmes- Chemistry (Renewable Energy), Biodiversity Conservation, Physics (Renewable Energy), and Aquaculture.

Cross-cutting issues of contemporary relevance contribute to the crafting of unique ethical syllabi.

File Description	Document
Upload the list and description of the courses which address the Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum	[View Document](#)
Any additional information	[View Document](#)

1.3.2 Number of value-added courses for imparting transferable and life skills offered during last five years.

Response: 187

1.3.2.1 **How many new value-added courses are added within the last five years.**

Response: 187

File Description	Document
Institutional data in prescribed format	[View Document](#)
Brochure or any other document relating to value added courses	[View Document](#)
Any additional information	[View Document](#)

1.3.3 Average Percentage of students enrolled in the courses under 1.3.2 above.

Response: 50.32

1.3.3.1 **Number of students enrolled in value-added courses imparting transferable and life skills offered year-wise during the last five years.**

2020-21	2019-20	2018-19	2017-18	2016-17
582	850	796	880	790

1.3.4 Percentage of students undertaking field projects / research projects / internships (Data for the latest completed academic year).

Response: 64.9

1.3.4.1 **Number of students undertaking field projects or research projects or internships.**

Response: 1361

File Description	Document
List of Programmes and number of students undertaking field projects research projects/ / internships (Data Template)	[View Document](#)
Any additional information	[View Document](#)
Link for additional information	[View Document](#)

1.4 Feedback System

1.4.1 Structured feedback for design and review of syllabus – semester-wise / year-wise is received from 1) Students, 2) Teachers, 3) Employers, 4) Alumni

Response: A. All 4 of the above

File Description	Document
URL for stakeholder feedback report	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)
Action taken report of the University on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	[View Document](#)

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

Response: A. Feedback collected, analysed and action taken and feedback available on website

File Description	Document
URL for feedback report	[View Document](#)
Upload any additional information	[View Document](#)
Institutional data in prescribed format	[View Document](#)

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Demand Ratio (Average of last five years)

Response: 15.19

2.1.1.1 **Number of seats available year wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
1189	1040	890	817	817

File Description	Document
Demand Ratio (Average of Last five years) based on Data Template upload the document	[View Document](#)
• Any additional information	[View Document](#)

2.1.2 Average percentage of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per applicable reservation policy during the last five years (Excluding Supernumerary Seats)

Response: 80.87

2.1.2.1 **Number of actual students admitted from the reserved categories year wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
519	431	372	295	319

File Description	Document
Average percentage of seats filled against seats reserved (Data Template)	[View Document](#)
Any additional information	[View Document](#)

2.2 Catering to Student Diversity

2.2.1 The institution assesses the learning levels of the students and organises special Programmes for advanced learners and slow learners

Response:

Understanding and identifying the needs of learners, and organizing creative and remedial interventions for both advanced and slow learners has been the continual practice of the University. University identifies learning levels of the students alongside a mentoring process with a ratio of **7:1**. Activities are calibrated, planned and implemented for achieving maximum learning output. Equal Opportunity Cell[1]ensures that the needs of students from marginalized groups are met. Students' Council works to support students' needs, problems and challenges. A three-level induction programme[2], at the University, school and department is conducted for all students immediately after their enrolment. This acclimatizes the student with the institutional climate, curricular transactions, research and extension activities of the University and departments. Through this the students are fully inculcated into the university system, with a thorough knowledge of interdisciplinarity, and a deeper understanding of their curricular goals and levels. Mentoring is a mandatory practice in the University. It ensures academic, social and emotional integration of the students with the University system. M.Phil. and Ph.D. scholars too are involved in the mentoring process. Slow learners are ensured peer tutoring and individual assistance, with bridge courses and remedial coaching. Mentoring by alumni is also facilitated. University strives to ensure social justice by offering academic, infrastructural and emotional support to students from marginalized sections (rural, tribal, linguistic minorities) transgender communities, differently abled and socially backward sections. In addition, the curriculum is designed to create awareness about such issues. University provides language training for non-English speaking foreign students. Collaboration with the Model Finishing School, Kerala Government gives additional support to students. Programmes for student enrichment and upgradation of skills are regularly organized. 'Interaction with Eminent Scholars', 'Meet the Scholar', and 'Travel through Nobel Winners'[3] are unique programmes of the University that open up novel opportunities linking regional learners with global eminence. Best academic practices like publication of papers, attending knowledge enhancement workshops, associating with research projects, industry/laboratory visits, internships and field trips to enhance student exposure and gather practical knowledge by all categories of students.

Advanced learners are encouraged to achieve new levels of excellence by providing opportunities to carry out cutting edge research and publication. Slow learners are given extra support to achieve the same. In collaboration with ASAP[4] and K-DISC[5], and by utilizing University Finishing School[6], the University imparts training in skill acquisition and enhancement, life skills like communication skills, interpersonal skills, and emotional skills. Technological integration with the motto 'any time anywhere learning', alongside digital platforms like MOOC, LMS[7] and KU Padasala[8] enhances accessibility, equality and equity.

University bridges the digital divide in learning of SC/ST students by providing laptops and remedial coaching with government support. In addition, the University also provides smart phones to the needy. For the all-round development of students cultural celebrations and festivals, science day celebrations, arts day, exhibitions, management fests, open school, science fests, education fests etc. are regularly organized.

File Description	Document
Upload Any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

2.2.2 Student - Full time teacher ratio (Data for the latest completed academic year)

Response: 7:1

File Description	Document
Any additional information	<u>View Document</u>

2.3 Teaching- Learning Process

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

Response:

University has adopted LOCF[1,] in 2020, envisaging student centric pedagogic practices with enhanced applicability and utility. PSOs and COs were carefully identified for each programme with focus on experimental learning and linking outcomes to societal needs. Continuous Assessment practices focus on real life issues. Pedagogical practices like experiential learning, participative learning and problem solving methodologies are being implemented. All the possibilities of digital pedagogy are utilised for the same. Teachers are given state of the art training for achieving global competencies. Experiential learning methods like case studies, individual and group projects, laboratory experiments, field studies, exploratory surveys and census, post-disaster impact analysis, archaeological excavations, music therapy, community engaged learning, extension activities, colloquium, ethnographic studies and problem based learning are salient features of curricular transactions. Active Learning Methods like seminars, assignments, discussions, and interactive sessions are used with emphasis on both theory and praxis. Collaborative learning strategies like role plays, brainstorming, virtual classrooms, flipped classrooms, exhibitions and institutional visits, are encouraged. Peer- feedback is a regular feature in improving learning processes. Discipline specific research methodology courses are common. A digital repository of trees[2]with QR codes in the campuses of the university, Raj Bhavan and selected government offices have been created with active student participation.

As part of participative learning, students are encouraged to involve in peer tutoring. Students are attached to reputed industries/research institutes as part of academic programmes to have hands on learning experiences. Students are encouraged to seek indigenous knowledge, linguistic and cultural systems via interaction with local communities. University nurtures ethical learning practices like visits to tribal hamlets and vulnerable ecosystems in the Western Ghats region which is a UN listed ecologically sensitive hotspot. University's proximity to both R&D institutions of eminence enhances experiential, participative and collaborative learning through field visits and invited interactive sessions. Academic exchange with technocrats, industrialists and entrepreneurs from Technopark, Technocity and KINFRA ensures the nurturing of entrepreneurial skills among students. Self-reflection and reflective journal writing are practiced Experiential learning and Problem solving skills are ensured through multifarious learning activities including practicums. During the pandemic students prepared sanitisers and designed dispensers which were made available to the University and neighbouring community. University being situated in the land of Ayurveda, is committed to the cause of nurturing and preserving medicinal plants and promoting research based on endemic biodiversity. Tulaseevanam[3], a medicinal garden is maintained by the university as part of an attempt ex situ conservation of endangered and indigenous herbs, and to facilitate bio-learning. To enlighten students about the agrarian crisis, the Harithalayam[4] project was initiated by

the University. With a deep-seated commitment to the spiritual bond between earth and water, the University strives to conserve soil and water. Students are trained to practice rainwater harvesting and artificial recharge to ground water. In a drive towards self-sufficiency the university constructed two large wells, and renovated three wells and one pond.

File Description	Document
Upload any additional information	View Document
Link for Additional Information	View Document

2.3.2 Teachers use ICT enabled tools including online resources for effective teaching and learning process.

Response:

University is IT enabled and digitally connected, with an Artificial Intelligence based Tier-3 Data Centre. University has developed its own interfaces, tailor made for its specific needs based on open source platforms, such as LMS[1] (Moodle based), UoK Meet[2](Jitsi based, for online meetings and classes, Koha based Uni@Home[3] for integrated libraries, KU Padasala[4] (YouTube based video archive), Safe Exam Browser (for secure online examinations and assessment), Acharya App (mobile app for consolidating teachers' contributions), and Virtual School (for online courses). Teachers make use of these ICT facilities and other external online resources such as e-journals, e-books, online lectures, e-database etc.

University has a Manuscript Library (ORI) which has Asia's largest collection of manuscripts and rare documents, which are currently being digitized. University has a Networked Library System with a total holding of 955,731 print books (unique titles 716967), a huge repository of print, digital and e-resources. The network comprises of the Central Library, Campus Library, libraries in departments, and regional study centres. University subscribes to 750 Print journals, 17747 E-journals and 3500-E-books, and has a collection of over 3000 rare and old books and documents. E-journals include Science Direct, Sci-Finder, Wiley, RSC, IEEE, JSTOR, IOP, ACS, indianjournals.com and J-Gate. LIDAS - a digital archival system - provides access to more than 10 lakh full text searchable digital pages of rare books.

Another 10 lakh documents are available at the Kerala University Knowledge Repository, alongside a digital repository of 2960 PhD theses. Kerala University Library Electronic Resource Centre provides access to more than 20,000 e-journals and 6 other databases through UGC E-ShodhSindhu programme, along with Cambridge UP and Oxford UP resources. VPN based Uni@Home facility provides access to digital resources remotely. Digital resources of libraries, parallel High Performing Computers and Graphical Processing Unit can be accessed on the go. A multi-campus multi-library management system is in place[5].

University has set up its own LMS to manage online OBE courses, for assignments, seminars, quizzes, attendance, discussion forums, flip classrooms, online examinations,
provide access to recorded classes. Over 340 courses are available (https://lms.keralauniversity.ac.in/).

The University has also integrated Safe Exam Browser (ETH Zurich, Educational Development and Technology (LET)), a web browser environment to carry out e-assessments safely, with the LMS. KU Padasala project has over 200 videos by eminent academics. Exclusive educative videos on different topics are produced and uploaded with online accessibility.

Launched a virtual school offering full programmes online, providing students with a unique matrix of direct and online pedagogical methods. University is equipped with ICT enabled physical facilities including wifi enabled smart campus and class rooms, state of the art computer laboratories and GIS laboratory. Certain departments have well equipped language laboratories. Online platforms like Google Classroom, Google Meet, Zoom, Webex, Microsoft Teams are regularly integrated into classroom teaching. Students are encouraged to use repositories of video lectures like NPTEL, SWAYAM and e-PG Padasala.

File Description	Document
Upload any additional information	[View Document](#)
Provide link for webpage describing the " LMS/ Academic management system"	[View Document](#)

2.3.3 Ratio of students to mentor for academic and other related issues (Data for the latest completed academic year)

Response: 7:1

2.3.3.1 **Number of mentors**

Response: 283

File Description	Document
Upload year wise, number of students enrolled and full time teachers on roll.	[View Document](#)
mentor/mentee ratio	[View Document](#)
Circulars pertaining to assigning mentors to mentees	[View Document](#)

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years

Response: 85.53

File Description	Document
Year wise full time teachers and sanctioned posts for 5 years	
List of the faculty members authenticated by the Head of HEI	
Any additional information	

2.4.2 Average percentage of full time teachers with Ph.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D'Lit. year-wise during the last five years

Response: 86.26

2.4.2.1 **Number of full time teachers with *Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt.* year wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
252	237	197	206	199

File Description	Document
List of number of full time teachers with Ph D/D M/M Ch/D N B Superspeciality/DSc/D Lit and number of full time teachers for 5 years	
Any additional information	

2.4.3 Average teaching experience of full time teachers in the same institution (Data for the latest completed academic year in number of years)

Response: 10.33

2.4.3.1 **Total experience of full-time teachers**

Response: 2934

File Description	Document
List of Teachers including their PAN, designation, dept and experience details	
Any additional information	

2.4.4 Average percentage of full time teachers who received awards, recognition, fellowships at State,

National, International level from Government/Govt. recognised bodies during the last five years

Response: 24.54

2.4.4.1 **Number of full time teachers receiving awards from state /national /international level from Government/Govt. recognized bodies year wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
13	24	10	10	5

File Description	Document
Institutional data in prescribed format	View Document
e-copies of award letters (scanned or soft copy)	View Document
Any additional information	View Document

2.5 Evaluation Process and Reforms

2.5.1 Average number of days from the date of last semester-end/ year- end examination till the declaration of results year-wise during the last five years

Response: 41.6

2.5.1.1 **Number of days from the date of last semester-end/ year- end examination till the declaration of results year wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
35	52	38	41	42

File Description	Document
List of Programmes and date of last semester and date of declaration of results	View Document
Any additional information	View Document

2.5.2 Average percentage of student complaints/grievances about evaluation against total number appeared in the examinations during the last five years

Response: 0.04

2.5.2.1 Number of complaints/grievances about evaluation year wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
3	0	1	0	0

File Description	Document
Number of complaints and total number of students appeared year wise	[View Document](#)
Any additional information	[View Document](#)

2.5.3 IT integration and reforms in the examination procedures and processes (continuous internal assessment and end-semester assessment) have brought in considerable improvement in examination management system of the institution

Response:

University has ushered in considerable improvement in examination management system through IT integration and reforms. A digital ecosystem to ease the process of entrance registration, admission, enrolment, examination and publication of results. A centralized admission and allotment process is on for PG, MPhil and PhD programmes.

University follows a Continuous and Comprehensive Evaluation process under the Credit and Semester System (CSS)[1]. Student performance is internally assessed through continuous assessment strategies which include time - constrained examinations, closed book and open book tests, problem based assignments, practical assignments, laboratory reports, observation of practical skills, case study reports,

team project reports, oral presentations, viva voce, interviews, computerized adaptive testing, peer and self-assessment, activities in Moodle platform, and other pedagogic approaches to attain learning outcome as per the context. University has a dedicated LMS for the execution of internal assessment strategies. End Semester question papers are securely delivered online. Safe Exam Browser[2] (ETH Zurich, Educational Development and Technology), an LMS integrated web browser environment carries out secure e-assessments, preventing unauthorized use of resources during examinations.

A well-oiled CSS machinery is in place since 1995. In CSS programmes odd semester question papers are set internally and even semesters externally. CSS ensures transparency in the entire examination process. A multi-tiered Student Grievance Redressal system ensures that grievances are addressed at each stage with alacrity. CSS is in the process of adopting ICT based question bank system, to ensure uniformity, quality and standard in questions based on learning outcomes.

Online examinations were implemented on an experimental basis in 2016. The suggestions of the Examination Reforms Committee (2017) were adopted giving due importance to higher order thinking skills while designing question papers. Examination management systems[3] facilitate e- registration, e-payment, and hall-ticket generation. LMS is actively used for internal assessment, assignment submission,

seminars and unit tests. Alongside Jitsi integrated LMS, online platforms such as Google Classroom, Google Colaboratory, Webex, Microsoft Teams, Google Meet and Zoom are used. MPhil and PhD Open Defense examinations are also conducted online.

A unique Student Life Cycle Management System is initiated to ensure the seamless journey of a student from entry to exit. Rs. 1.17 crores is allocated for software development alone. University has an ongoing multi-crore project for digitalizing all documents including examination related ones, to the tune of Rs. 5.5 crores[4],. During the Pandemic induced mobility restrictions, University offered students the choice of examination centres across the State and Lakshadweep, which received national attention. University ensures rigour in the examination system by constituting different panels for setting question papers and evaluation. For ensuring uniformity, accuracy and transparency, pre-evaluation boards monitor and assess question papers and prepare schemes of evaluation. Double valuation of scripts ensures accuracy, with provision for third valuation. University of Kerala is the first in the State to implement a comprehensive digitized certificate depository[5] where students can download fourteen documents which include marksheets and provisional certificates.

File Description	Document
Year wise number of applications, students and revaluation cases	[View Document](#)
Any additional information	[View Document](#)
Link for additional information	[View Document](#)

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

Response: 100% automation of entire division & implementation of Examination Management System (EMS)

File Description	Document
Current manual of examination automation system and Annual reports of examination including the present status of automation	[View Document](#)
Current Manual of examination automation system	[View Document](#)
Any additional information	[View Document](#)
Annual reports of examination including the present status of automation	[View Document](#)

2.6 Student Performance and Learning Outcomes

2.6.1 The institution has stated learning outcomes (generic and programme specific)/graduate attributes which are integrated into the assessment process and widely publicized through the website and other documents

Response:

University students are moulded in tune with its graduate attributes which emphasize lifelong learning, a continual striving for excellence, nurturing of creative and critical thinking. The programmes and courses are oriented towards promoting sustainable development practices and pitching cooperation over competition. Learning Outcomes (LOs) in sync with the mission and vision of University are identified through multi-level academic deliberations and interventions, curricula drafted, and approved. This transformation into Outcome based curriculum was effected in consultation with the stake-holders (Teachers, Academic peers, Employers, R&D and Industries, Students, Alumni and Parents). Departments design syllabi in conformity with UGC LOCF[1] and stated LOs. The OBE curriculum of all the 64 PG programmes includes programme outcomes (POs) and programme specific outcomes (PSOs), with each of the 1492 [now 1559] courses having specific course outcomes (COs). OBE syllabi of all the programmes and courses are published in the website[2].

University places highest priority on value-based education as reflected in the PO. Multiple events regularly organized by the University like 'three-tier-induction', Kargil Vijay Divas celebration, interaction with socio-cultural and artistic luminaries, 'Meet the Scholar', and 'Travel through Nobel Winners' are geared towards moulding character, motivation, civic and citizenship duties. University developed a hand book on "Learning Outcomes- based Curriculum Framework (LOCF)" conforming with international standards of OBE, UGC and web sources. The three-tier induction programme introduces novice learners to the legacy of the University, orienting them to the larger horizons and immense possibilities of higher education and multidisciplinary research in an interlinked new knowledge society while familiarising them with the graduate attributes. The OBE curriculum, POs and PSOs are introduced at the school level and COs and related assessment processes at the department level. Holistic processes of mentoring and tutoring are initiated. Students are introduced to Choice Based CSS, its rules and regulations, and provided with academic calendar, CSS Handbook, and scheme and syllabus of the academic programme.

Classroom teaching specifically focuses on the LOs of the Programs and Courses. The revised Blooms Taxonomy is utilized in outlining knowledge skills and creative competency. The programme structure consists of core courses, discipline specific electives, skill enhancement courses and generic courses. Core Courses are oriented towards in depth and comprehensive knowledge of the domain. Discipline Specific Elective Courses engage with disciplinary boundaries while focussing on emerging areas of research and changing academic paradigms through an interdisciplinary lens. Skill Enhancement Courses equip students for entrepreneurial ventures in the gig economy. A credit basket of 300 Generic Courses enhances multi disciplinarity, with each student taking a minimum of two courses[3].

The assessment process is in alignment with the LOs and Graduate Attributes. Questions are mapped with the PSOs and COs in tune with the Revised Blooms Taxonomy. Subsequent to mapping the performance of students, necessary remedial measures are ensured at appropriate stages. University organized five workshops on OBE, three for imparting training to Chairpersons and members of various Boards of Study and two for University teachers[4].

File Description	Document
Upload COs for all courses (exemplars from Glossary)	View Document
Upload any additional information	View Document
Paste link for Additional Information	View Document

2.6.2 Attainment of Programme outcomes, Programme specific outcomes and course outcomes are evaluated by the institution

Response:

The paradigm shift from objective-based assessment to outcome-based assessment initiated through the OBE system in 2020 attempts new modes and methods of attaining learning outcomes stated in the syllabi. The earlier system of assessment had ensured the attainment of the aims and objectives of course through Continuous Assessment (CA), tutorials, feedback from students, mentoring, peer evaluation and End Semester Assessment (ESA) with independent student feedback and teacher evaluation. The proportionate weightage for CA and ESA was 40 : 60. CA included assignment, attendance, seminar, and mid-semester examination with experiential and participatory learning methods. For ESA, question papers were set internally for odd semesters, and externally for even semesters. Double valuation with a provision for third valuation to ensure transparency and accuracy were in place. The examination results were published provisionally and the students got a chance to appeal for correction, if necessary, before the final declaration of results. To authenticate this process, a certificate from the Head of the Department was made mandatory in the final result sheet.929

Subsequent to the implementation of OBE curriculum in 2020, University had made an exhaustive list of the Programme Outcomes (POs) and Programme Specific Outcomes (PSOs) for all the programmes and Course Outcomes (COs) for the courses under each programme after a series of rigorous academic deliberations, workshops, expert opinions and peer reviews[1]. At the end of each programme, COs, mapped alongside POs, PSOs, Cognitive Levels, Knowledge Categories, Classroom Sessions and Laboratory hours facilitate the computation of CO attainment and subsequent PO/PSO attainment. Attainment of COs are measured both directly and indirectly. Direct assessment methods include a flexible set of methods such as mid-semester examinations, closed and open book tests, laboratory reports, case study reports, oral presentations, viva-voce, activities in Moodle platform etc. At the end of each semester, ESA is conducted. Indirect assessment methods are implemented through course exit surveys, feedback survey, alumni Survey etc. The various cognitive levels and skills suggested in the course outcomes are mapped to specific assessment methods. The questions for the CA are mapped against COs of respective courses. The questions for ESA are framed to cover all COs. The proportional weightage of CA to ESA is 40 : 60.

Attainment of CO through Direct method = 0.4 x Class Average Marks Percentage for CA + 0.6 x Class Average Marks Percentage for ESA
Similarly,
Attainment of CO through Indirect method = Average (Exit survey+ feedback survey + Alumni Survey).
Finally,
Computation of Attainment of 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 the Course Outcome Attainment and Target Course Outcome. Based on the result, follow up programmes are planned and executed. With the help of CO against PO/PSO mapping, the PO/PSO attainment is also calculated by the programme coordinator. To ensure the attainment of POs and PSOs, University organizes cultural activities, sports, awareness programmes, personality development programmes, celebrates commemorative days, events, and festivals.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for Additional Information	[View Document](#)

2.6.3 Pass Percentage of students(Data for the latest completed academic year)

Response: 96.99

2.6.3.1 Total number of final year students who passed the examination conducted by Institution.

Response: 901

2.6.3.2 **Total number of final year students who appeared for the examination conducted by the Institution.**

Response: 929

File Description	Document
Upload list of Programmes and number of students passed and appeared in the final year examination	[View Document](#)
Upload any additional information	[View Document](#)
Paste link for the annual report	[View Document](#)
Link fo any additional information	[View Document](#)

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response: 3.49

File Description	Document
Upload database of all currently enrolled students	[View Document](#)
Upload any additional information	[View Document](#)

Criterion 3 - Research, Innovations and Extension

3.1 Promotion of Research and Facilities

3.1.1 The institution's Research facilities are frequently updated and there is a well defined policy for promotion of research which is uploaded on the institutional website and implemented

Response:

A well-defined and inclusive **Research Policy** (https://www.keralauniversity.ac.in/research-policy) that inculcates a culture of research excellence and integrity is the hallmark of the University. The revised research policy (2021) provides a vision on the kind and nature of University's research over the next ten years as well as on the ways and means to strengthen research so as to make it more knowledge-oriented, societal and transformative. This document tries to build upon the sweeping tradition of innovation, accessibility and significance established by our founders and personified by successive administrators and academics. The policy envisages establishing a vibrant milieu and ambience for research in universities in order to transform itself as a centre of excellence for intellectual creativity, to respond to social demands from time to time, and to contribute to the creation of knowledge societies and a sustainable world.

The **Standing Committee of the Syndicate on Academics and Research** regularly meets to monitor academic and research affairs of University. The University has set up a two-tier system to formulate and streamline quality research, consisting of **the Research Council** and the **Department Doctoral Committees (DDC)**. In a unique move towards social equity and excellence, the University provides an upgraded **JRF and SRF (Rs. 11,000-13,000 per month)** for up to **five years for all full-time scholars** in the University Departments, research centres, and affiliated colleges, and other approved research centres. Thus, to the non-recipients of any national and state fellowships, the University guarantees financial support, ensuring equity to all students. University offers **40 numbers of Post-Doctoral Fellowships every year at the rate of Rs. 20,000 per month**, **for a maximum duration of two years**.

Research in the University has been brought under the **Research Directorate**, with a separate administrative division to exclusively look into research under a **Research Director**. The University has streamlined the processes involved in doctoral research by setting up a single-point, securely hosted solution platform, the **Research Portal** (http://research.keralauniversity.ac.in/index.php). The University has constituted **research and academic excellence awards for the faculty members** to encourage quality research and motivate them towards global excellence.

To promote cutting edge research University has established a state-of-the-art **Central Laboratory for Instrumentation and Facilitation (CLIF),** Campus Computing Facility, laboratory for Media Studies, Language Laboratories and recording studios at various departments. The social commitment and responsibility of the University have been ensured by making the research facilities open and available for researchers from other institutions. The University has also been proactive in having collaborative tie-ups with over 100 top-ranking academic and research institutions to promote interdisciplinary research culture. There has been a very engaging interaction with the industry, and recognizes the potential of these interactions and encourages the incubation of start-ups, K-DISC, Government of Kerala

Proactive research policy in a conducive academic ambience which envisages deep-seated social commitment at the core of cutting-edge research, ensuring an infrastructure that vies with global standards, results in a Public University that tirelessly strives to continue its legacy of excellence into the new

millennium.

File Description	Document
Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	[View Document](#)
Any additional information	[View Document](#)
URL of Policy document on promotion of research uploaded on website	[View Document](#)

3.1.2 The institution provides seed money to its teachers for research (average per year, INR in Lakhs)

Response: 71.75

3.1.2.1 **The amount of seed money provided by institution to its faculty year-wise during the last five years (INR in lakhs).**

2020-21	2019-20	2018-19	2017-18	2016-17
275.75	48	29	5	1

File Description	Document
Minutes of the relevant bodies of the University	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	[View Document](#)
Any additional information	[View Document](#)

3.1.3 Percentage of teachers receiving national / international fellowship / financial support by various agencies for advanced studies / research during the last five years.

Response: 6.89

3.1.3.1 **The number of teachers who received national / international fellowship / financial support by various agencies for advanced studies / research year-wise during the last five years.**

2020-21	2019-20	2018-19	2017-18	2016-17
29	20	15	15	8

File Description	Document
Institutional data in prescribed format	View Document
e-copies of the award letters of the teachers	View Document
Any additional information	View Document

3.1.4 Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other research fellows enrolled in the institution during the last five years.

Response: 820

3.1.4.1 **The Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other research fellows enrolled in the institution year-wise during the last five years.**

2020-21	2019-20	2018-19	2017-18	2016-17
276	177	161	95	111

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

3.1.5 Institution has the following facilities to support research

1. **Central Instrumentation Centre**
2. **Animal House/Green House**
3. **Museum**
4. **Media laboratory/Studios**
5. **Business Lab**
6. **Research/Statistical Databases**
7. **Mootcourt**
8. **Theatre**
9. **Art Gallery**
10. **Any other facility to support research**

Response: A. 4 or more of the above

File Description	Document
Upload the list of facilities provided by the university and their year of establishment	[View Document](#)
Upload any additional information	[View Document](#)
Paste link of videos and geotagged photographs	[View Document](#)

3.1.6 Percentage of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other recognitions by national and international agencies (Data for the latest completed academic year)

Response: 13.95

3.1.6.1 **The Number of departments with UGC-SAP, CAS, DST-FIST , DBT, ICSSR and other similar recognitions by national and international agencies.**

Response: 6

File Description	Document
Institutional data in prescribed format	[View Document](#)
e-version of departmental recognition award letters	[View Document](#)
Any additional information	[View Document](#)

3.2 Resource Mobilization for Research

3.2.1 Extramural funding for Research (Grants sponsored by the non-government sources such as industry, corporate houses, international bodies for research projects) endowments, Chairs in the University during the last five years (INR in Lakhs).

Response: 154.53

3.2.1.1 **Total Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year-wise during the last five years (INR in Lakhs).**

2020-21	2019-20	2018-19	2017-18	2016-17
46.1677218	25.299	33.42542	11.63464	38.0

File Description	Document
Institutional data in prescribed format	View Document
e-copies of the grant award letters for research projects sponsored by non-government	View Document
Any additional information	View Document

3.2.2 Grants for research projects sponsored by the government agencies during the last five years (INR in Lakhs).

Response: 5825.01

3.2.2.1 **Total Grants for research projects sponsored by the government agencies year-wise during the last five years (INR in Lakhs).**

2020-21	2019-20	2018-19	2017-18	2016-17
1632.44975	836.6662	1547.51678	1494.81101	313.5681

File Description	Document
Institutional data in prescribed format	View Document
e-copies of the grant award letters for research projects sponsored by government	View Document
Any additional information	View Document

3.2.3 Number of research projects per teacher funded by government and non-government agencies during the last five years

Response: 1.34

3.2.3.1 **Number of research projects funded by government and non-government agencies during the last five years.**

Response: 255

3.2.3.2 **Number of full time teachers worked in the institution year-wise during the last five years..**

Response: 949

File Description	Document
Supporting document from Funding Agency	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)
Paste Link for the funding agency website	[View Document](#)

3.3 Innovation Ecosystem

3.3.1 Institution has created an eco system for innovations including Incubation centre and other initiatives for creation and transfer of knowledge.

Response:

A constant striving towards a conducive ecosystem for innovative ideas, creativity, and shared knowledge, with a well-defined revised and updated **Intellectual Property Rights Policy** is the hallmark of the University. **Kerala University Business, Innovation and Incubation Centre (KUBIIC,** formerly KU-TBSIC) (https://www.kubiic.org/) functions as a platform for identifying, incubating, and transforming creative ideas of students, researchers, alumni and faculty into viable start-ups, and novel business ventures. The initiative ensures the proactive engagement of academia in creating a springboard for students, alumni and researchers in moulding entrepreneurs sensitive to the demands of a just and sustainable knowledge society.

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 selected:

- 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 start-ups are functioning under KUBIIC. **University has released Rs. 63.5 lakhs for start-ups as initial grants and earmarked funds for patent filing**.

For upgrading the existing ecosystem of innovations, and mobilising ideas and resources, KUBIIC closely associates with Government initiatives like Kerala Start-up Mission (KSUM), and Kerala Development and Innovation Strategy Council (K-DISC).

University actively joined hands with KSUM's IDEA FEST 2019 to foster and celebrate innovative ideas, and to keep the entrepreneurial beacon glowing. The highlight of this initiative was an idea presentation competition, with an award of Rs. 2 lakhs, and an additional grant of Rs. 7 Lakhs for ideas with prototypes. University floated the event, garnering wide publicity through websites, posters and awareness campaigns by the student union, motivation and mentoring by faculty, creating massive student involvement. 16 ideas were selected under four categories namely Agritech (5), Health and Medical Technology (7), Information Technology (3) and Deep Technology (1).

University joined hands with K-DISC in its **Young Innovators Programme (YIP)**, grooming, mentoring and motivating students' participation. University organized two workshops and training programmes for the idea hunt. The faculty also served as mentors and experts in the process. Out of more than 100 innovative ideas from the University, five were selected for funding under YIP 2019-22. (https://yip.kerala.gov.in/). Similar participative exercises are under process for YIP 2020-22 and 2021-23.

University has also joined hands with K-DISC's latest initiative, 'Kerala Knowledge-Economy Mission' for promoting innovation, strengthening higher education institutions, enhancing skill development of students, youth and women, while creating 20 lakh employment opportunities. Under this scheme, University proposes to host a **Centre for Training Trainers**, where different levels of training will be imparted to selected postgraduate and professional degree students, and PhD scholars in different domains. Through this venture, University seeks to function as a nodal centre of Kerala Knowledge-Economy Mission.

University has submitted a proposal of 3 crores to K-DISC, for enhancing the facilities of the Incubation Centre, and funding viable entrepreneurial projects from PG, M.Phil. and PhD dissertations.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

3.3.2 Number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR),entrepreneurship, skill development during the last five years.

Response: 147

3.3.2.1 **Total number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR),entrepreneurship, skill development year-wise during the last five years.**

2020-21	2019-20	2018-19	2017-18	2016-17
34	28	27	35	23

File Description	Document
Report of the event	
Institutional data in prescribed format	
Any additional information	

3.3.3 Number of awards / recognitions received for research/innovations by the institution / teachers / research scholars / students during the last five years.

Response: 112

3.3.3.1 **Total number of awards / recognitions received for** *research /* **innovations won by institution / teachers / research scholars / students year-wise during the last five years.**

2020-21	2019-20	2018-19	2017-18	2016-17
33	22	22	18	17

File Description	Document
Institutional data in prescribed format	
e- copies of award letters	
Any additional information	

3.4 Research Publications and Awards

3.4.1 The Institution ensures implementation of its stated Code of Ethics for research through the following: 1. Inclusion of research ethics in the research methodology course work 2. Presence of Ethics committee 3. Plagiarism check through software 4. Research Advisory Committee

Response: A. All of the above

File Description	Document
Code of ethics for Research document, Research Advisory committee and ethics committee constitution and list of members on these committees, software used for Plagiarism check, link to Website	
Any additional information	

3.4.2 The institution provides incentives to teachers who receive state, national and international recognitions/awards 1.Commendation and monetary incentive at a University function 2.Commendation and medal at a University function 3. Certificate of honor 4.Announcement in the Newsletter / website

Response: A.. All of the above

File Description	Document
Institutional data in prescribed format	View Document
e- copies of the letters of awards	View Document
Any additional information	View Document

3.4.3 Number of Patents published / awarded during the last five years.

Response: 24

3.4.3.1 **Total number of Patents published / awarded year-wise during the last five years.**

2020-21	2019-20	2018-19	2017-18	2016-17
12	4	2	3	3

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

3.4.4 Number of Ph.D's awarded per teacher during the last five years.

Response: 3.84

3.4.4.1 **How many Ph.D's are awarded within last five years.**

Response: 907

3.4.4.2 **Number of teachers recognized as guides during the last five years**

Response: 236

File Description	Document
Institutional data in prescribed format	[View Document]
Any additional information	[View Document]
URL to the research page on HEI web site	[View Document]

3.4.5 Number of research papers per teachers in the Journals notified on UGC website during the last five years

Response: 12.1

3.4.5.1 **Number of research papers in the Journals notified on UGC website during the last five years.**

2020-21	2019-20	2018-19	2017-18	2016-17
1014	484	578	564	416

File Description	Document
Institutional data in prescribed format	[View Document]
Any additional information	[View Document]

3.4.6 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years

Response: 3.71

3.4.6.1 **Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year-wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
356	222	122	139	97

File Description	Document
Institutional data in prescribed format	[View Document]
Any additional information	[View Document]

3.4.7 E-content is developed by teachers :

    1. For e-PG-Pathshala
    2. For CEC (Under Graduate)
    3. For SWAYAM
    4. For other MOOCs platform
    5. Any other Government Initiatives
    6. For Institutional LMS

Response: A. Any 5 of the above

File Description	Document
Institutional data in prescribed format	[View Document](#)
Give links or upload document of e-content developed	[View Document](#)
Any additional information	[View Document](#)

3.4.8 Bibliometrics of the publications during the last five years based on average citation index in Scopus/ Web of Science or PubMed

Response: 6.92

File Description	Document
Bibliometrics of the publications during the last five years	[View Document](#)
Any additional information	[View Document](#)

3.4.9 Bibliometrics of the publications during the last five years based on Scopus/ Web of Science - h-index of the Institution

Response: 34.5

File Description	Document
Bibiliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	[View Document](#)
Any additional information	[View Document](#)

3.5 Consultancy

3.5.1 Institution has a policy on consultancy including revenue sharing between the institution and the individual and encourages its faculty to undertake consultancy.

Response:

University has a unique policy for promoting, motivating and facilitating consultancy. The policy encourages the use of University's intellectual and infrastructural resources, providing consultancy services to external agencies and individuals, offering the specific expertise of its teachers, staff, research scholars and students to address scientific, technological, social, economic, cultural, managerial, linguistic, archival, archaeological, educational, and environmental requirements, and to foster linkages with industries and other stakeholders.

University has a **Consultancy Cell** (**UCC**), a body for enabling, overseeing and managing its consultancy services, chaired by the Vice-Chancellor, and consisting of 12 members. University has a simple and transparent mechanism for all types of consultancies, both routine and non-routine. In tune with the changing needs of time, the University reformulates the policy (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/104409/3.5.1_1637342936_6630.pdf).

With its commitment to deliver high-value custom consultancy services, the UCC is growing in leaps and bounds. A detailed brochure showcasing its multidisciplinary departmental domains, and their respective strengths and competency, which seeks to attract prospective clients, and business and industrial houses have been put into circulation.

UCC meets as and when required to consider consultancy proposals for approval. To ensure speed and efficiency, the UCC Director is empowered to receive approved consultancy funds and release the same to the consultant. The multidisciplinary expertise of the University embodied in its 44 specialized Departments, is equipped to offer a wide and eclectic array of consultancy services such as plant identification, translation works, software development and IT services, social surveys, medical image analysis, sample analyses, soil, water and microbial analyses, resource estimation, EIA, counselling, R & D for product development, etc.

Central Laboratory for Instrumentation and Facilitation (CLIF) enhances technological and laboratory services of UCC. In addition to professional consultancy, the University Departments and Centres also welcome academic consultancy in the form of student projects, internships, library and laboratory services etc.

University has a well-defined mechanism for income sharing in the case of consultancy projects. For individual consultancies, 50% of the income goes to the consultant and remaining 50% will be shared by the University (20%) and the concerned Department (30%). For institutional consultancy, 80% goes to the consultant, and 12% and 8% are shared by the Department and University respectively.

University has rendered consultancy services to a host of clients, which include: Kannur University**,** Government of Kerala (K-MAT), Kerala State Revenue Department, MGNRGEP, Gulati Institute of Finance and Taxation, Kudumbasree Mission, UAE Embassy, English Indian Clays, Chibro Aqua (Israel), Adani Vizhinjam Port Pvt. Ltd., Rajiv Gandhi Centre for Biotechnology, FHI-UK, Reliance, Federal Bank, Microsoft India, Asian Development Bank, Trivandrum Corporation, Motor Vehicles Department, Kerala State Planning Board, Election Commission of India, Kerala State Electricity Board, Kerala State Biodiversity Board, Kerala State Revenue Department, Federal Manipal School of Banking, Kerala State Ministry of Agriculture, Japan Bank for International Cooperation, Kerala Sustainable Urban Development Project, etc.

The fact that the University has generated total revenue of over Rs. 3.6 crores stand testimony to the overarching success of UCC.

File Description	Document
Upload soft copy of the Consultancy Policy	[View Document](#)
Upload minutes of the Governing Council/ Syndicate/Board of Management related to consultancy policy	[View Document](#)
Upload any additional information	[View Document](#)
Paste URL of the consultancy policy document	[View Document](#)

3.5.2 Revenue generated from consultancy and corporate training during the last five years (INR in Lakhs).

Response: 398.89

3.5.2.1 **Total amount generated from consultancy and corporate training year-wise during the last five years (INR in lakhs).**

2020-21	2019-20	2018-19	2017-18	2016-17
72.07	89.08	98.85	93.59	45.30

File Description	Document
Institutional data in prescribed format	[View Document](#)
Audited statements of accounts indicating the revenue generated through consultancy	[View Document](#)
Any additional information	[View Document](#)

3.6 Extension Activities

3.6.1 Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the last five years.

Response:

University's extension activities strive to exist in harmony with the surrounding ecosystem, forging bonds of empathy with communities and wider society. Departments forge organic connections with neighbourhood communities and larger society, through innovative outreach programs. Right from induction programmes, students are oriented to respect their organic linkages with society, training them to be ethical and responsible social beings, who value and cherish deep empathetic relations with the community. The University of Kerala has an exclusive Adult, Continuing Education and Extension. The

University has framed an overarching **Extension and Institutional Social Responsibility Policy.** **(**https://www.keralauniversity.ac.in/NAAC/C3/3.6.1/Extension_Social_Responsibility_Policy.pdf).

When the State was ravaged by **Ockhi cyclone, repetitive floods and landslides,** and **COVID-19**, University took immediate redressal measures, distributing food/water/clothing/medicines.

University through an exemplary act of solidarity donated **Rs. 6.5 crores** to Chief Minister's Distress Relief Fund.

To create a pandemic resilient society, University recently contributed **Rs. 55 lakhs** to Govt. of Kerala (Vaccine Challenge).

University has created a deep impact on neighbourhood communities with proactive extension activities, conducting dynamic programmes such as

- 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 warming, creating green lungs for neighbourhood and ensuring food security.
- **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 linguistic minorities** in **disaster-hit Pettimudi, Munnar**
  - **School Adoption:** Enhancing inclusive education through:

- **GHSS Valiyazheekkal** and **GHSS Ramapuram**
- **GHSS Ayriooppaara, GUPS Karyavattom, GMLPS Thycaud, GHSS Chavadimukku, St. Vincent HSS, Kaniyapuram**(LINK)

The University's mission of combining *education with compassion* is validated by such proactive engagements, consolidating its role as a premier public institution.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

3.6.2 Number of awards received by the Institution, its teachers and students from Government /Government recognised bodies in recognition of the extension activities carried out during the last five years

Response: 49

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

Government recognised bodies year-wise during the last five years.

2020-21	2019-20	2018-19	2017-18	2016-17
22	14	10	2	1

File Description	Document
Institutional data in prescribed format	View Document
e-copy of the award letters	View Document
Any additional information	View Document

3.6.3 Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years

Response: 221

3.6.3.1 **Number of extension and outreach programs conducted by the institution those through NSS/NCC, Government and Government recognised bodies during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
73	39	40	34	35

File Description	Document
Reports of the event organized	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document

3.6.4 Average percentage of students participating in extension activities listed at 3.6.3 above during the last five years

Response: 99.04

3.6.4.1 **Total number of students participating in extension activities listed at 3.6.3 above year-wise during the last five years.**

2020-21	2019-20	2018-19	2017-18	2016-17
2087	1710	1438	1322	1452

File Description	Document
Report of the event	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document

3.7 Collaboration

3.7.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship per year

Response: 91.4

3.7.1.1 **Total number of Collaborative activities with other institutions / research establishment / industry for research and academic development of faculty and students year-wise during the last five years.**

2020-21	2019-20	2018-19	2017-18	2016-17
154	84	82	77	60

File Description	Document
Institutional data in prescribed format	View Document
Copies of collaboration	View Document
Any additional information	View Document

3.7.2 Number of functional MoUs with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.

Response: 176

3.7.2.1 **Number of functional MoUs with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research year-wise during the last five years.**

2020-21	2019-20	2018-19	2017-18	2016-17
99	29	20	16	12

File Description	Document
Institutional data in prescribed format	View Document
e-copies of the MoUs with institution/ industry	View Document
Any additional information	View Document

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The institution has adequate facilities for teaching - learning. viz., classrooms, laboratories, computing equipment, etc.

Response:

University, established in 1937 has a dual smart campus (Senate house and Kariavattom) in 396.4 acres, with 43 well-equipped teaching and research departments, and 46 specialized Research Centers. State-of-the-art facilities for teaching-learning make it a premier public institute.

In tune with the vision of creating an environment of academic excellence through technologically advanced pedagogical tools and infrastructure, University ensures adequate availability and optimal utilization of physical infrastructure.

Combining majestic grandeur with modern amenities, the Senate Hall (2000pax), together with the Senate Chamber and Golden Jubilee Hall, occupy the pride of place in University. Other facilities include

- >150 classrooms, all are ICT-enabled
- One ICT-enabled seminar hall in each department (12 airconditioned), with 20 having 80+ seating capacity, and two over 200.
- 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 multimedia classrooms
- Kerala Government sanctioned Rs.150 crores for further infrastructure development
- 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 State Budget,2021)

All Science and technology departments have separate state-of-the-art laboratories to suit specific disciplinary needs. CLIF, one of the largest laboratories in State lends support to research activities of University and outside.

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 common computing facilities and departmental computer facilities available to the students (1474 computers). Students are ensured with learning and application of software packages like MATLAB, SPSS, Schodinger, GIS, Optsim, FibreRating. 10GBPS OFCs ensure optimum connectivity between buildings, and dedicated internet with One-GBPS(NKN), 50MBPS(Asianet) and 4MBPS(BSNL).

University is equipped with **ICT enabled physical facilities** including **state-of-the-art computer laboratories** and **GIS laboratory**.

University has set up **LMS** to manage online OBE courses, integrating **Safe Exam Browser** for secure e-assessments.

KU Padasala is a treasure trove of academic digital content.

A **Networked Library System,** comprising of Central-Library, Campus-Library, and Department Libraries together house a mammoth holding of 9,55,731 print books, and a huge repository of print, digital and e-resources, contributing to unique infrastructural strength of University. 750 print journals, 17747 e-journals and 2500 E-books, and a collection of over 3000 rare books and documents are available, along with more than 20,000 e-journals and 6 other databases, through UGC-E-ShodhSindhu programme.

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

Oriental Research Institute and Manuscript Library has a rare palmyra collection and 65000 ancient manuscripts.

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 environment conducive for higher learning and research.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

4.1.2 The institution has adequate facilities for cultural activities, yoga, games and sports (indoor & outdoor); (gymnasium, yoga centre, auditorium, etc.,)

Response:

University's emphasis on extra-curricular activities helps strike a balance between physical, psychological and social wellbeing while equipping students to better graduate roles. Inspiring incentives, grace marks, special examinations, and sports quotas for admission, serve to promote art and sporting cultures.

Senate Hall (2000 pax) and Golden Jubilee Hall (1000 pax) act as vibrant stages for cultural activities along with four open-air auditoriums and several multipurpose halls. Winning **Overall Championship** a **whopping ten times** in the **South Zone Inter-University Youth Festival**, in the last eleven years stands testimony to University's infrastructure and support.

Cultural activities are organized under **Department of Student Services**. **University Youth Festival**, a gala annual event showcases the best talents, having contributed world-renowned artists: KJ Yesudas, Prem Nazir, Mohanlal, Mammootty, KS Chithra, ONV Kurup, *et. al.*

Drama, Film, and Literary Festivals, Music Concerts and Kaviyarangu are regular campus events. Onam, Christmas, Eid, Holi, Diwali and Pongal are celebrated with great pomp, adding to the multicultural, multireligious and multiethnic life on campus.

Using arts for social sensitization, Centre for Performing Arts organised two **Travelling Theatres** on '**Sreenayana Guru Darshanam**' and on '**Mahatma Ayyankali**', highlighting the role of pioneering social reformers in crafting Kerala.

Dhamani - employees cultural organization host regular artistic events. Women's Club organizes women-centric cultural programmes.

University Stadium (GV Raja Pavilion) with the **first synthetic track** in the State is symbolic of the University's pioneering efforts in consolidating the State's sporting culture. State-of-the-art sports facilities for training, replete with **fitness training centre and gymnasium** are major highlights. Training in Karate, Taekwondo, Boxing and Yoga are available. An associated **Sports Hostel** offers residential facilities for prospective athletes.

Green Field International Sports Hub, India's first eco-friendly DBOT outdoor stadium, a **regular venue of international cricket** and home to **National Games 2015**, is a joint venture of University and Government of Kerala.

Both these stadia, while stealing the pride of place in Kerala, are also revenue-generating models for the University.

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 Education** headed by a **Director**. **University Coaches** train students in various sports and game events.

Such sterling sporting infrastructures helped University achieve many laurels in the Track and Field events, nurturing many Olympians/ national champions like Sanju Samson, Jimmy George, Beenamol, Mercykkuttan, Boby Alocius, Wilson Cherian, Anju Bobby George.

Yoga is practised and promoted by University Students Centre, Centre for Vedanta Studies, Departments of Philosophy, Education and Physical Education, with a Generic Course on Yoga open to students. A course on Yoga is included in M.Ed. curriculum. University ensures adequate infrastructure for Yoga training.

International Yoga Day is celebrated by all teaching departments with a host of activities.

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)

File Description	Document
Upload any additional information	[View Document](#)
Geotagged pictures	[View Document](#)
Paste link for additional information	[View Document](#)

4.1.3 Availability of general campus facilities and overall ambience

Response:

Divyaangjan-friendly, smart, green campuses (built-up area-1,93,000SqM), with modern amenities, spread over 396.4 acres in an ambience conducive to best practices in teaching, learning, research and extension, make the University one of the premier public institutions. Situated in the State capital, with salubrious climate and close proximity to international airport and Seaport, R&D institutions of national eminence, industrial&IT-Parks and over 100 Libraries, make University a significant educational hub. Occupying the pride-of-place amidst high-density research institutions, nurturing strong academic bonds through collaborative academic and research activities, University carved a niche on the world intellectual map. Experts from these R&D institutions are members of our Research Council. Extensive University-Industry Interface support through internship, project work, placements, incubation, entrepreneurship and initiatives for applied research and joint academic programmes are in place.

Academic fraternity is a vibrant presence in some of the unique cultural festivities in the capital.

Entry to University is through the Asan Square commemorating Kerala's greatest social reformer poet, Mahakavi Kumaranasan, and then the majestic statue of the founder Chancellor, Maharaja Sree Chithira Tirunal Balarama Varma, reaching the portals of the heritage administrative building, standing tall and erect under an antique landmark clock-tower (Foundation Stone laid by first Indian President-Dr Rajendra Prasad, 1956). Senate House (SH) campus is adorned by the erstwhile Travancore State Assembly and Palace Buildings. Senate Hall, the most magnificent and archaic auditorium in the city, adorned by lofty portraits of its visionary founders.

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, Education and Music
- 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), then President of India. This verdant smart campus, sprawling across 367 acres (built-up area-129,607SqM) houses 38

teaching departments, 48 centres, research laboratories, residential complexes, etc. along with student support services. Infrastructure instilled with sustained commitment to Arts, Humanities and Social Sciences alongside Science and Technology yields deeper intercultural understanding, critical thinking, scientific temperament, while nurturing civic engaged 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, 16-hour open Campus-Library, and state-of-the-art sports facilities make the campus a healthy and vibrant learning environment.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

4.1.4 Average percentage of expenditure for infrastructure augmentation excluding salary during the last five years (INR in Lakhs)

Response: 42.48

4.1.4.1 **Expenditure for infrastructure augmentation, excluding salary during the last five years (INR in lakhs)**

2020-21	2019-20	2018-19	2017-18	2016-17
4326.31	2712.86	3764.63	4682.70	3897.19

File Description	Document
Upload audited utilization statements	[View Document](#)
Upload any additional information	[View Document](#)
Institutional data in prescribed format	[View Document](#)

4.2 Library as a Learning Resource

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

Response:

Massive, fully automated, networked integrated library system consisting of Central Library, Campus library, Departmental and Regional Centre libraries, through ILMS using KOHA open-source software, enhancing Library housekeeping operations such as acquisition, cataloguing, serial control, circulation, etc. Central Library has a unique status of being open to public with provisions for graduate membership since 1942.

Fully automated with KOHA, Library is interconnected through OFC. Unique search facilities (VPN enabled uni@home) offer access to users on-the-go.

All books are catalogued in Machine Readable format accessible from remote locations through Web-enabled Online Public Access Catalogue. A KIOSK enables access to bibliographic details, location and status of the documents.

An **ethical policy of constant updation of resources while connecting and sharing them worldwide** via Link1 and Link2. Library is part of Kerala Academic Library Network (**KALNET**) creating an ecosystem of knowledge sharing.

- **Monumental collection** of 9,55,731 print books (out of which 7,16,967 are unique titles), 750 Print journals (including *Nature* and *Science*), **17747 e-journals** (full text access), 5500 e-books, and over 3000 rare books. E-resources include e-journals and perpetual access to archival databases of ScienceDirect, JSTOR, Royal Society of Chemistry, American Chemical Society, American Physical Society, Institute of Physics (IOP), IEEE, Sci-Finder, IndianJournals.com, Sage, Earth and Planetary Science, Library and Information Science Abstract, Proquest, J-Gate, Wiley Online Library and Cambridge University Press. Twenty-five computers are provided exclusively to the E-Resource Centre. Membership in **UGC E-ShodhSindhu Consortium** offers full-text access to 20,000 e-journals and six other databases.

Subscription to Scopus, largest abstract and citation database supports University's research intelligence portfolio.

Notable features include:

- **Kerala Reference Centre:** Unique multidisciplinary knowledge repository including rare publications, almanacs, directories, gazettes, gazetteers, reports, mostly digitized and available through LIDAS.
- **Kerala Index Online**: Unique information product with retrospective index of articles containing keyword indexes and brief annotations of articles (71,805 digital titles) (http://www.keralaindex.org).
- **Institutional Digital Repository** (Rs.35 Lakh) Digitization of 7000 Kerala University PhD theses in progress (3000 uploaded) (http://shodhganga.inflibnet.ac.in/handle/10603/4168).
- **UN & World Bank Depository** of 4385 books, reports and working papers
- **Tagore Nikethan Reading Corner:** An exclusive reading corner, commemorating the Nobel Laureate's visit on 9-11-1922 (KU Library stands at the location of the gala public reception in honour of Tagore)
- **RFID Library Management System** (Rs. One Crore) ensures efficient access and circulation of books (over 200,000 already tagged). Self-check-in and check-out through chip-based Smart cards.
- preserves and provides access to over 20 lakh full text searchable digital pages of rare books (Rs.85,00,000/-)
- **EBSCO Discovery Service** (Rs. 15 Lakhs) integrates subscribed contents to a single search window http://kulib.in/
- **Centre for Visually Challenged Users** More than 10 Lakh audiobooks available through 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 to its key role in knowledge dissemination in the state.

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

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

4.2.2 Institution has access to the following: 1. e-journals 2. e-ShodhSindhu 3. Shodhganga Membership 4. e-books 5. Databases 6. Remote access to e-resources

Response: A. Any 4 or more of the above

File Description	Document
Upload any additional information	[View Document](#)
Institutional data in prescribed format	[View Document](#)

4.2.3 Average annual expenditure for purchase of books/ e-books and subscription to journals/e-journals during the last five years (INR in Lakhs)

Response: 446.38

4.2.3.1 Annual expenditure for the purchase of books and journals including e-journals year-wise during last five years (INR in Lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
373.52	551.39	415.68	547.00	344.30

File Description	Document
Institutional data in prescribed format	[View Document](#)
Audited statements of accounts	[View Document](#)
Any additional information	[View Document](#)

4.2.4 Percentage per day usage of library by teachers and students (foot falls and login data for online access) during the latest completed academic year

Response: 81.52

4.2.4.1 **Number of teachers and students using library per day over last one year**

Response: 1941

File Description	Document
Details of library usage by teachers and students (Library accession register, online accession details to be provided as supporting documents)	[View Document](#)
Any additional information	[View Document](#)

4.3 IT Infrastructure

4.3.1 Percentage of classrooms and seminar halls with ICT - enabled facilities such as LCD, smart board, Wi-Fi/LAN, audio video recording facilities. (Data for the latest completed academic year)

Response: 100

4.3.1.1 **Number of classrooms and seminar halls with ICT facilities**

Response: 207

File Description	Document
Upload any additional information	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Paste link for additional information	[View Document](#)

4.3.2 Institution has an IT policy, makes appropriate budgetary provision and updates its IT facilities including Wi-Fi facility

Response:

As a State University, University of Kerala adopted Kerala State IT policy. Tailormade for its specific requirements the University formulated a backup policy. University strives to use ICT as a vehicle for transformative knowledge creation (Budgetary provision 24 crore for last five years). The policy emphasizes IT service management, information and network security, risk management, software asset management, open-source, green computing, etc.

Distinct backup policy is implemented and managed by University Computer Centre (UCC) in diverse areas of IT/ICT related activities.

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 Network has extensive coverage with more than 3000 users. All IT devices are authenticated through the radius and active directory security systems.

In addition to Department computer facilities, common computer facilities are available in CLIF, Campus and Central Libraries. Additional computing facilities are added based on requirements.

University provides separate web portals to the students and staff. In 2016 and 2017, University received an **IT Award** from Government of Kerala Link.

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 and administrative offices of the University. About 90% of the file flow is digital (Software cost alone ~Rs 80 Lakhs).

Student Life Cycle Management System, ensures the seamless journey of students from entry to exit (Software cost alone Rs. 1.17 crores). Through National Academic Depository (NAD), University ensures post-exit services.

Regular auditing and certification of developed software by authorised certifying agencies is also in place for quality performance, opening up potential solutions for future optimisation.

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

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 under CCTV surveillance, Biometric System (Rs. 1.1 crore), and a centrally managed double secured Internet facilitator enabled WiFi.

Budgetary allocation of **Rs 10 crores** (2020) is earmarked towards work in progress for augmenting ICT infrastructure (Theatre Classrooms and Smart Classrooms).

University's futuristic vision is embodied in its dream project of implementing a **comprehensive ERP System** for complete automation.

(For viewing the policies, click on 'link for additional information')

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

4.3.3 Student - Computer ratio (Data for the latest completed academic year)

Response: 1:1

File Description	Document
Upload any additional information	[View Document](#)
Student – computer ratio	[View Document](#)

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

Response: A. ?1 GBPS

File Description	Document
Upload any additional information	[View Document](#)
Details of available bandwidth of internet connection in the Institution	[View Document](#)

Other Upload Files	
1	[View Document](#)

4.3.5 Institution has the following Facilities for e-content development

1. **Media centre**
2. **Audio visual centre**
3. **Lecture Capturing System(LCS)**
4. **Mixing equipments and softwares for editing**

Response: A. All of the above

File Description	Document
Upload any additional information	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Links of photographs	[View Document](#)

4.4 Maintenance of Campus Infrastructure

4.4.1 Average percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component during the last five years

Response: 14.6

4.4.1.1 **Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year-wise during the last five years (INR in lakhs)**

2020-21	2019-20	2018-19	2017-18	2016-17
2130.54	1069.08	1176.76	992.94	1277.49

File Description	Document
Upload any additional information	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Audited statements of accounts	[View Document](#)

4.4.2 There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

Response:

University has ethical policy of building state-of-the-art infrastructure, while striving towards their periodic updation, maintenance and utilization. Scrupulous procedures, protocols and ethical guidelines are in place, ensuring resource sharing with stakeholders and larger society.

Massive built-up area of **1,93,000SqM** (Construction in progress for another 9097SqM) makes it **one of the largest public Universities in India**.

Expenditure of Rs.193.84 crores ensures sustained infrastructure augmentation (2016-2021) with another Rs.22.32 crores for library augmentation. Kerala Government sanctioned Rs.150 crores for further infrastructure development.

75-strong engineering crew under University Engineer oversees maintenance and upkeep of infrastructure. Syndicate Committee on Planning and Development regularly monitors maintenance/upgradation/enhancement of facilities.

In-house maintenance, warranties, AMCs ensure smooth functioning of highly sophisticated equipment such as, FESEM, NMR, XPS, ICP-MS, SEM, AFM, XRD, XRF, Micro-Raman, Gene-Sequencer, VSM, extensively used by **academic fraternity of various Universities/R&D institutions/industries,** yielding **best utilization practices and socially empathetic revenue generation models**. Stock registers and logbooks are diligently maintained, documenting entries on repair/maintenance/usage.

CLIF is managed by Director, Instrumentation Engineer and eight technical officers**.** Rs.26.32 lakhs generated from 187 users within campus and 347 from outside (2020-21).

Sophisticated equipment in the Department laboratories are also extended to outside users (Rs 8.72 lakhs generated).

Workstation for Research on Microdata from Census, (sponsored by Government of India), accessed by public for generating customised Tables of Census.

Two 11KV substations with backup facility guarantee uninterrupted power supply.

Widely accessed Central Library (6994M2) with integrated network of Campus (1395M2) and Departmental libraries are open to public. Library Advisory Committee frames rules/manage fund allocation, resource addition, access and utilisation.

Library resources utilization by 21000+ (academic and general public) members, managed by a 122-strong library professional team. Open to access for 8-16 hours daily, with steadily enhanced usage and an accession of 20,43,081 (2020-21).

Oriental Research Institute and Manuscript Library has a rare ancient collection of 65000 manuscripts preserved for posterity in physical, microfilm and digital formats, with easy access to scholars worldwide (216 researchers used during the assessment period).

University offers **free health services** through health centres under full-time medical officers and

paramedics in each campus.

- 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** – classrooms, library, laboratory, computer labs, seminar halls, office rooms, washrooms, and gender sensitive public spaces, etc., with **differently-abled-friendly** infrastructure.

Approved **IT and ICT policies** ensure efficient utilisation/maintenance of electronic/IT/ICT systems. Vibrant ICT Support Team (over 100) oversees maintenance, upkeep and updation of IT infrastructure, in addition to innovative in-house software development.

Regular **auditing and certification** of developed software by authorised agencies for quality performance, opening up potential solutions for future optimisation, with widespread and proactive use of IT infrastructure.

IT support team ensures uninterrupted file flow administration, online meeting, online admission, online examination, development and maintenance of portals and websites, research portal, LMS, UoK Meet.

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 certificates is widely accessed www.ku.directverify.in

2,30,000 certificates are uploaded in **Digilocker under NAD**

All buildings are connected through 10GBPS Optical fibre cables, LAN enabled, with over 1GBPS 24/7 free Internet and wifi connectivity used by entire campus fraternity. Efficient maintenance of IT/ICT facilities is ensured through AMC and **in-house support** through ticketing system (http://kucc.keralauniversity.ac.in) and a central purchasing system.

University website has huge public demand (8.84 crore hits). Admission, examination and other portals are massively accessed, with real-time monitoring, maintenance and upgradation.

T**hree-tier security system** with separate tiers for Database and Application servers, protected by firewall. Mirror backup facility offers data protection and **disaster recovery plan**. **Three-tier security system for user access**, with radius server for device authentication, active directory server for identity access protection, and virtual LAN for network access. Separate virtual LANs safeguard additional confidentiality and data protection.

Subsidised food and accommodation with 100% capacity utilization of residential facilities. Separate Wardens and Hostel Committees for monitoring and management.

- 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 examination/administration staff (32 vehicles).

Round-the-clock 100-strong Security Wing (under two DySPs), CCTV network and biometric punching system.

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 employers and 12193 job-seekers, with 937 placements during assessment period.

Model Career Centre conducted:

- Career Guidance Programme in Manamboor Grama Panchayat in 2019 for high school students.
- IELTS Aptitude test in collaboration with British Council, Chennai and Awareness Programme regarding vacancies in U.K for nurses
- Training-Cum-Placement Programme for SC/ST/BPL candidates in TCS
- Youth Empowerment Programme, psychometric tests to assess interest, aptitude, ability of school students in Trivandrum

Skilling programme for neo-literates and non-literates (over 10,000 beneficiaries) by JSS

Skilling programme for students by CACEE and ASAP

Robust and transparent systems and procedures are in place for optimum maintenance and ethical utilisation of University's state-of-the-art facilities.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Average percentage of students benefited by scholarships and freeships provided by the institution, Government and non-government agencies (NGOs) during the last five years (other than the students receiving scholarships under the government schemes for reserved categories).

Response: 76

5.1.1.1 **Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)**

2020-21	2019-20	2018-19	2017-18	2016-17
1405	1248	1267	1101	1043

File Description	Document
Upload self attested letter with the list of students sanctioned scholarship	[View Document](#)
Upload any additional information	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Link for additional information	[View Document](#)

5.1.2 Average percentage of students benefited by career counseling and guidance for competitive examinations as offered by the Institution during the last five years.

Response: 91.19

5.1.2.1 **Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
1893	1667	1319	1215	1288

File Description	Document
Institutional data in prescribed format	<u>View Document</u>
Any additional information	<u>View Document</u>
Link for additional information	<u>View Document</u>

5.1.3 Following Capacity development and skills enhancement activities are organised for improving students capability 1. Soft skills 2. Language and communication skills 3. Life skills (Yoga, physical fitness, health and hygiene) 4. Awareness of trends in technology

Response: A. All of the above

File Description	Document
Institutional data in prescribed format	<u>View Document</u>
Any additional information	<u>View Document</u>
Link to Institutional website	<u>View Document</u>
Link for additional information	<u>View Document</u>

5.1.4 The institution adopts the following for redressal of student grievances including sexual harassment and ragging cases 1. Implementation of guidelines of statutory/regulatory bodies
2. Organisation wide awareness and undertakings on policies with zero tolerance
3. Mechanisms for submission of online/offline students' grievances
4. Timely redressal of the grievances through appropriate committees

Response: A. All of the above

File Description	Document
Upload any additional information	<u>View Document</u>
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	<u>View Document</u>
Details of student grievances including sexual harassment and ragging cases	<u>View Document</u>
Link for additional information	<u>View Document</u>

5.2 Student Progression

5.2.1 Average percentage of students qualifying in state/national/ international level examinations during the last five years (eg: IIT-JAM/CLAT/ NET/SLET/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations, etc.)

Response: 25.17

5.2.1.1 **Number of students qualifying in state/ national/ international level examinations (eg: IIT/JAM/ NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations,** *etc.*)**) year-wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
124	169	175	122	88

5.2.1.2 **Number of students appearing in state/ national/ international level examinations (eg: IIT/JAM/ NET / SLET/ GATE/ GMAT/CAT,GRE/ TOEFL/ Civil Services/ State government examinations) year-wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
598	609	527	477	474

File Description	Document
Upload supporting data for the same	[View Document]
Institutional data in prescribed format	[View Document]
Any additional information	[View Document]
Link for additional information	[View Document]

5.2.2 Average percentage of placement of outgoing students during the last five years

Response: 40.07

5.2.2.1 **Number of outgoing students placed year - wise during the last five years.**

2020-21	2019-20	2018-19	2017-18	2016-17
299	316	320	298	254

File Description	Document
Upload any additional information	View Document
Self attested list of students placed	View Document
Institutional data in prescribed format	View Document
Link for additional information	View Document

5.2.3 Percentage of student progression to higher education (previous graduating batch).

Response: 97.24

5.2.3.1 **Number of outgoing student progressing to higher education.**

Response: 915

File Description	Document
Upload supporting data for student/alumni	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document
Link for additional information	View Document

5.3 Student Participation and Activities

5.3.1 Number of awards / medals won by students for outstanding performance in sports / cultural activities at inter-university / state / national / international events (award for a team event should be counted as one) during the last five years.

Response: 616

5.3.1.1 **Number of awards/medals won by students for outstanding performance in sports / cultural activities at inter-university / state / national / international events (award for a team event should be counted as one) year - wise during the last five years.**

2020-21	2019-20	2018-19	2017-18	2016-17
15	199	134	145	123

File Description	Document
Institutional data in prescribed format	[View Document](#)
e-copies of award letters and certificates	[View Document](#)
Any additional information	[View Document](#)
Link for additional information	[View Document](#)

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

Response:

As major stakeholders in higher education, student representation through Student Council is integral to the democratic ideals and functioning of the University. Mandatory students' representation in bodies including Syndicate, Senate, IQAC, ICC, Hostel Monitoring Committee, Hostel Committees and Canteen Advisory Committee ensure participatory democracy[1].

The Kerala University Union, an umbrella association, elected by the Councillors from respective colleges/Departments caters to the welfare of lakhs of students registered under University[2]. The Department of Students Services facilitates the activities of the Student Councils (Total Budgetary Allocation- Rs 7,33,82,000)[3] while lending support to the annual mega University Youth Festival[4]. Unions work seamlessly in an atmosphere of rights consciousness rendered conducive by the University through its expansive welfare measures like Students' Medical and Life Insurance Scheme, Poor Student Scholarship, Talent Awards etc.

Campus Student's Council[5] has two annually elected branches, Kerala University Departments Union (KUDU) and Kerala University Research Students Union (KURSU), together uphold the pillars of democracy on campus, with guidance and support from Faculty Advisors.

Along with deliberative democratic practices, Unions also provide students broad platforms[6] for academic, artistic, sports, career guidance, skill upgradation, and cultural expressions while forging interdisciplinary networks and peer group relationships.

Unions jointly organize a host of events and celebrations that enhance student participation and solidarity, while identifying scintillating talents in arts, sports, culture and literature, showcasing laurels won at University and Inter-University levels.

Programmes[7] 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[8] and pandemic.

Excellent magazines[9] published annually by the Departments' Union attest to the artistic and literary abilities of students. In an exemplary attempt towards social commitment the Union also adopted[10] Govt LP School, Karyavattom (2017-18), reaching out underprivileged students.

Researchers' Union organizes academically driven activities like lectures by eminent scholars, seminars, workshops, training programmes and book publication (a rare feet of 8 books[11] for any Students' Union!). Its interdisciplinary Annual Research Methodology Workshops (7-days) received great appreciation nationwide. The training sessions organized (NET, Civil Service and other Competitive Examinations) were singularly useful to career aspirants. Took leadership initiatives to form student platforms discussing issues in higher education and research.

Prestigious G. Karthikeyan Memorial Prize[12] (2017-18) for the best Students' Union bears testimony to the exemplary performance of the Researchers' Union

https://www.keralauniversity.ac.in/NAAC/C5/5.3.2/Links_for_5.3.2_Presence_of_Student_Council.pdf

File Description	Document
Upload any additional information	View Document
Link for additional information	View Document

5.3.3 Average number of sports and cultural events / competitions organised by the institution per year

Response: 122.4

5.3.3.1 **Number of sports and cultural events / competitions organised by the institution year - wise during the last five years.**

2020-21	2019-20	2018-19	2017-18	2016-17
73	145	121	146	127

File Description	Document
Upload any additional information	[View Document](#)
Report of the event	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Link for additional information	[View Document](#)

5.4 Alumni Engagement

5.4.1 The Alumni Association / Chapters (registered and functional) contributes significantly to the development of the institution through financial and other support services.

Response:

As the mother University of the State, right from its inception in 1937, a long line of illustrious alumni including former Presidents, Union Ministers, Chief Ministers, Reserve Bank Governors, Supreme Court Chief Justices, illustrious artists and scientists, including the likes of Dr. K.R. Narayanan, M.S. Swaminathan, Justice K.G. Balakrishnan, A.K. Antony, Oommen Chandy, Kris Gopalakrishnan, K.J. Yesudas, K.S. Chitra, Mohanlal, Sugathakumari, have significantly contributed to shaping the intellectual lineage of the University.

A global network of alumni has spurred the pooling of resources, leadership and expertise necessary for elevating the institution to new heights of excellence. In tune with the disciplinary aspirations of Departments, a disaggregated alumni structure was envisaged with University of Kerala Alumni Association (UKAA) at the apex, alongside Department-level Associations. UKKA, registered under Travancore-Cochin Literary, Scientific and Charitable Societies Registration Act, 1955 (Reg. No. T 77/2005), facilitates the marshalling of resources with a broader scope and intend.

Alumni extend moral, intellectual and material support in academic and developmental activities. Departmental Alumni Associations have discipline-specific activities, some with official registrations. Currently, the University has a total alumni corpus fund of Rs.10188318/- with a total membership of 11320

Alumni Associations were instrumental in organizing the following:

- **Curriculum Design and Vetting**: Alumni significantly contributed to OBE curriculum revisions, helping frame outcomes in tune with local and global imperatives.
- **Academia-Industry Linkage**: Close collaboration with our alumni through MoUs.
- **Invited talks by illustrious alumni and experts**: Innumerable lectures include those by Kris Gopalakrishnan (Co-founder, Infosys), Dr. Thomas Isaac (then Finance Minister), Prof. S.K.

Satheesh (IISc.), Dr. V.P. Joy (Chief-Secretary), Dr. Sabu Thomas (Vice-Chancellor, MGU), Dr. K. Jayakumar and Jiji Thomson (former Chief-Secretaries), Prof. M. Santosh (Adelaide University), Ambassador T.P. Sreenivasan

- **Mentoring and Start-up** : Alumni supported start-ups on and off campus.
- **Entrepreneurial and Support**: Alumni started enterprise facilitating student employment
- **Internships and Placements:** Alumni mentored M.Tech. project interns[8] with subsequent placement
- **Awards and Fellowships**: A series of alumni instituted Endowments, Awards, commemorating scholarship of eminence while linking individuals with institutional memories.
- **for Infrastructure Development and Students` Welfare:** Installed innovative solid waste processing facility, Water Coolers, Furniture and Library infrastructure
- **Collaborative and Publication**: Alumna-facilitated M.Tech./MPhil/PG projects, with some leading to publication (IGCAR, RRCAT, SCIMST, IISc.). Collaborative research publications with alumni. Annual Newsletters
- Exhaustive online Alumni Directory
- **Seminars, Workshops and Programmes:** 16 CSIR orientation classes. Trainer's Training for student counsellors

·Alumni Supported Professional Associations: Political Scientist Kerala

- **Alumni Funded** Programmes like Prodigy, Cosmet
- **Career Guidance and Mentoring:** Continual investment of time and expertise of alumni for shaping new generation career futures.

In its continuous striving for academic excellence and ethical commitment to society, the University is amply supported and aided by a vast network of past students who were nurtured and groomed by its academic fraternity. The University aspires its alumni to be the wind beneath its wings in its flight towards new horizons of excellence.

https://www.keralauniversity.ac.in/NAAC/C5/5.4.1/541_links.pdf

File Description	Document
Any additional information	[View Document](#)
Link for additional information	[View Document](#)

5.4.2 Alumni contribution during the last five years (INR in Lakhs)		
Response: A. ? 100 Lakhs		

File Description	Document
Any additional information	[View Document](#)
Link for any additional information	[View Document](#)

Criterion 6 - 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 administrative governance.

Response:

University's Vision [1] is reflected in the inscription, *"Karmani Vyajyate Prajna,"* in its logo, meaning 'Knowledge reveals itself through Supreme Action'. Combining tradition with innovation, creativity with critique and compassion, research with ethical entrepreneurship, University aims to cultivate a passion for knowledge that goes beyond disciplinary boundaries. Invested in deep rooted social commitment, it seeks to weave knowledge with compassion, bringing equity, integrity, and sustainability to higher education. Imbibing a cosmopolitan vision, while rooted in regional culture and practices, University fosters an atmosphere of free thought, democratic governance and ethical principles, with a student centric and socially committed educational praxis.

Right from its inception, the University has adhered to its noble vision listed below, as stated in the Travancore University Regulation of 1937:

- *To effect reorganisation of the system of education in the State with a view to the gradual development of technical and technological education.*
- *To make greater and more systematic provision for the furtherance of original research in various branches of science including applied branches and technology.*
- *To cater to the conservation and promotion of Kerala Arts and Culture.*

Reorienting its academic practices and administrative system in tune with the latest technology, University of Kerala has been refashioning itself to suit the demands of the contemporary times.

University's Mission [1] is to create a haven of creative learning, innovative research, and entrepreneurial spirit, by providing wholistic education for all, inculcating the ability for critical thinking and creative enterprise, and infusing knowledge and skill with social and ethical commitment. Through carefully crafted curriculum, and continually updated academic and administrative practices, University moulds students into enlightened global citizens, who combine sensitivity with empathy and conviction to intervene in social issues.

Cutting-edge research with an equal emphasis and interdisciplinary thrust in sciences, social sciences, arts, and culture, while seamlessly weaving innovation with technology, help the University occupy a seminal role in India's booming knowledge economy.

University seeks to create a transformative impact on society through:

- Imparting quality education for all irrespective of their caste, creed, gender, race, and religion.
- Fostering innovative research and critical thinking while catering to the needs of policy makers, entrepreneurs and industry.
- Reinforcing consultancy services through full-fledged Industry tie-up.
- Intervening in social issues while shaping socio-political environment conducive to inclusive,

holistic and sustainable development.
- Ensuring academic autonomy within the framework of the established system for enhancement of quality education.
- Inculcating entrepreneurial spirit in students alongside social aspirations for economically viable start-ups, incubation centres, and enterprises, providing job opportunities and a healthy boost to the economy.
- Contributing to academic and social diversity through multi-lingual, multi-ethnic, and multi-racial campus.
- Disseminating eco-friendly practices.
- Promoting transparency and social accountability.

Proactive University Acts, Statutes and Ordinances [2] are formulated integrating the University's Vision and Mission. University's administration is in complete sync with its Acts and Statutes with all academic and administrative bodies constituted in tune with the same. Good governance is enabled through efficient, transparent, democratic, and participative management, with strategic planning and decentralized decision making.

File Description	Document
Any additional information	[View Document](#)
Link for additional information	[View Document](#)

6.1.2 The effective leadership is reflected in various institutional practices such as decentralization and participative management.

Response:

University has an august leadership under His Excellency Governor of Kerala as Chancellor, along-with Hon'ble Minister for Higher Education as Pro-Chancellor, with Vice-Chancellor, Pro-Vice Chancellor, Senate, Syndicate, Academic Council, and Statutory Officers offering institutional leadership, complying with the Acts, Statutes, Ordinances and Regulations.

Dynamic and proactive Academic and Administrative Headship under the Vice-Chancellor assisted by the Pro-Vice-Chancellor steers the University. Decentralized functioning[Figure-1] is ensured with Executive Headship vested on Registrar, assisted by Joint/Deputy/Assistant Registrars. Efficient Examination and Finance wings function under Controller of Examinations and Finance Officer respectively. Planning and Development, and Research and Extension are strengthened under separate Directorates. Director, College Development Council supports Affiliated Colleges. Campus Director co-ordinates academic and development activities on Campus.

- Highest levels of participative management, particularly of students, is ensured in **Senate**[5], **the highest decision-making body**, with wide representation of all stakeholders/fields including academics, People's representatives, Government Secretaries/Officials, and luminaries from diverse fields. **Act-&-Statutes**[2]
- **Syndicate**[4], **the Chief Executive Body,** ensures diversity and inclusivity, with guaranteed

representation of students and marginalized sections of society. Various Sub-Committees of Syndicate meet frequently to consider items related to academic and administrative activities and make recommendations to be placed in the Syndicate chaired by Vice-Chancellor.

- **Academic Council**[6] **makes regulations and advises the Senate and the Syndicate on all academic matters**.
- Academic Council, with its vast spectrum of inclusive representation, consists of all Syndicate Members, Deans and HoDs, elected Teachers, Students, Government representatives, etc. **Act**[3]. Academic autonomy is ensured in all 43 Teaching Departments functioning under 11 Schools with 16 Faculties, through a decentralized three-tier system- with **Department Council, CSS Academic Committee, and Academic Council**, which for colleges would be through- **Boards of Study, Faculty, and Academic Council**.
- **CSS Academic Committee**[7] is chaired by Vice-Chancellor, with members: Pro-Vice-Chancellor, Member Syndicate, Deans(3), HoDs(3), and Teachers(3), with Vice-Chairperson (Professor).
- **Department Council** comprises of all teaching faculty with HoD (Chairperson), which steers student centric and grass root level academic and administrative activities. **Headship rotation** every three years ensures Departmental participatory democracy.
- **Schools**[8] are in place to promote interdisciplinary linkages and programmes. Each **School** (Departments of related disciplines) has a **School Council** with Director (Professor), members: Dean, HoDs and Teacher representatives.
- **Faculties**[2] have Deans as Chairpersons, Boards of Study Chairs and nominated experts.
- **Boards of Study (UG&PG)**[2] for each discipline incorporate external experts to enhance participative academic democracy.
- Doctoral research activities from registration to culmination is conducted under the aegis of doctoral committee (discipline-wise approved Research Supervisors).
- Internal quality assurance system functions under the **IQAC** in a totally participative decentralized model where statutory officers, students, teachers, alumni, and employers collectively engage in promoting quality services.
- Grievance redressal mechanism ensures adoption of a transparent, student-friendly approach in all systemic functions of the University. Students' participation, social justice, and equity are ensured through **Students Grievance Cell, ICC, OBC Cell, Minority Cell, Gender Justice Forum, Hostel Monitoring Committee, Canteen Committee**, etc.
- Participation from industry is ensured through Centre for Academic and Industrial collaboration and skill enhancement through Finishing School.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

6.2 Strategy Development and Deployment

6.2.1 The institutional Strategic plan is effectively deployed.

Response:

University's strategic plans in the past were founded on its shared values of social inclusivity, in harmonious sync with its vision and mission, while ethically committed to a transformative student learning experience. The last lap of the 20th century witnessed momentous academic achievements, with the addition of new Departments and innovative programmes, in response to the challenges of new scientific and technological shifts in the global arena. 1995 witnessed the University accelerating its tryst with academic innovation by launching Departments like Optoelectronics, Biotechnology, Environmental Science, while simultaneously being the first University in the State to embrace Credit and Semester System (CSS). This ushered sea changes in academic ambience, deeply appreciated by NAAC Peer team (2015) whose inputs for betterment became a catalyst for its new multipronged transformative strategic plans.

One of the activities foundational to the strategic plan has been the **highly successful CSS**, where University capitalised on its academic strength, technological innovation, and digital expertise, in carrying CSS's professed goals of vertical and horizontal student mobility, further enabled through effective e-governance.

Currently, the hallmark of a vibrant CSS is the fundamental rethink that addresses disruptive content and learning practices, with a host of innovative academic programmes (14) like, Data Science, Artificial Intelligence, Renewable Energy, Space Physics, Global Business Operations, Kerala Studies, West Asian Studies.

A fast-track administrative system, with CSS Academic Committee (CSSAC)[7] chaired by Vice-Chancellor where Department-Council's recommendations are discussed for approval. Quality systems and practices in place by streamlining administrative mechanisms, bringing IQAC Director into CSSAC, and ensuring student representation in CSS Grievance Committee.

Core strength of CSS:

- **100% academic autonomy to Departments** for both curriculum development and Continuous Assessment, with provisions for vetting by experts from industry, R&D, peer-groups, parents, and alumni, resulting in an academic ecosystem conducive to students' career development, entrepreneurship, and placement.
- Wide choice of Core Courses, Discipline-specific Electives and Generic Courses for multidisciplinary learning.
- **Basket of Credit (227 Generic Courses)** offers wide ranging choice for students across disciplines.
- Dynamic, student-friendly, interactive, **CSS Website** [9] with enhanced support for foreign students.
- Promotes **inventive cutting-edge courses with focus on live research-problems** giving full choice to students.
- Academic flexibility for innovative courses as projects/dissertations with one-year/semester industry/R&D resident programmes, combining cutting-edge research experience with employability.
- Online single window system and revised common entrance examination with standardised ranking system.
- 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 teacher-training and

support.

- In-house Moodle-based **Learning Management System**[10] with intensive workshops.
- 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 State and outside.

Systematic and strategic implementation of the CSS programmes alongside academic and infrastructural expansion, multidisciplinary praxis, incorporating a futuristic curriculum have been instrumental in taking the University to new heights of excellence as evinced by higher international/national rankings.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)
Strategic Plan and deployment documents on the website	[View Document](#)

6.2.2 The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment, service rules and procedures, etc.

Response:

A Public University with well-defined organisational structure and hierarchy, complying with University Act (formulation: Legislative Assembly), Statutes, Ordinances (formulation: Syndicate/Senate), Regulations (formulation: Academic Council), Kerala State Service Rules (KSSR), and UGC Regulations[2].

Senate, Syndicate, Academic Council, Faculties, Boards of Study, constituted as per **Act and Statutes**[2] ensure wide representation from stakeholders, implementing policy decisions through participative democratic practices instilling values of social inclusivity and equity, incorporating creative and critical debates. Statutory Officials' roles and duties as per Act.

Specific Policies for action and transformation include:

- **Appointment of Statutory Officers** governed by Act, and UGC Regulations.
- Open and transparent processes of a**ppointment of Faculty** by University in compliance with UGC Regulations, and Government Reservation Policy (85 teacher-recruits 2015-20).
- Time-bound Faculty promotion (CAS) as per UGC Regulations.
- A**ppointment of non-teaching staff** through PSC (994 during the period) following Government Reservation Policy. Time-bound promotions as per KSSR.
- *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, Workshops** on **OBE,** and Quality in teaching-learning and administration.
- **Orientation/IT-based/administrative training** for administrative staff.
- **Periodic training** on use of library resources.
- **Admission Policy:** Transparent **Single window national level** admission through **Common Entrance Examination** following **Reservation Policy**.
- Supernumerary seats for outside-State students, Armed Forces, Transgenders.
- Supernumerary seats for **international students** through **Centre for Global Academics**.
- **Interdisciplinary studies** with enhanced student mobility. Link
- **Extension and Institutional Social Responsibility Policy[11]**: Adoption of villages and schools, riverbank protection, career support, palliative care, blood donation, coastal bio-shield, water recharging, Kargil Vijay Divas celebration with IAF, Flood and Pandemic Relief (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 services with stakeholders (generated- Rs. 3.8 Crores).
- **Gender Policy**[11]**: Gender-inclusive, Transgender-sensitive campus** enshrining values of equal opportunities, gender justice, equality, and dignity, with women outnumbering men among students and staff (Students-72%, Faculty-37% and Staff-62%).
- **Green Charter**[11] for plastic-free, clean energy, **eco-sustainable green** campus with bicycles, steel utensils, battery powered vehicles, energy audits, water conservation, eco practices, etc.
- **Innovation-friendly IP Policy**[11]: Financial support for publication, patent filing and maintenance, Research/Achievements Awards, technology transfer and MoUs.
- **Innovation and Student Start-up Policy**[11]**:** Financial support and mentoring for start-up and business incubation (83 start-ups).
- **IT Policy and Open-Source Policy**[11]: Stellar IT performance integrating Open-Source software to all possible digital infrastructure.
- **Quality Policy**[11]**:** Quality mandate in academic and administrative rubrics through proactive IQAC leadership.
- **Policy on Creating & Enhancing Infrastructure**[11] facilitates creation, enhancement and maintenance of infrastructure implemented through Engineering wing. Instrumentation Engineer oversees certification of specification, upkeep of equipment, and managing e-waste.
- **Anti-Plagiarism and Ethics Policy**[11]:
  - Mandatory plagiarism checks and certification in all academic and research activities, with robust writing practices through software like Grammarly, Ouriginal, and I-thenticate.
  - Mandatory clearance from **University Ethics Committee** for human subject research.
  - Mandatory clearance from **Institutional Animal Ethics Committee** for animal research. Link
- **Right to Service Act** for timely delivery and exactness of action.

File Description	Document
Any additional information	[View Document](#)
Link to Organogram of the University webpage	[View Document](#)
Link for Additional Information	[View Document](#)

6.2.3 Institution Implements e-governance covering following areas of operation

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

Response: A. All of the above

File Description	Document
Screen shots of user interfaces	[View Document](#)
ERP (Enterprise Resource Planning) Document	[View Document](#)
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	[View Document](#)
Any additional information	[View Document](#)
Link for additional information	[View Document](#)

6.3 Faculty Empowerment Strategies

6.3.1 The institution has a performance appraisal system, promotional avenues and effective welfare measures for teaching and non-teaching staff .

Response:

As a Public University in a media-saturated society mindful social scrutiny steers it in an ethical course of action. University ensures a happy workplace with proper hiring practices and clear work-expectations, creating a conducive environment premised on staff welfare. University ensures various avenues for work-fulfilment, career, intellectual and professional development, with financial and health security. Performance Appraisal for teachers for CAS promotion is based on API score (UGC Regulations). IQAC considers applications from eligible Faculty and verification and recommendations are made and forwards to the Office of the Vice-Chancellor for placement before the Screening/Selection Committee as mandated by UGC. 112 Faculty were promoted during 2015-20. Incentivised structure for the career advancement with Start-up grant as Seed money for research, institutional research projects, financial support for publication and patenting, travel grant for international/national paper presentations are in place.

University's Quarterly Performance Reports submitted to Honourable Chancellor, Annual and Segmented Reports submitted to UGC and Kerala State Higher Education Council. Honourable Chancellor convenes periodic assessment meetings with Vice-Chancellor. Overall performance of the University is assessed through Chancellor's Award with the University bagging the first award in 2015.

Departmental level tests conducted by KPSC is mandatory for Grade promotion for non-teaching staff and time-bound promotions are ensured. Vertical upward mobility up to Joint Registrar, with no glass ceiling within the organisational structure.

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, Playground)
- 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 farming
- 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 complementarities and interdependencies.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

6.3.2 Average percentage of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the last five years.

Response: 27.92

6.3.2.1 **Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
44	34	85	91	87

File Description	Document
Details of teachers provided with financial support to attend conferences, workshops etc. during the last five years (Data Template)	[View Document](#)
Link for Additional Information	[View Document](#)

Other Upload Files	
1	[View Document](#)

6.3.3 Average number of professional development / administrative training Programmes organized by the institution for teaching and non-teaching staff during the last five years.

Response: 41.6

6.3.3.1 **Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff year-wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
37	49	41	42	39

File Description	Document
Reports of the Human Resource Development Centres (UGC ASC or other relevant centres)	[View Document](#)
Reports of Academic Staff College or similar centers	[View Document](#)
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	[View Document](#)
Link for Additional Information	[View Document](#)

6.3.4 Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course).

Response: 21.44

6.3.4.1 **Total number of teachers attending professional development Programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes year wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
188	18	30	26	25

File Description	Document
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	[View Document]
IQAC report summary	[View Document]
Details of teachers attending professional development Programmes during the last five years (Data Template)	[View Document]
Link for Additional Information	[View Document]

6.4 Financial Management and Resource Mobilization

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

Response:

University is deeply committed to mobilizing resources for better fulfilment of its Vision and Mission, forging sensitive and socially committed policies that engender equity and inclusion. Mobilization and utilization of funds is framed with objectives of optimal social justice.

Government is the major source of grants for the University (Non-Plan outlay- Rs. 1764 Crores, and Plan outlay- Rs. 73.81 Crores), besides UGC. University submitted Detailed Project Report for infrastructure augmentation to the tune of **Rs. 322.6 Crores** to **KIIFB-Government of Kerala**[doc2]. University succeeded in obtaining administrative sanction for Rs. 150 Crores in two phases. Similarly, University garnered Rs. 20 Crores from **RUSA**. Utilized Rs.2.97 Crores (UGC-grant) for construction of students' hostel[doc3].

Faculty members submit research proposals to various funding agencies under different schemes and were successful in mobilizing funds to the tune of Rs. 45.66 Crores. Departments are motivated to submit proposals for funding under DST-FIST, UGC-SAP, ICSSR, KSCSTE, for research and infrastructure (Rs. 394 Lakhs). University's potential to generate funds (as evinced by whopping 22 SAP/FIST Departments in 2009-14) could not materialise since 2015 due to faculty crunch owing to retirements and recruitment ban and pending Government clearance for post creation. However, strategic planning has resulted in 69 faculty recruits which will enable the University to garner more funds under such schemes.

2015-20 witnessed significant increase in University's efforts to mobilize resources from research projects(Rs.5825 Lakhs), funds from industries, consultancies, endowments (Rs.21.13 Lakhs), tuition fee, University service fee, student service fee, admission registration fee, Department Development Fund (DDF), affiliation fee, rent from University facilities, library usage fee, alumni support, etc., along with an **annual 5% hike in fees**. University has internally generated a hefty amount of Rs. 600.58 Crores.

Awards for teachers based on research funding, and performance, augmented seed money for projects, University initiated research projects, infrastructural support, global networking, and timely promotions, have impelled new funding and research aspirations. Liaison Officer at Delhi and an internal Nodal Officer strategizes linkages with funding agencies, hoping to significantly enhance the current faculty generated funding.

Departments[18] share their expertise and facilities to generate funds under DDF (Rs. 353.54731 Lakhs), utilized (Rs. 317.87519 Lakhs) internally for augmenting Departmental infrastructure.

University's proactive Consultancy Policy[12] has garnered funds to the tune of Rs. 3.8 Crores.

A substantial Rs. 70 Crores (2015-20) was generated through Distance Education[19].

University mobilized substantial funds (PURSE grant-7.57 Crores, UGC-SAP-1.61 Crores, etc.) utilized for research infrastructure augmentation.

Alumni Associations[20] generate considerable funds available for the benefit of the student community.

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 Lakh/annum, and implementing water conservation reducing water bill.

Centre for Global Academics facilitates admission for foreign students[21] which generates additional revenue.

Publication Department[22] generates revenue (Rs 1.38 Crores) through the sale of University publications.

Effective utilization of funds is ensured through three-tier audit system (University, Local Fund, AG), mandatory Utilization Certificates, monitoring by Standing Committee of Syndicate on Finance.

File Description	Document
Link for Additional Information	[View Document](#)

6.4.2 Funds / Grants received from government bodies during the last five years for development and maintenance of infrastructure (not covered under Criteria III and V) (INR in Lakhs).

Response: 15299.66

6.4.2.1 *Total Funds / Grants received from government bodies for development and maintenance of infrastructure (not covered under Criteria III and V) year wise during the last five years (INR in Lakhs).*

2020-21	2019-20	2018-19	2017-18	2016-17
15016.61822	9.26667	174.45452	37.00336	62.3178

File Description	Document
Details of Funds / Grants received from government bodies during the last five years (Data Template)	View Document
Any additional information	View Document
Annual statements of accounts	View Document
Link for Additional Information	View Document

6.4.3 Funds / Grants received from non-government bodies, individuals, philanthropists during the last five years (not covered in Criterion III and V) (INR in Lakhs)

Response: 667.17

6.4.3.1 Total Grants received from non-government bodies, individuals, Philanthropers year wise during the last five years (INR in Lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
112.27876	374.0897	28.98532	53.36635	98.4453

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document
Annual statements of accounts	View Document
Link for Additional Information	View Document

6.4.4 Institution conducts internal and external financial audits regularly

Response:

University holds itself accountable to a larger society through a robust mechanism of both internal and external audits for the effective and efficient use of financial resources, ensuring transparency, and financial discipline. Reliability and integrity of financial management is safeguarded through a strong Finance wing under Finance Officer (FO), in charge of Financial Planning, Accounts and Audits. Finance

wing comprises of Sections such as: Finance, Audit, Out-Audit, Revenue Audit, Accounts, Cash, NPS Cell, Finance-IT Cell, and Finance-Inspection wing. All inflow and outflow of funds sanctioned by Vice-Chancellor is routed through FO. University is on the path to fully-automated digital transaction system ensuring heightened efficiency, transparency and access. All financial transactions are in strict compliance with **Kerala Financial Code**[13], and **Store Purchase Manual**[14].

To ensure financial accountability, Annual Accounts and Reports on Utilization of Funds are rigorously scrutinised by internal and external audits.

Internal Audit mechanism to conduct **Pre-audit** improves performance and safeguards best use of financial resources. Major objective is to point out and rectify defects in the initial phase of spending. Provisional advances for smooth, timely and efficient implementation of projects, are granted to be settled/regularised, within a stipulated time.

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

Audit objections raised at the different levels of audit are cleared on a time bound basis, fixing responsibility and ensuring corrective action.

Heightened accountability is ensured through re-scrutinizing financial transactions prior to retirement of an official, for fixing liability if any.

In the case of externally funded research projects, audits complying with parameters mandated by funding agencies are in place.

A two-tier external audit is conducted by Kerala State Audit Department (KSAD), and Accountant General (AG), with the former given permanent office space inside University. KSAD audit team (18 officials) under a Joint Director, conducts audits on a concurrent basis. Sanction and utilization of funds are annually audited, and audit queries are submitted to University for clarifications/redressals/rectifications. The final Audit Report submitted to Government is forwarded to University and placed before Syndicate and Senate for approval. The consolidated reply to the queries will be forwarded to KSAD for final consideration and clearance. Final audit comments will be forwarded to Government to be placed before the Legislative Assembly (LA). Committee on Local Fund Accounts of LA considers this report and University is bound to offer further clarifications for clearing audit comments. Final decisions of the Committee are binding.

Accountant General further undertakes a **supplementary audit** of annual accounts. Audit team issues initial audit enquiries for clarifications and remarks from University, and a draft report is to be submitted to University for further clarifications and remarks. After considering the reply, AG will forward the final report to Government to be placed before LA. Further to rectifications and comments from University, unsettled defects will be placed before the **Public Accounts Committee** of LA, whose decision is binding.

Thus, a vast, comprehensive, and effective accountability structure ensures ethical, responsible, and sound financial transaction and governance.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

6.5 Internal Quality Assurance System

6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes by constantly reviewing the teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals.

Response:

IQAC is integral to University's culture of quality through a tireless process of continuous monitoring and improvement. A dynamic steering committee under Vice-Chancellor, with student representatives and strong support team ensure efficient functioning[11].

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 Department levels imparting motivational inputs, interdisciplinarity, and micro-level familiarization, culminate in two flagship programmes. '**Travel through Nobel Winners**' has helped students embark on intellectual journeys motivated by 'life and works of Nobel winners'. '**Meet the Scholar**' provides an interactive platform for motivational learning, inculcating life lessons and best practices in research.

Open-campus **Sastrayan**, and **Science Week Celebrations,** showcasing lectures of eminence, exhibitions, and laboratory visits resulted in three-minutes video presentations by researchers foregrounding innovativeness and research relevance.

Inputs from such programmes helped reformulate the Research Policy resulting in global visibility and greater influx of foreign students.

Initiatives of IQAC led to a rise in number of **Business Incubation and start-ups**(83).

Inputs from such interactions have enriched academic content and teaching learning process.

Several training programmes for teachers and students with the objective of institutionalizing best quality practices.

In addition, a series of audits on Gender, Environment, Energy, and Academic have been implemented to address emerging challenges.

2. Training and Development Initiatives

IQAC constantly assesses and reviews outcomes from teaching- learning processes and implements

strategies, and reforms. **Periodic Review Meetings** for:

- 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 assessed through internal Audits and Reviews, while examining opportunities and challenges in terms of emerging policy changes. **Departmental Academic Audit** is the key review process. **Periodic University Level Audit** of resources and support mechanisms initiate corrective steps through training, development, and policy reforms.

Audit inputs were integrated with national OBE framework, initiating massive training, culminating in comprehensive curriculum revision.

In a quest to upskill and augment industry readiness, programmes were conducted under Finishing School, Placement Cell, KUBIIC, and ASAP finding success in enhanced student placement.

Best practices from global/national level policy changes in higher Education incorporated into teaching-learning and research processes through Faculty training and workshops integrating national policies, with sessions on:

- 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 assessment period enabled several affiliating colleges to reach new levels of excellence in teaching and learning.

IQAC Director's seminal role as trainer under NAAC's PARAMARSH offered support to 7 unaccredited colleges through training sessions, in addition to IQAC-support to 14 other colleges for NAAC accreditation.

IQAC supported State-level faculty-training initiatives of Higher Education Council and SLQAC.

IQAC's training and development support were integral to institutionalizing University Research Policy, CSS Regulations, and formation of a Research Council blending teaching, learning and research activities.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.5.2 Institution has adopted the following for Quality assurance 1. Academic Administrative Audit (AAA) and follow up action taken 2.Confernces, Seminars, Workshops on quality conducted 3. Collaborative quality initiatives with other institution(s) 4.Orientation programme on quality issues for teachers and students 5. Participation in NIRF 6.Any other quality audit recognized by state, national or international agencies (ISO Certification, NBA).

Response: A. Any 5 or more of the above

File Description	Document
Upload e-copies of the accreditations and certifications	View Document
Upload details of Quality assurance initiatives of the institution (Data Template)	View Document
Any additional information	View Document
Link for Additional Information	View Document
Paste web link of Annual reports of University	View Document

6.5.3 Incremental improvements made for the preceding five years with regard to quality (in case of first cycle), Post accreditation quality initiatives (second and subsequent cycles).

Response:

University is deeply committed to creating an ecosystem conducive to quality use of resources, competencies and facilities. Academic and administrative quality enhancement initiatives are:

Enhancing Staff Strength

85 new teacher-recruits (regular), 994 non-teaching staffs (regular), Ad-hoc appointments including Teachers(98), Scientific Assistants, Library Assistants, Engineers, Overseer, Technicians, and Programmers, augmenting knowledge and expertise base. Timely Faculty and non-teaching staff promotions incentivized quality.

Academic Initiatives

- 14 new PG Programmes including Renewable Energy, Data Science, Artificial Intelligence, Global Business Operations, Space Physics
- 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])/Departmental laboratories
- Library resources including e-resources (Rs. 22.5015 Crores) with digital networking[24]
- 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 Personnel.
  - Launching of CSS Website.
  - Introduction of Research Ethics in PhD Course work
- Membership under NAD and uploading of Digitized Certificates and Mark sheets with the digi-locker.
- Formation of Research Directorate with focus on Research processes with technology support
- 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 wing
- Collaborations for research and development through MOUs
- Workshops and training programs for students and research scholars on career building and skilling

- Online Curriculum Feedback system from stake holders
- Massive improvement in infrastructure, classrooms, seminar halls, hostel, student amenity services
- Achievements in University ranking (NIRF, Times Higher Educational Survey, Chancellor's Award)
- Accreditation support for unaccredited colleges through training sessions and NAAC workshops
- 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 planning
- 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 transforming Kerala into a knowledge base, prioritized in terms of transformative value and possible implementation.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Measures initiated by the Institution for the promotion of gender equity during the last five years.

Response:

A robust Gender Policy put in place in the State with thehighest female literacy, has resulted in a gender inclusive campus ensuring gender justice, equality, dignity and self-respect.

Upholding transparency, social accountability, and democratic practicesprevents glass ceiling for women, ensuring maximum female participation in curricular and co-curricular activities. Currently 9 Faculty Deans, 4 School Directors and 2 Syndicate Members are women.That 72.66% of the total students and 62.37% of the staff are women stand testimony, to University'sgender just, equitable,and ethical modes of education.

Gender equity and equal opportunity are ensured through:

Gender Audits revealing highly favourable gender indices, PG-77%, M.Phil.-78% and Ph.D.-64%. Women bagged a commendable (69%, 639) (data for five years) of the total PhD's awarded during 2016-2021[1].

- Allocation of fellowships minimises dropout rates.
- Female academic mobility through an inter-university transfer for women PhD candidates.
- Whooping number of PDFs are women.
- Committed to the cause of **transgender justice**, offering 100% admission (supernumerary) with hostel facilities[2].

Academic Initiatives

- Gender concerns are integral to the curriculum, with many departments offering core, elective and generic courses.
- 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 around interdisciplinary studies in gender and sexuality[4].
- Fulbright-NehruProfessional Excellence Award in Women's Studies.
- Two Fulbright Doctoral Awards in Women Studies.
- Received Kairali (Government) Post-Doctoral Research Award for gender studies.
- Extended library access till midnight.
- Significant research publications on gender issues in international Journals.
- 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 sensitization (budget-Rs.7.5 lakhs).

- Gender sensitization sessions in Induction programmes.
- Novel programmeto prevent child sexual abuse, while supportingand reintegrating young girls at Government Nirbhaya Shelter homes
- 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 Harassment.
- Centre for Women's studies with budgetary support, organises Gender Sensitization Campaigns with Orientation Programmes on **"Know Your Rights on Campus"**, for girl students.
- 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 Breast Cancer Awareness Month
- 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 inclusivity, justice and equal opportunity for all women across class and creed.

File Description	Document
Specific facilities provided for women in terms of: a.Safety and security b. Counselling c. Common Rooms d. Day care center for young children e. Any other relevant information	View Document
Annual gender sensitization action plan	View Document

7.1.2 The Institution has facilities for alternate sources of energy and energy conservation measures

1. **Solar energy**
2. **Biogas plant**
3. **Wheeling to the Grid**
4. **Sensor-based energy conservation**
5. **Use of LED bulbs/ power efficient equipment**

Response: A. 4 or All of the above

File Description	Document
Geotagged Photographs	[View Document](#)
Any other relevant information	[View Document](#)

7.1.3 Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 500 words)

- **Solid waste management**
- **Liquid waste management**
- **Biomedical waste management**
- **E-waste management**
- **Waste recycling system**
- **Hazardous chemicals and radioactive waste management**

Response:

Deep commitment to sustainability and environment management is ingrained in the University's vision. University's Green Charter envisages the principles and practices for sustainable development, especially the 6R's viz., Reduce, Reuse, Recycle, Refuse, Rethink, and Respect.

A three-tier waste management system is in place, with waste segregation at source into degradable and non-degradable waste, centralized collection at assigned points, and sustainable waste disposal. Special treatment strategies are adopted for chemicals and hazardous waste. E-waste is collected and disposed of as per government guidelines.

A comprehensive and sustainable waste management mechanism in association with Thiruvananthapuram Corporation and Kerala Shuchitwa Mission is on the anvil.

Solid waste management

- Implemented plastic-free protocol, having done away with the use of disposable cups, mineral water bottles, and plastic containers. Steel plates and glasses for use during programs are mandated.
- Spreading the message to neighborhood communities, 3500 steel plates and glasses each were donated through NSS to Thiruvananthapuram Corporationduring 'Attukal Ponkala' to minimize plastic waste in the city.
- 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 presented plastic waste management perspectives, exhorting students to act as agents of change.
- Three Bins (green, yellow, blue) are customary to collect segregated waste.
- Installation of sanitary napkin incinerators.
- Biogas plants are installed in quarters and hostels as alternative energy and for effective management of food waste.
- DDFS and e-governance have substantially reduced paper waste.

Liquid waste management

- An experimental model of "Constructed Wetland" is created to treat wastewater using indigenous plants.

- Surplus runoff water is naturally filtered and collected in the Hymavathy pond.

- Sanitary sewage is biologically treated for gardening purposes with enhanced programs in the pipeline in collaboration with Shuchitwa Mission.

- Wastewater is used for drip irrigation in the hanging garden.

E-Waste Management

- University joins hands with the Government for E-waste clearance. De-commissioned instruments, computers, and other electrical wastes are properly collected for disposal after due certification and handed over to the designated agency.

Waste recycling system

- Hydroponic systems, that recycle dissolved Nitrogen and Phosphorus wastes generated in the aquaculture systems, sustainably use this for growing vegetables.

- High throughput recirculatory aquaculture facility, which recycles one lakh liters of water, is installed with the support of the National Fisheries Development Board and CUSAT

- Paper recycling unit and facility for producing value-added products are installed for utilizing waste paper, including expired answer scripts, with the help of Kudumbasree.

Hazardous - waste management

- University is ethically committed to minimizing the production of hazardous waste while putting into practice appropriate norms for its disposal and management.

- Hazardous Waste in the form of used chemicals from laboratories is diluted many times, neutralized, and disposed of carefully.

- University signed an agreement with M/s Kerala Enviro Infrastructure Limited, for hazardous waste management.

University has exemplarily pitched itself to the sustainability of recycling economics, minimizing its carbon footprints to the lowest denominators.

File Description	Document
Relevant documents like agreements/MoUs with Government and other approved agencies	[View Document](#)
Geotagged photographs of the facilities	[View Document](#)
Any other relevant information	[View Document](#)

7.1.4 Water conservation facilities available in the Institution:

1. **Rain water harvesting**
2. **Borewell /Open well recharge**
3. **Construction of tanks and bunds**
4. **Waste water recycling**
5. **Maintenance of water bodies and distribution system in the campus**

Response: A. Any 4 or all of the above

File Description	Document
Geotagged photographs / videos of the facilities	[View Document](#)
Any other relevant information	[View Document](#)

7.1.5 Green campus initiatives include:

1. **Restricted entry of automobiles**
2. **Use of Bicycles/ Battery powered vehicles**
3. **Pedestrian Friendly pathways**
4. **Ban on use of Plastic**
5. **landscaping with trees and plants**

Response: Any 4 or All of the above

File Description	Document
Various policy documents / decisions circulated for implementation	[View Document](#)
Geotagged photos / videos of the facilities	[View Document](#)
Any other relevant documents	[View Document](#)

7.1.6 Quality audits on environment and energy are regularly undertaken by the Institution and any

awards received for such green campus initiatives:

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

Response: A. Any 4 or all of the above

File Description	Document
Reports on environment and energy audits submitted by the auditing agency	[View Document](#)
Certification by the auditing agency	[View Document](#)
Certificates of the awards received	[View Document](#)
Any other relevant information	[View Document](#)

7.1.7 The Institution has disabled-friendly, barrier free environment

1. **Built environment with ramps/lifts for easy access to classrooms.**
2. **Divyangjan friendly washrooms**
3. **Signage including tactile path, lights, display boards and signposts**
4. **Assistive technology and facilities for Divyangjan accessible website, screen-reading software, mechanized equipment**
5. **Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading**

Response: A. Any 4 or all of the above

File Description	Document
Policy documents and information brochures on the support to be provided	[View Document](#)
Geotagged photographs / videos of the facilities	[View Document](#)
Details of the Software procured for providing the assistance	[View Document](#)
Any other relevant information	[View Document](#)

7.1.8 Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 500 words).

Response:

University functions as a hub of academic, cultural and sports activities in the State, weaving cultural integration, religious harmony, linguistic diversity and social inclusivity into the fabric of its academic interventions.

Harmonious ecosystem celebrating festivities of variant demographics, including linguistic and ethnic minorities, underlined by a culture of tolerance, and empathy, where Onam is celebrated with the same pomp as Christmas, Ramzan, Eid, Pongal, Diwali, Holi, Dussehra etc.

University Youth Festivals have been instrumental in nurturing talents, where eminent artists in the country, such as K.J.Yesudas, K.S.Chitra, Adoor Gopalakrishnan, Mohanlal have been prodigies of the University. Music Department has made significant contributions to Kerala's cultural heritage while nurturing an inclusive environment of diverse musical traditions.

Commemorating the art of world-renowned painter, Raja Ravi Varma Centre of Excellence for Visual Arts has created new paradigms of socio-political impact of visual arts through two post-graduate programmes, embedded in local and wider communities and cultures.

Art and culture societies like Dhamini have made the campus a rich ensemble of diverse celebrations.

Centre for Performing Arts is a unique attempt at integrating diverse art forms while creating space for production and education in art forms. **Travelling Theatre** on Kerala's exemplary reform movements and eminent reformers like **Sree Narayana Guru, Mahatma Ayyankali,** along with plays on **Anti-dowry and Domestic Violence** have raised public consciousness on socio-economic issues.

Significant contributions to State's transnational eminence in sports, moulding many Olympians and national champions.

Yeoman's service to linguistic diversity, evinced by a plethora of language departments like Malayalam, Arabic, Tamil, Russian, German, Sanskrit, English, Hindi and Centre for Endangered Languages of Kerala.

Departments of Islamic History, Philosophy, and Centres for Vedanta Studies and Christian Study stand testimony to University's culture of religious tolerance and intercultural philosophic debates.

In the disaster hit Pettimudi, Centre for Dravidian Cultural Studies initiated course on Functional Malayalam for Tamil minority students in an attempt at social-reintegration.

Theoretically rigorous and socially committed, inclusive researches on diverse areas of social responsibility are undertaken by Sree Narayana Centre for Social Change, Dr.B.R. Ambedkar Chair, Mahatma Ayyankali Chair, Centre for Agroeconomic and Public polls, Inter University Centre for Alternative Economics, Centre for Rural Studies.

India's ancient wisdom is inscribed in multiple volumes of palmyra manuscripts and archaic books at **Oriental Manuscript Library**, contributing to diverse knowledge systems, integrating traditionand modernity.

Economic and social inclusivity is ensured through 100% research fellowships, publication and travel grants.

Deeply social interventionist strategies geared towardsre-inculcating those marginalised from formal educational platforms are put in practice through **Centre for Adult and Continuing Education.**

Social inclusivity initiatives for neo and non-literates in Trivandrum Districtis undertaken through Union Government's **Jan Shikshan Sansthan.**

Centre for Global Academics promotes inter-cultural and inter-institutional interactions, including foreign students' welfare, creating an atmosphere of vibrant intersectionality.

Equal Opportunity Cell, University Employment Information and Career Guidance Bureau, Business Innovation and Incubation Centre, Finishing School, Placement Cell, Marxian Study Centre etc are novel interventions of the University towards socio-economic transformations.

File Description	Document
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	[View Document](#)
Any other relevant information	[View Document](#)

7.1.9 Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens (within 500 words).

Response:

"Karmani Vyajyathe Prajna" (Wisdom Manifests in Action) as inscribed in the University's emblem impels one to highest thought and deed.

University's vision and mission are seeped in values of secularism, social justice and constitutional morality, recognising social plurality and diversity. A democratic and inclusive campus ensuring justice, equity and access to all.

Students' induction programmes for moulding responsible citizens, who combine empathy with ethics in responding to social issues. Specific sessions by eminent scholars on civic values, rights, duties and responsibilities.

Observance of national days of importance is underscored by oaths and anthems of allegiance to the nation, upholding constitutional values of secularism and non-violence by the students and employees.

Periodic amendments of Statutes Ordinance and Regulation in conformity with the constitutional amendments regarding reservation, protection of vulnerable and marginalized communities

Orientation programmes conducted for teachers by UGC-HRDC of the University of Kerala includes sessions on human rights, women empowerment, constitutional values, communal harmony, patriotism, environmental consciousness, best use of resources etc.

- National integration camp under the aegis of NSS(350 students)
- Implementation of Right to Service Act guaranteeing time-bound service to stakeholders
- RTI training to all employees
- Professional training to employees include the development of democratic values, vocational efficiency, social output, citizen responsibilities and public grievance redressal
- Special induction for teacher recruit on professionalism, harmonious personality, ethical standards, research aptitude, human values and social responsibilities
- Professional training to teachers on quality enhancement leading to optimum social output
- Promoting Gandhian values through commemorative events
- Commemorative **lamp lighting,** and essay **competition** on **"Gandhi and Me"** on Mahatma's 150th birth anniversary
- Diploma programme, and certificate courses in **Human Rights** (Dr B.R.Ambedkar Chair)
- M.Phil. programme in **Human Rights**(Law Department)
- Generic course on **Human Rights** to the PG students (Education Department)
- Workshops led by eminent jurists on Trend Setting Judicial Decisions and Evolution of ConstitutionalPrinciples, Uniqueness of the Constitution of India, Constitutionalism and Religious freedom
- Significant programmes throwing light on judicial trends, the evolution of constitutional principles and insight into a common man's perspective of the constitution, invoking a sense of patriotism
- Lectures on Human rights and ethical issues in Gene Designing and new technologies
- Environmental sensitization through Green Charter
- Gender Justice forum

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

- Travelling Theatre on Anti-dowry and Domestic violence
- National Seminar

- "Philosophy in Kerala Ideologies and Social Revelations"
- "Contemporary Relevance of Social Ethics"

- "Neural Correlates of Consciousness: Philosophical and Scientific Perspectives"

- National Workshop

- Sexual Harassment- Prevention, Prohibition and Redressal.
- Constitution of India
- Human Rights dimensions of Intellectual Property Rights

- ICPR programmes
    - "Epistemological Dimensions of Philosophy Cyber Ethics Problems and Prospects".
    - "Teaching of Philosophy in India – Inclusive of Tribal Culture"

- World Philosophy Day Celebration
- Constitution Day celebration
- Eye and Blood donation camps and campaigns
- International Aids Day Exhibition
- Social Workday Celebration.
- Celebrating Mathrubhasha Diwas

University thus strives to create a microcosm of a harmonised Indian nation.

7.1.10 The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard.

1. **The Code of Conduct is displayed on the website**
2. **There is a committee to monitor adherence to the Code of Conduct**
3. **Institution organizes professional ethics programmes for students, teachers, administrators and other staff**
4. **Annual awareness programmes on Code of Conduct are organized**

Response: A. All of the above

File Description	Document
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	View Document
Code of ethics policy document	View Document
Any other relevant information	View Document

7.1.11 Institution celebrates / organizes national and international commemorative days, events and festivals (within 500 words).

Response:

University strives to integrate a culture of national integrity, seamlessly weaving territorial distinctiveness into national identity. Value-based quality education, nurturing qualities of patriotism, fraternity, social and environmental consciousness, gender sensitization among many others is thus part of the commemorative events celebrated on campus. University cherishes national pride amongststudents and employees, celebrating and observing various international, national, and regional days of importance.

- National
    - **Independence Day and Republic Day** Nationalflaghoisting, messages, patriotic songs, sweetsdistribution,Quiz, Essay/Slogan/Poem writing,Pencil drawing competitions
    - Commemoration of **Kargil Vijay Diwas**in association with Indian Air Force inaugurated by His Excellency Governor of Kerala in the presence of Hon'ble Higher Education Minister,

Air Officer Commanding-in-Chief, Additional Chief Secretary to Governmentand many luminaries, in a gala function with an august audience (over 2500 defence personnel, NCC cadets, students and staff). (link) The event garnered great recognition for its decorum and grandeur, gaining letter of appreciation from the Air Officer Commanding-in-Chief
- KargilWar heroes memoirs/narratives/talks by eminent soldiers in departments
- **Martyr's Day**
- **Rashtriya Ekta Diwas** National Pledge/ patriotic videoscreening/National Anthem
- **Constitution Day -**Oaths of allegiance to constitution
- **Sadbhavana Diwas -**Communal harmony and National integrity pledge
- **Dandi MarchDay -**National integration songs/Quizzes.
- **Gandhi Jayanthi celebrations**reigniting Gandhi smriti /cleaning drive
- Three-day **Residential Camp** (200 participants) on '**Relevance of Gandhian Secularism in Contemporary World'**
- Three- day **National Integration Camp** (350pan-Indianstudents)
- **Swachh Bharat Abhiyan**week 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 Videos
    Popular Science WritingWorkshop
    Open labs
    Exhibitions

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 offering "Panchagavyam" to trees
- **World Ocean Day**- Neighbourhood beach Clean-up drive

- **World Wetland Day -** seminars/workshops.
    - **Energy Day**seminars/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 nation, celebrating patriotism in all its cultural diversity.

File Description	Document
Geotagged photographs of some of the events	View Document
Any other relevant information	View Document
Annual report of the celebrations and commemorative events for the last five years	View Document

7.2 Best Practices

7.2.1 Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

Response:

Best Practice: 1

1. Title of the Practice

Promoting Research through Qualitative Assessment of Research Outcomes

2. Objectives of the Practice

- Consolidate its historical legacy of academic and research excellence in the new millennium
- Striving for global eminence with local relevance
- Promoting Qualitative research through incentives/awards/support interventions
- Cutting-edge Science research with equal thrust on Arts, Social Sciences and Humanities
- 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, ethnic knowledge, geo-politics, and socio-cultural economy
- Research policy in tune with the demands of the knowledge economy with regular assessment of research outcomes

3. The Context

As a Public University in the lap of a global biodiversity hot spot, a cradle of speciation with a diverse flora of unexplored medicinal significance, alongside a dense population in a fragile ecosystem prone to multiple natural disasters, commitment to socially relevant bio-ethical research, striving towards sustainable contributions to environment and biodiversity conservation.

In a multicultural and multi-ethnic State with high Human Development Indices, yet with industrial and agricultural limitations, significantly high inward/outward migration rates with phenomenal NRI remittances, hundred percent literacy with very high female literacy, severe unemployment/under-employment, ageing in a high-density population, etc., University has pioneered research programmes in addressing these socio-economic imbalances.

Strategically located amidst 26 R&D institutions of national eminence, University has carved a niche for itself through forging academic bonds through collaborative research.

University functions as a catalyst of change, in such a complex and diverse society, augmenting progress towards a knowledge society.

4. The Practice

Research excellence through constant assessments of periodic outputs, applications, Intellectual property created, and socially driven research praxis.

Eclectic and dynamic Annual Assessment Practices with Research Colloquiums, Open House, Local body/Industry linkages, etc. Sound 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/window solar concentrator.
  - 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/ethanol)
  - Effective utilization of diesel soot.
- **Security:**
  - In-house designed remote monitoring system for fishing vessels using GPS/GPRS-based Security Registration Board.
- **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:**

- o Public Environmental/ Educational Research App.
- o Palm-leaf manuscript preservation/digitization
- **Biotechnological:**

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

Promotional Measures

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

5. Evidence of Success

Socially useful, high community impact, futuristic and scientifically rigorous research practices have led to the following outcome:

- Documentation and conservation of medicinal and endangered plants including 'Arogyapacha'
- Upliftment of society through academic interventions and social self-reflexivity in academia.
- Research infrastructural augmentation with setting up of state-of-art laboratories including CLIF
- Design and fabrication of the Security Registration Board with GPS/GPRS networking resulted in two technology transfers to Govt. of Kerala (Centre for Development of Imaging Technology) and implementing the same in over 2000 seagoing vessels in Kerala coast (Rs. 3.6 crores), a revolutionary 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, solar cells, pharmaceutical molecules, cosmetics, nutraceuticals, diagnostic tools, etc has been developed with potential for technological/commercial/social applications.
- Enlightenment, upliftment, and social amelioration of linguistic minorities/vulnerable margins/tribal/gender/Dalit population.
- High-end publications, patents, standard books/reports, awards, and appreciations contribute to intellectual capital of the society

These results indicate a social transformation facilitating the State's transition to the knowledge economy. Significant improvement in the ranking profile of the University, both in national and global scenarios bears testimony to the successful implementation.

6. Problems Encountered and Resources Required

Serious impediments in the path of research and extension due to unprecedented recurrence of natural disasters and pandemics.

Constraints:

- Accessibility constraints in reaching research stations
- Absence of 100% residential campus
- Risk in sampling-
    - Nonavailability of adequate sample
    - Inability to access appropriate sample
    - Human/animal ethics clearance delays
- 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 charges for publication in open access mode (high-end journals)
- Lack of adequate digital literacy and access among marginals
- Monetary constraints for translating innovative research into practice and products
- Lack of high-end training in specialized areas
- Funding limitations curtailing academic mobility

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

7. Notes (Optional)

Following best practices on assessment of research outcomes, extensive incentives provided to promote research and creation of intellectual property can be adopted by other institutions:

- Annual research awards for teachers
- Performance award for teachers
- Distinguished PDFs
- Annual Research awards for the Department
- Financial support for filing and maintaining patents
- Publication grant
- Free access to digital resources
- Research fellowships for all scholars
- Opportunity to collaborate with Research institutions
- Research Council
- Induction program for Teacher recruits
- Specialized training in the use of sophisticated instruments
- Quality performance enhancement training to Teachers
- Open house and Science week to showcase socially relevant research outcomes
- Start-up research grants for research guides
- Open access to video lectures
- Three-level induction programs

This research ecosystem impelled by social inclusivity and justice can be emulated by others.

Best Practice 2

1. Title of the Practice:

Environmentally Sustainable Responsible Green Campus

2. Objectives of the Practice

What are the objectives / intended outcomes of this "best practice" and what are the underlying principles or concepts of this practice (in about 100 words)?

- Nurturing a model sustainable eco-friendly campus
- Conserving *in situ/ex-situ* biodiversity
- Providing organic green lungs to the neighborhood
- Promoting organic farming for food security
- Practice water conservation and management
- Eco-friendly land-use practices
- Optimum waste management and recycle economy
- Sustainable green energy practices
- Adopting Green consumption protocol with plastic-free campus
- Promoting green technology driven Start-up culture
- Facilitating Green transport systems
- Promoting carbon-neutral technologies/practices
- Minimizing carbon footprints
- Promoting Green pedagogy
- Promoting sustainable aquaculture

3. The Context

University strives to be a model biodiversity niche amidst unprecedented urbanization, high-density population, depleting agriculture, fragile environment, disaster-prone ecosystems, climate crisis, need for alternative energy, water scarcity, and unethical land-use practices.

It seeks to address the crises of modern consumer societies, with their indiscriminate use of pesticides, pandemic/disaster-induced food scarcity, abandoning and depletion of water bodies, conversion of agricultural land for commercial purpose, the explosion of non-biodegradable waste with unscientific management practices.

Amidst the rising incidence of lifestyle diseases, University needs to offer a serene haven of tranquillity within the rising buzz of the city, securing safe and congenial living spaces with sustainable and organic models of food production and consumption.

In the context of the need for enhancing air quality in Thiruvananthapuram due to increasing environmental pollution, University rises up to its social obligation by offering green lungs to the city.

4**. The Practice**

Nurturing an expansive lush green biodiversity heritage, promoting sustainable development, and addressing social demands through:

- Unique Green Charter

  - Plastic-free campus
  - Recycle economy
  - Indigenous fruit-bearing trees replacing Acacia
  - Eco-friendly green practices

- **Sustainable Food Security/Nurturing Agrarian Culture**
- Harithalayam: Novel sustainable food initiative addressing pandemic-induced livelihood crisis
- Reviving paddy cultivation (10 acres)
- Coconut groves (1000 saplings).
- Greening the campus (20,000 indigenous fruit trees)
- Banana plantation (520 saplings)
- Vegetable orchard (1.4 tons organic yield)
- Tuber crop cultivation
- Pisciculture (200kg periodic yield)
- Apiculture
- 1000 Teak saplings
- Students' Agricultural Fellowship
- Model Miyawaki forests creating urban biodiversity corridors
- Andaman Nicobar Plant Conservatory(5 acres)
- Centre for Biodiversity Conservation for Germplasm conservation of Western-Ghats.
- Seed Bank for Rare, Endangered and Threatened(RET) medicinal plants (Kerala State Medicinal Plant Board funded)
- Vegetable Seed Bank(Kerala Biodiversity Board funded)
- Tulsivanam and Star gardens (medicinal plant conservation)
- Special gardens:
  - Sensory Garden
  - Butterfly garden
  - Healing Garden- 'Viridescent Haven'
  - Vertical garden
  - Terrariums, Kokkedama
- **Digital garden**: Digitisation of floristic diversity
- **Waste management**
  - Segregation/collection/disposal
  - Aerobic microbial composting
  - Biogas plants
  - Incinerators
  - Aquaponics
  - Box-type Constructed Wetland (wastewater treatment)
  - Recirculatory aquaculture facility (1,00,000 litre)
  - Water recycling/drip irrigation
  - Bhoomitrasena-Nature club
- Energy audit
- Green Audit

- Renewable Energy
    - Centre for Renewable Energy for research and academic initiatives
    - Greening through Research

- Prolific research on Solar Cells/Super Capacitors
- Generation of electrical energy and Hydrogen from microbial fuel cells

- Energy Conservation

- Wheeling to the grid –

- 100KW solar power plant at Kariavattom campus (Rs.1 crore project with ANERT).
- 85KW Solar Plant at Palayam (Smart City Thiruvananthapuram Ltd.)
- 5KW inverter type Solar power plant at Palayam

- Energy Efficiency Enhancement Measures

- Switching over to LED and energy-efficient fans
- Use of five-star inverter Air Conditioners
- Optimum Power Consumption Policy

- Battery car/ Electric scooter/ Bicycles

- **Sustainable Water Management**

- Rainwater Harvesting-

- Rooftop rainwater harvesting
- Recharge to groundwater after filtration

- Rejuvenation of abandoned ponds and wells
- Construction of large diameter recharge wells
- Management of seepage water for agriculture
- Rejuvenation of a traditional 'Vaalkinar'(wells)
- Conservation of water bodies

- Observation of major environmental and biodiversity days
- Campus cleaning drives
- Green pedagogy

- Four PG Programmes
- A phenomenal number of courses fostering critical environmental consciousness
- Workshops/seminars

5. **Evidence of Success**

Carved a vibrant and variant biodiversity niche in the middle of urban sprawl, creating a green haven of serene tranquillity in the capital city. Following achievements bear testimony to the consistency and

efficiency of the green initiatives:

- Appreciation from Chief Minister of Kerala on the Harithalayam project
- Delivered 4 tons of 'Manuratna' paddy seeds to Kerala Agricultural University through the Harithalayam project.
- Enhanced organic food yield (Vegetable-1400Kg, Fish-200Kg)
- 'A' grade certificate for a green audit conducted by Haritakeralam Mission, Government of Kerala
- Successful monitoring of microclimate through On-campus Weather Station
- Periodic internal and external environment audit
- A weather station on the campus
- Considerable reduction in electricity and water bills through energy and water conservation interventions.
- 6,91,282 KWh electrical energy generated and transferred to grid so far
- Perennial water bodies on campus
- A thriving and harmonious ecosystem with 177 plant,95 bird,12 reptile and 45 insect species, and numerous species of butterflies, dragonflies, honeybees, frogs, tortoise, fish, Asian palm cats, peacocks, monkeys, wild boar, fox, porcupines, etc
- Invasive species replaced with indigenous fruit-bearing trees on a massive scale
- Cooler and cleaner air on campus
- Environmental consciousness among students with flex-free

6. Problems Encountered and Resources Required

Unexpected natural disaster due to climate change

Wild boar and rodent attacks on crops

Instant soil erosion due to uprooting of Acacia

Pandemic induced impediments on the campus for the efficient execution of the project

File Description	Document
Best practices in the Institutional web site	[View Document](#)
Any other relevant information	[View Document](#)

7.3 Institutional Distinctiveness

7.3.1 Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Response:

Title: 'Quality Education with Compassion' for Social Transformation

Dharma of a Public University in a neo-liberal age is the enlightenment of an entire society, **instilling values of compassion, empathy, justice and inclusivity** into the very fabric of education. University's **Vision and Mission** are crafted in tune with this noble commitment, impelling **knowledge generation, dissemination, research and extension** towards higher goals resulting in a constant thriving for global eminence and social transformation.

- **Conducive ecosystem for Vulnerable Margins**

A deep-seated commitment to socially vulnerable groups with a diverse ecosystem ensuring inclusivity and access, both in admissions and appointments. Alongside a staunch adherence to State reservation policy, a moral and ethical commitment to uplifting social sections marginalized by class/caste/religion/gender/sexuality/creed/region/disability/digital divide drives all academic endeavours.

- **Poverty**

- Addressing poverty and inequality and thereby attracting the poor/marginalised through 100% fellowships to researchers
- 50% BPL reservation in hostels

- **Caste/Religion**
- SC/ST/OEC students receive fellowships
- SC/ST/Minority/OBC cells for addressing problems of marginalised
- Hostel accommodation for 100% SC/ST women students and 30% seats for SC/ST men students
  - **Women/Gender**
- 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 certificate
- Effective grievance redressal mechanisms through Internal Complaints Committee (ICC)
- Night-walk to end women discrimination
- Efficient and active Centre for Women's Studies
- Women Empowerment

- Self-Defence Training Programme
- Legal awareness on Women's rights
- She-Policing
- Gender Sensitisation Campaign
- Women's experimental theatre (Sthree Nadaka Kalari)
  - **Region/ Language**

- Functional Malayalam courses for disaster-hit Pettimudi Tamil minority community
- Mangrove afforestation for coastal protection
- Riverbank protection through afforestation
  - **Barrier-free Divyangjan friendly environment**

- Physically/Visually challenged teachers, administrative staff, students in the campus
- Inclusive Library access
- **Exclusive Library Resource Centre for** Print Disabled (blind/dyslexic/autistic etc). **10 lakhs internationally accessible** audio-books (through World's biggest online Accessible library 'B**ook Share.org)**
- **Assistive Technologies**

  - Non-visual desktops
  - Talk-back mobile App
  - Digital Braille Reader
  - KIBO-XS (real-time reading/translation)
  - Sign-boards
  - Blind Smart-sticks
  - Wheelchairs
  - Ramps
  - Lifts

- Sensitization programmes
- Workshops (**Use of Audio-books)**for librarians/stakeholders
- **Counselling/sensitization** through the centre for Learning Disabilities
- Success stories:

  - Visually impaired M.A. student, Gokul cleared   Civil Service Examinations, 2020 and 2021
  - Physically challenged MTech student (novelist)S.B.Sethu (Mob:9809979873), commendable dissertation with Bhatnagar-Awardee   Prof.S.K.Sathish, IISc, Bangalore
  - Wheel-chair bound, V.Sharada Devi (Opinion leader on Divyangjan issues, Mob:9497454552), completed M.A., MPhil., pursuing PhD. (UGC-JRF)
  - Visually impaired M.A student Abdul Munaz (Mob:9895969976), Member, Indian Blind Cricket Team/Vice-Captain, Kerala Team
  - Physically challenged R.Jayakumar (Mob: 9447713320) attained PhD (Kerala State Best College Teacher Awardee)
    - **Digital divide**

- Smartphones and Televisions (31 +) to needy
- Laptop for all SC/ST students

- **Research**
    - **Funding**

- 100% fellowships to researchers (over Rs. 26 crores during the assessment period)
- Support for patenting/projects/seminars
- Publication/Travel grants
- Start-up grant (seed money) to Faculty-recruits
- Research Project funding for teachers

  - **Awards/Incentives**
  - Academic Excellence Award for teachers
  - Research Grant Awards for teachers

- ○ Research Award for Department
  - ○ **Environment**

- Seed-Banks for medicinal plants and vegetables
- Germplasm conservatory for Andaman Nicobar flora
- Medicinal Gardens
- Digitisation of plants and Herbarium
- Centre for Biodiversity Conservation
  - ○ **Infrastructure**

- State-of-Art CLIF
- Mammoth library/digital repositories
- 24x7 free wi-fi campus
  - ○ **Renewable energy**

- High-end research for alternative energy
- Dedicated Centre for Renewable Energy
  - ○ **Start-up Ecosystem**

- Transforming research outcomes into viable application formats (89 start-ups)

- **Social Transformation Interventions**
  - ○ High-end research supporting social transformation
  - ○ Research beyond academia supporting UN SDG
  - ○ **Village/School Adoption**

- Ambalathinkara Hamlet-support for health/education/renovation of well/food-kits
- Amboori: Rain-water harvesting/awareness programmes
  - ○ Water harvesting at Karakulam
  - ○ Tutoring/mentoring/career counselling(GLPS Karyavattom)

- ○ **Community Outreach**
  - ○ Rs.6.62 crores to Chief Minister's Distress Relief Fund for floods/pandemic
  - ○ Rs.51.83 lakhs towards Government's Vaccine-Challenge
  - ○ Rs 10.41 crores towards Government's Salary Challenge for flood relief
  - ○ Indoor-gardens for cancer patients at RCC
  - ○ Butterfly-gardens for schools
  - ○ Tutoring/career counselling for school children
  - ○ Massive donation of flood-relief materials
  - ○ Student volunteering during floods/pandemic
  - ○ Popular articles for social awakening
- ○ **Livelihood training through JSS**(~3,000 neo-literates/non-literates per year)
- ○ **Palliative-Care**

- "Kaithang" involves students in action research
- Palliative-care initiatives
  - ○ **Students' Insurance Scheme**(Rs.5 lakh for deceased/Rs.1 lakh for treatment)
  - ○ **Geriatric-care through NSS and Centre for Geriatric Studies**

- ○ **Blood-donation -** 3,500 blood units through NSS
- **Food security through Harithalayam.**
- Paddy
- Vegetable
- Fruits
- Tubers
- Fish
- Coconut
- Honey
- Cashewnuts
  - ○ **KU Padasala educational video-repository for** public access (700 videos)
  - ○ **Tribal medical camps**
- **Lifelong learning through:**
  - ○ Distance Learning
  - ○ Skill Enhancement
    - ○ Behavioural
    - ○ Yoga
    - ○ Career/Employment
  - ○ Women empowerment
- **Unique ORI manuscript Library:** Rare traditional knowledge preservation for posterity

- **Counselling -Public**
  - ○ Psychological
  - ○ Philosophical
  - ○ COVID-counselling clinic
- **Kerala-Specific Studies**
  - ○ **Malayalam Lexicon** for language heritage
  - ○ **International Centre for Sree Narayana Guru Studies-** popularising renaissance values
  - ○ **Mahatma Ayyankali Chair-** caste amelioration
  - ○ Kerala School of Cultural Studies
- **Art and Culture**
  - ○ Raja Ravi Varma Centre of Excellence for Visual Arts
  - ○ Centre for Performing and Visual Arts

- **National Integration**
  - ○ Kargil Vijay-Diwas
  - ○ Additional seats for Defence personnel
  - ○ Dr Ambedkar Chair- Human Rights/Constitutional Values awareness
  - ○ Multi-ethnic/multi-religious/multi-cultural campus
    - ○ Philosophical Study Centres
      - ○ Christian Study Centre
      - ○ Vedanta Centre
      - ○ Islamic Studies
      - ○ Department of Philosophy
      - ○ Marxian Studies

- Blending Indian/foreign languages
  - ○ Malayalam

- Hindi
- Tamil
- Sanskrit
- Russian
- German
- Arabic
- English

- **Human Values**
  - Wagon theatre popularising teachings of Great social reformers:
    - Sree Narayana Guru
    - Mahatma Ayyankali.

- Nehru Study Centre
- Centre for Gandhian Studies

- **Inclusive Decentralized Services**
  - University Extension Centres
  - State-wide examination centres including Lakshadweep during COVID
- **Socio-Economic audits** on gender, energy, biodiversity, environment and water
- **Academic Audit**
- **Open House**
  - Shastrayaan/Science-week showcasing research strength/outputs and popularisations
- **Observatory:** A unique astronomical observatory
- Peaceful and harmonious campus life

Thriving and sustainable research ecosystem in a pristine and constantly replenished biodiversity niche, with ethical academia that ensures social justice, inclusivity, and transparency, resulting in one of the most socially-oriented Public Universities in the nation, one that renders stellar services towards seamless transformation into a knowledge economy, a University with a futuristic social vision.

File Description	Document
Any other relevant information	[View Document]
Appropriate web in the Institutional website	[View Document]

5. CONCLUSION

Additional Information :

University proposes to add nine new specialized teaching and research departments in 2021 in addition to the 43 existing departments, viz:

1. Communication Science and Electronics
2. Artificial Intelligence and Robotics
3. Data Science
4. Functional Organic Materials
5. Oceanography and Blue Economy
6. Renewable Energy
7. Integrative Biology
8. Atmospheric Science
9. Design

During the year we have added three innovative PG programme in Data Science, Blue Economy and International Relations and Diplomacy.

As far as infrastructure is concerned, we have added three additional conference/seminar halls- C. V. Raman Hall, Sreenivasa Ramanujan Hall and Janakiyammal Hall as part of CLIF. Installation of a mega water tank, foundation stone for new International Student's Hostel and School of Communication and Information Science, inauguration of Centre for Latin American Studies. Automation of library services through Radio Frequency Identification (RFID), Kerala University Knowledge Library and Resource Centre for visually challenged users are other projects of 2021. Carbon-free campus project initiated through launching of battery cars and use of bicycles were initiated during the current year.

University's flagship programme - Meet the Scholar and Travel through Nobel Winners programmes, attracted eminent scholars like Prof. Martin Chalfie (Nobel Laureate-Chemistry 2008), Prof. Roald Hoffmann (Nobel laureate in Chemistry), Padmasree Dipankar Banerjee, globally renowned magician Sri. Gopinadh Muthucad, in 2021.

Kerala University Business Incubation and Innovation Centre (KUBIIC) distributed start up grants to 78 students in 2021. Enhancing student endowments and forging MoUs for mutually beneficial collaborations were unique additions in the current year.

University proposes to have additional skill based courses as part of its under graduate programme for affiliated colleges. The IQAC has rendered extensive support for HEIs in their quality promotion initiatives, including support under NAAC Paramarsh.

Extensive support for students and the society under the Covid-19 pandemic are features where our social commitment was visible – counseling for students with the services of clinical psychologist, digital resource support including smart phones and televisions for poor needy students, decentralized conduct of examinations, special research projects on rebuilding Kerala and providing flood relief materials for the needy are a few to name.

Concluding Remarks :

University, with its legacy of academic excellence and visionary zeal offers quality education with compassion for social transformation as its forte.

Chartered a Road Map for the future with wisdom garnered from accreditation/ranking frameworks, alongside self-reflexive performance ratings of the University during the assessment period.

University stands high with over 3,000 publications, 936 books, 8858 citations.

Univesrity h-index -33 and 50% of the scinece faculty have index >10 with highest of 62

University is on a dedicated march towards a Centre of Excellence with global standards within a time line of five years.

At the core of our developmental agenda is a vibrant critical mass of faculty, researchers and students, drawn from across the world, with talent and potential to excel in combining knowledge with deep human values. The most 'up-to-the-minute curriculum', state-of-the-art infrastructure replete with libraries and laboratories, constantly upgraded and upscaled, would be seminal to the University's dreams for the future.

Future Plan of Action envisages:

- 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 global practices.
- 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 academic outcomes measured in terms of making life worth living while addressing social deprivation. Strategic Plans for transformational policies:

- 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 where innovative research would meet the best in human values and ethical social praxis, with high 'Happiness Index' and the motto 'Dreaming global rooted in the local'.

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification
1.2.2	**Percentage of Programmes in which Choice Based Credit System (CBCS) / elective course system has been implemented (Data for the latest completed academic year).** 1.2.2.1. **Number of Programmes in which CBCS / Elective course system implemented.** Answer before DVV Verification : 64 Answer after DVV Verification: 64
2.1.2	**Average percentage of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per applicable reservation policy during the last five years** **(Excluding Supernumerary Seats)** 2.1.2.1. **Number of actual students admitted from the reserved categories year wise during last five years** Answer before DVV Verification: <table><tr><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td><td>2016-17</td></tr><tr><td>538</td><td>420</td><td>372</td><td>316</td><td>325</td></tr></table> Answer After DVV Verification : <table><tr><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td><td>2016-17</td></tr><tr><td>519</td><td>431</td><td>372</td><td>295</td><td>319</td></tr></table> Remark : Values as per data provided
3.3.2	**Number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR),entrepreneurship, skill development during the last five years.** 3.3.2.1. **Total number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR),entrepreneurship, skill development year-wise during the last five years.** Answer before DVV Verification: <table><tr><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td><td>2016-17</td></tr><tr><td>37</td><td>29</td><td>27</td><td>35</td><td>23</td></tr></table> Answer After DVV Verification : <table><tr><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td><td>2016-17</td></tr><tr><td>34</td><td>28</td><td>27</td><td>35</td><td>23</td></tr></table>

3.3.3	**Number of awards / recognitions received for research/innovations by the institution / teachers / research scholars / students during the last five years.**
	3.3.3.1. **Total number of awards / recognitions received for *research /* innovations won by institution / teachers / research scholars / students year-wise during the last five years.**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
39	29	40	24	19

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
33	22	22	18	17

Remark : Data as provided by HEI excluding best paper award and oral presentations

2.Extended Profile Deviations

Extended Profile Deviations
No Deviations