

BUDGET SPEECH 2022-23

Honourable Chairman, respected Members,

Nature is the holy river of knowledge. Though it is so, many of the recent questions of the modern times are from where we can find inspiration. One should have the vision and not just eyesight. Insight will be the most important need.

“Should need eyes on both sides

Should need eyes on top and bottom

There should be insight, an eye that does not dim

Which burns inside the ordinary eye.”

Most of us believe that we acquire many things because of luck. Many of those who are highly educated also believe this. The truth is that sometimes it may happen so. The greatest thing is selfless actions. As actions become stronger and stronger, the result will be better and stronger. It will provide great results, awakenings and memories too. Our conscience develops on actions. “Karmani Vyjyathe Prajnha,” our motto tells about the wise and judicious use of selfless actions in joining the broken, healing the sick, to do actions selflessly during troubles. Let us look at a honeybee or a butterfly. They will always remind you about the necessity of doing selfless effort consistently. The heirs of the Earth cannot be lazy; else they simply cannot sit like that. Just like the poet’s comment, “I just can’t sit and not bloom on.”

This is an unprecedented age. The time refers to the necessity of doubling the light and essence of humanity in the search for knowledge. Together we have come out of the devastating effects of COVID-19. Even those who believed that they were invincible had to come out of their glasshouses. We can truly say in all due respects that Kerala has become the synonym for facing the disaster together by watching over each other’s souls. The dreary lives of the ordinary citizens were well moistened by the unprecedented acts of welfare by the Government of Kerala also. Though the state had to traverse through adverse situations, which had been raining incessantly, the people’s Government was able to preserve and keep in motion the various fields of governance including that of higher education. It is truly historical as our state was able to overcome all those adversities by writing down newer and newer sagas of survival. The secular spirit of renaissance that started in Kerala’s conscience is developing to higher realms in its historical sojourn. The academic freedom of our classrooms, autonomy, technological laurels, the inversions with traditional class rooms are to be evaluated with due

importance regarding our educational system. The syllabi and the curriculum require to be reformed. A total transformation of the complete curriculum, making it modern and completely human oriented in all the branches of studies. Intellectual actions regarding the same needs to be initiated. A new knowledge system breaking the traditional system is the necessity of the hour. We should have a practical higher education system that is both career oriented and sustainable. That will be oriented on the future of the generations and will be a current of energy for the society. A grand forward march is required in this field. Kerala should transform itself to be a grand source of enlightened education. Leaving the limitations of technicalities, we should hold hand in hand with the great institutions across the globe. We should change our Universities too. It is not a small matter that the University of Oxford had a great role in developing the vaccine for COVID-19. This should be a grand sight. The University of Kerala is also in the same pace of development by approving continued and continuous research on newer and newer fields.

The chemistry of community development is dependent upon imbibing education, which is by understanding, knowing the soil on which the smell and spirit of the land. If we aim at profits alone the human face of knowledge will be much distorted. The sorrows of the peasants in the current Indian scenario too are behind this understanding. Developing a society that understands and finds answers to such sorrows is another aim of higher education. It is desirable to develop learning and research programmes based on our own resources and it should be aimed at the future. This new programmes should not be focussed on the existing systems instead it should be aimed at the new developments in the science and technological sector. If we aim our development based only on the development in science and technology only, it cannot rightly guide the development of the country in the right direction. It might be on the period where technological mastery was not correct that we might have given birth to the age-old saying as 'you can't have your cake and eat it too.' Then it was not possible. Now both are easily done as humankind has reached to such levels of technical mastery. Universities should foster research and learning techniques to use such new knowledge. The new technological development and traditional knowledge should be developed side by side. Then only the University can do justice to the times. Language, literature, arts, science, humanities, commerce, technologies all comes under one umbrella in the University. They will be preserved and researched and new ideals will be built in here.

This will be the meeting place of generations where human necessities will be discussed and remedies will be sought. The search here will be to perfect the future generations and ourselves. Hence, it is highly important how well we can make such instances of new ventures possible.

In conclusion, what is required is to have a field of higher education that is inclusive of all the above-mentioned mutually agreeing fields. It should be well noticed that the University of Kerala aims its learning and research programmes in this direction. That becomes the reason how the first and the mother of all Universities in Kerala is able to stand apart of all other Universities in the coveted 27th position among the Universities all over India.

University of Kerala is in the winds of great change. New policies of great depth are being implemented in the academic and research fields. Nine new generation courses and ten new departments are to bring a large awakening in the field of academics. The appointments were made on sure merit. Theatre classrooms and smart classrooms were set up in the forty-three teaching departments at an expense of rupees 9.5 Crores. Along with it the development of the physical infrastructure of the departments, the compound wall for the campus, development of the library and laboratory facilities, new hostels, academic blocks, student life cycle management system for the smooth conduct of exams, K U Padasala, palliative care activities, arts and sports activities were given special representation. Training programmes for teachers and non-teaching staff, a separate directorate for research, online portal for research, carbon free campus, and totally safe drinking water plan are some of the examples of the academic and physical development that is happening in the University.

Along with these facilities new building for the Department of Biotechnology, new museum building for Department of Aquatic Biology, fourth floor extension of the Women's Hostel, new building for the Biodiversity Centre, first floor extension for the Department of Nanoscience and Nanotechnology, new building for the Department of Environmental Sciences, three new seminar halls at CLIF, Bachelors' Hostel, extension block for the Department of Archaeology, museum for the Department of Geology, ONV building housing the School of Indian Languages had been completed at the Kariavattom campus. In the Palayam campus, fourth floor extension for SDE building, extension building for the University library, K. R. Narayanan Student Amenities Centre, indoor court, new building for the examination wing, and new building for canteen had been

completed. Along with these, more projects are nearing completion. Platinum Jubilee Multi Purpose EMS Hall, new building for the Department of Journalism, ICCR Student Hostel, Staff Quarters, Microwave Material Lab for the Department of Physics, extension building for the Department of Demography, laboratory for the Department of Biochemistry, rebuilding the Animal House, new classrooms for the Departments of Maths and Statistics, new buildings for IMK and the Department of Renewable Energy and the Indoor Training Hall are at various stages of completion at the Kariavattom campus. All together 287110 sq.ft physical facilities worth around rupees 100 Crores have been developed. Many new renovations are taking place in the University library and the Campus library. The recent project 'One University One Library' is a comprehensive plan of the same grounds.

The People's Government of Kerala is working hand in hand with the University of Kerala by granting rupees 88 Crores for establishing Dr. ThanuPadmanabhan Centre of Astronomy and Astrophysics. The Finance Minister had given assurance in the last budget that the Government is with the University's change. Through the budget, he had endowed great vistas of change to the university. This has in turn changed the development of the University of Kerala proactive to the Kerala society and to the developing boom of change in the higher educational development in the Kerala society. The budget of the Government of Kerala is aimed at making Higher Education useful for the Kerala Society. The Knowledge economy is to be strengthened to increase the state's value added production and internal income. We have to move to a knowledge society. The budget is full of such projects aimed at the same goal. Translation Research Centre, Chief Minister's Nava Kerala Post Doctoral Fellowships, 1500 hostel rooms, 250 international hostel rooms, start-ups, commissions for path breaking innovations in the Higher Education sector, financial aid to the Latin American and Biodiversity centres of the University, participation in the Kerala Genome Data Centre which is rupees 50 Crores mega project of the Government, 229 talented students of the University were awarded with rupees one lakh worth Chief Minister's Prathibha Puraskaram. This prize was awarded for 1000 students in total. We are witnessing great changes in the field of Higher Education with industrial units with colleges, start-ups, and skill parks in five districts in association under the leadership of ASAP, Skill Development Courses and Short Term Courses and PG courses along with policies for developing interests in

agriculture for college students and also building solar roofs for Higher Education institutions.

The importance given to Higher Education is marvellous. Our University has been awarded through the KIIFB scheme a Research and Development Centre worth rupees 15.23 Crores, boys' hostel with a strength of 130 inmates worth rupees 10.48 Crores, girls' hostel with a strength of 168 inmates worth rupees 12.53 Crores, rupees 2.55 Crores worth building for improving facilities for the central laboratory in CLIF, an Amphi theatre worth rupees 1.47 Crores and two open class rooms worth rupees 75 lakhs and over rupees one Crore has been set up for the associate facilities. A sum total of rupees 51.70 Crores had been awarded and bids for construction has been invited to the various building projects under this scheme. The proposals for administrative sanction for rupees 43 Crores for buildings and buying instruments for various teaching departments, Research and Development Centre and CLIF is nearing approval.

As the second phase for building an academic block for the Department of Sociology and for new generation courses rupees 35 Crores, 39 hostel rooms each for incorporating 78 inmates each as the second floor of the hostel rupees six Crores and rupees 12 Crores has been set up for buying equipments for laboratory equipments for various departments. At this state a total of rupees 150 Crores have been allocated by the state Government at Kariavattom through KIIFB. We have to understand that we have to go along with the rapid changes in the field of higher education. We essentially need leaps and not just be fellow travellers. Hence, this budget presented before this assembly is with that view in mind. We are trying to put to motion the giant dreams and is trying to reflect it through the budget. We can achieve many things if we can stand together. This budget is not just an income – expenditure statement. It is the sunshine, seeds and flowers for building a knowledge society. I request the wholehearted attention of all the respected members on this subject.

Summary

During the last financial year (2021-22), the University's total budget, which was passed by the senate, was as follows: income – rupees 705.43 Crores, expenditure – rupees 707.10 Crores and deficit – rupees 1.67 Crores. But as per the revised estimates (2021-22) an income of rupees 636.74 Crores and an expense of rupees 636.74 Crores had been realised.

A comprehensive budget for the next financial year (2022-23) with an income of rupees 771.29 Crores and an expense of the same has been envisaged.

Item	Income (in Crores)	Item	Expense (in Crores)
Non Plan			
Block grant	385.00	Salary, pension	430.90
Internal income	180.53	Others	144.63
Total	565.53	Total	565.53
Plan			
Contribution from Govt of Kerala	38.5	Expense	41.20
Contribution from UGC	6.50	Expense	3.80
Total	45.00	Total	45.00
Earmarked fund	23.92	Expense	23.92
Debt and Deposits	136.84	Expense	136.84
Grand Total	771.29	Grand Total	771.29
(771.29 - 771.29)	= 0		

Table 1 – Non Plan

	Budget Estimates (2021-22) in Crores	Revised Estimates (2021-22) in Crores	Budget Estimates (2022-23) in Crores
Income	522.74	472.63	565.53
Expense	524.41	472.63	565.53
Deficit	1.67	0	0

2022-23 Income

This year the total non plan income expected is rupees 565.63 Crores combining non-plan grant for rupees 385 Crores and internal income for rupees 180.53 Crores. But the Government has allotted rupees 320.22 Crores as non plan grant to the University for the financial year 2022-23.

Table 2 - Non Plan Income

Income	Revised Estimates 2021-22 (in Crores)	Budget Estimates 2022-23 (in Crores)
Block grant	337.00	385.00
Internal Income	135.63	180.53
Total amount	472.63	565.53

The internal income expected for the coming financial year (2022-23) is as follows.

Table 3 – Internal Income

Income	Revised Estimates 2021-22 (in Crores)	Budget Estimates 2022-23 (in Crores)
Exam fee and other	48.00	57.25
University teaching departments/centres	2.35	2.98
BEd centre	2.30	3.50
UITs	14.00	17.00
University Engineering College	2.00	2.50
UIMs	3.00	4.00
SDE	7.00	9.00
Annual Administration Fee	1.50	2.00
Student Affiliation Fee	0.75	1.20
UG/PG Online admission	17.00	20.00
Lease income	4.00	4.00
Other services	8.16	11.51
Miscellaneous	25.57	45.59
Total	135.63	180.53

2022-23 Expense

The expected expense of the next financial year will be as follows.

Table 4 – Expense

Non – Plan	Revised Estimates 2021-22(in Crores)	Budget Estimates 2022-23(in Crores)
Salary and allowances	190.57	223.83
Salary for contingent/contract staff	50.53	57.97
Pension	129.10	139.10
Exam expenses	17.24	20.61
Grants and scholarships	10.26	10.76
Construction	13.09	46.21
New developmental activities	7.50	8.50
Pension fund	10.00	0
Others	44.34	58.55
Total	472.63	565.53

Pension

Pension and other associated expenses are a major part of the non Plan expenses. Currently around 3000 staffs are given pension. Pension revision has been imparted from 1st of November 2021 onwards. The explanations regarding the pension expenses are attached below.

Table 5 – Pension

Year	Expenses met (in Crores)
2017-18	118.98
2018-19	109.78
2019-20	117.18
2020-21	113.10
2021-22 (RE)	129.10
2022-23 (BE)	139.10

Account of Plan – Non Plan funding of the last five years are attached below**Plan fund**

Year	Allotted amount (in Crores)	Allocated amount (in Crores)
2017 - 18	26.00	15.50
2018 - 19	27.00	17.54
2019 -20	29.00	9.28
2020 -21	25.00	7.55
2021 -22	26.00	19.31 (Rupees 8.37 Crores is allotted as the third instalment)

Non-Plan Fund

Year	Amount received (in Crores)
2017 - 18	288.17
2018 - 19	310.05
2019 - 20	341.05
2020 - 21	277.25
2021 – 22	311.11 (Rupees 20 Crores has been approved as supplementary demand)

Statistics**Institutions under the University****A. Teaching/Research Department and Centres**

160 institutions are directly run by the University as Teaching/Research Departments, academic centres, and self financing institutions.

Sl. No.	Institution	Number
1	Teaching/Research Departments	44
2	Academic Centres	59
3	BEd Centres	10
4	UITs	34
5	UIM	7
6	University Engineering College	1
7	UGC HRDC	1
8	Malayalam Lexicon	1
9	Kerala University Study centres	3
	Total	160

B. Affiliated Colleges

186 colleges are affiliated to the University.

Sl. No.	Colleges	Number
1	Arts and Science	111
2	BEd/MEd	46
3	MBA/MCA	13
4	Law	7
5	Hotel Management	3
6	Physical Education	1
7	Special Education	1
8	Fashion Technology	1
9	Music & Fine Arts	3
	Total	186

C. Other Service Centres

29 Centres are run by the University to give services.

Sl. No.	Centres	Number
1	Library	2
2	Health Centre	2
3	Computer Centre	1
4	Printing Press	1
5	CLIF	1
6	Engineering Unit	1
7	Student Services	1
8	Physical Education Department	1
9	Publication Department	1
10	University Employment, Information and Guidance Bureau	1
11	Placement Cell	1
12	Finishing Cell	1
13	IQAC	1
14	Hostels	6
15	KUBIIC	1
16	University Consultancy Cell	1
17	Entrepreneurship Development Cell	1
18	ICC	1
19	Career Counselling and Testing Centre	1
20	NSS	1
21	District wise information centres	2
	Total	29

The Government of Kerala has allotted an amount of rupees 33.20 Crores as plan fund on the Budget for 2022 – 23. Attaching the major programmes to be done with the fund.

Sl. No.	Particulars
1	Setting up of Interuniversity Centre for research on emerging and re-emerging infectious disease pathogen – Department of Chemistry.
2	Bioprospecting of Micro flora for Bioactive compounds, enzymes and validating bio resource efficiency for druggable candidate molecules – Department of Botany.
3	Establishment of Translational research facility in plant cell culture technology (Phase V) – Department of Botany.
4	Valorisation of agro-food waste as polyphenol emulsion formulations for applications in food and pharmaceuticals – Department of Botany.
5	Integration of RFID technology with the existing library management software (KOHA) in campus library network –Campus Library.
6	Establishment of International Inter university Centre for Sensing and Imaging at the Department of Chemistry.
7	Augmenting infrastructure facility of CLIF for NABL accreditation and ISO certification.
8	High speed Internet and SAN storage 100 TB and multicore high end server (2 nos) facility at Kariavattom and SH campuses – CLIF.
9	PravasiCharithram – Department of Kerala Studies
10	Developing business innovation and incubation centre of the University of Kerala into a state of the art incubation centre.
11	Electronic structure modelling, optical mechanical systems design and digital signal recording and processing – Department of Optoelectronics.
12	Development of highly efficient four terminal crystalline silicon hetero junction/perovskite multi junction solar cell – Department of Physics.

13	Development of photo conductive materials for radar applications – Department of Optoelectronics.
14	Setting up of research and documentation centre on Decentralisation – Department of Economics.
15	Instituting seven new departments in the University.

NEW PROGRAMMES

1. Developing research oriented syllabi and examination practices of the University teaching departments

Workshops will be conducted to restructure the PG syllabi and examination schedule of the teaching departments totally research oriented. This will be in tune with the great changes in the international arena and aimed at making our syllabi truly international in its essence. This programme will be conducted by the CSS with world-class experts. An amount of Rs. 50 lakhs is allocated for this process.

2. Workshop for developing outcome based syllabi for affiliated Colleges.

The syllabi for affiliated colleges will be completely reset in the outcome-based modality and it will be revised including the recent developments and trends in their respective disciplines. The teachers of the affiliated colleges will be given training on the same. An amount of Rs. 50 lakhs is allocated for this process.

3. National/international seminars at district headquarters.

With the full participation of the affiliated colleges, national/international seminars will be conducted in the district headquarters, which come under the University of Kerala. An amount of Rs. 20 lakhs is allocated for the same.

4. Carbon free – Green Campus; Total Solar Power Plan.

According to the KSEB report the University Campus at Kariavattom uses over 1, 80,000 KW electricity per month. That accounts to 19,41,000 KW per year. As more and more necessities come in the electricity usage is also on the rise. At present around rupees 1.36 Crores are paid as electricity charges to KSEB. Attempts are made to make Kariavattom campus carbon free – Green campus. Control has been put on vehicles running on fossil fuels. Battery operated buggies and cycles have been introduced in the campus. Plans are implemented to introduce the electricity from the campus. An

amount of Rs. Two Crores has been allocated for an initial plan for the same with assistance from ANERT.

5. Kariavattom Campus to be made a Model Campus; Opening renaissance highway.

As discussed in the last budget, development of the campus and the infrastructural facilities of the Kariavattom campus are highly necessary for transforming the University of Kerala to an international university. All through these years, several such steps are being undertaken. New departments, ten new programmes, appointment of teaching staff, building complexes, hostel facilities, Harithalayam programme, staff apartments, the 43 teaching departments have been equipped with small and large theatre class rooms and halls and several multi-crore projects have been undertaken. As the developmental programmes of KIIFB too are being introduced, Kariavattom campus will certainly be called as the model campus. The compound wall of the campus is being modified and reconstructed. The road in front of the campus is to be reset as a 'Renaissance Highway.' Roads have played a great role in making Kerala renaissance possible. It was actually those struggles to use the common roadways for regular travels were the ones that actually culminated as the freedom struggle. The main road of this University campus ought to carry memories of those great struggles. This is planned in this manner is to conscientise the renaissance ideals and to develop socio-cultural understanding to the new generation. The road from the main gate of the campus till the centre for performing arts will be rebuilt with a width of 15 meters with pavements, lamp posts, shady trees and seats. The major squares of the road will be decorated with the reliefs of Sree Narayana Guru, Chattampi Swamikal, Mahathma Ayankali, Vakkam Maulavi, AKG, Aiyya VaikudaSwamikal, Dr.Palpu, Poikayil Yohannan, Vagbhadanandan, C.V Raman Pillai, Akkamma Cherian, Lalithambika Antharjanam, P. Krishna Pillai, A V Kuttimalu Amma, Velukutti Arayan, Sahodaran Ayyappan and others along with information regarding socio-cultural movements of the period. The renaissance highway will be from the main gate to Centre for Performing Arts including the road from the Post Office to the Researchers' Hostel. An

amount of Rs. Two Crores has been allocated for this purpose. This plan will be enacted with the assistance from the University of Kerala Alumni Association.

6. Virtual IT Cadre to be formed.

As envisaged in the state budget the University of Kerala will also establish a virtual IT cadre to make the services faster to the users. The university is developing new software for the various sections. Already special software had been developed for the examination section, research section and finance section. File flow system has been implemented to all the sections. In this venture those staff who are proficient in IT will be selected and will be trained to provide necessary software/hardware assistance to other staff; thus forming a virtual IT cadre in the University. Their presence will be ensured in each of the sections. Special training programmes will be done for the same. An amount of Rs. 10 lakhs will be allocated for the same.

7. Researchers' Fest would be organized.

A researchers' fest will be organized incorporating the researchers and supervisors in the teaching and research departments of the University as well as those from the affiliated colleges, to get to know the research facilities at the Kariavattom campus. This is scheduled with a vision to bringing up new collaborations and insights in the field of research. Academic sessions and cultural fests will be conducted along with this. An amount of Rs. 50 lakhs is allocated for the same.

8. Kerala University Engineering College will be uplifted as an Engineering Research Centre.

The University Engineering College situated at the Kariavattom campus will be uplifted as an independent research centre for technological research. The departments of Computer Science, Future Studies, Opto Electronics and Communication and Artificial Intelligence will take part in this research. The present courses of the Engineering College will reformed without loss of job and other technical hurdles. Assistance from industries and best faculties will be ensured. Services of top class research supervisors will be ensured. Through this project it is envisioned that new vistas will be opened

regarding the development of research in Engineering. An initial amount of Rs. 40 lakhs is allocated for the initial activities of the same.

9. Facilities of CLIF to be opened to all researchers.

The Central Research Facility at the CLIF will be opened to the entire researchers including those of the affiliated Colleges. This most modern laboratory houses the most modern research facilities. This should be serviceable to all. KIIFB funding is available for improving the facilities of CLIF which is the icon of the University. Along with it to improve the background facilities an amount of Rs. 60 lakhs is allocated.

10. Permanent evaluation camp and answer paper storage centre.

To make the conduct of the exams and the announcement of results hustle free, the university is bringing in a number of innovative plans. As part of this the University aims at setting up a permanent evaluation camp with modern amenities and storage service to store the valued scripts will be set up. An amount of rupees Six Crores is estimated as the expense for the same. An amount of Rs. Two Crores is allocated as the initial investment for the first phase of the facility.

11. Research centres outside India to be set up.

In accordance with the permissions from the Governments of India and Kerala, and UGC; in order to facilitate the educational requirements of the non – resident Indians and their families, the University of Kerala proposes to begin research in foreign countries including UAE, Kuwait and others. An amount of Rs. 25 lakhs is allocated for the pilot study of the project.

12. Chance to listen to Nobel Laureates and other experts.

Some presences can bring in great changes. The university is continuing to bring is experts and Nobel laureates to interact with the scholars. An amount of Rs. 20 lakhs is allocated for the same. These lectures will be broadcasted to the public through KU Padasala to the public.

13. Faculty Exchange Programme to be initiated.

The whole world is at the fingertip. Great changes happen when we collaborate. The experts inside and outside our nation and the elite centres of research and universities and the faculties associated with them will be collaborated with our faculty for a definite time period to foster new areas of

research and academics through faculty exchange programmes. This will make the research programme one of the finest in the country. An amount of Rs. 75 lakhs is allocated for the same.

14. Making the Sree Narayana Guru International Studies Centre more active.

The Sree Narayana Guru International Study Centre is aimed at imparting the vision of Sree Narayana Guru, who was the light of the Kerala renaissance, to the coming generations. Along with the signature programme 'Sree Narayana Vijnjaniam,' it is planned to have a speech on Guru's ideals on selected Colleges. Along with this a Sree Narayana Literary Camp will be conducted at Sivagiri. An amount of Rs. 20 lakhs is allocated for these activities.

15. Industry assisted Research Programme.

The Industry assisted research programme is aimed at developing a better future society. The university will collaborate with the research programmes aimed at industrial growth. The associated research will be financed by the industry through fellowship and will provide employability to the researcher. An amount of Rs. 25 lakhs is allocated for the initial activities in this project.

16. Digital Documentation of the biological and archaeological remains on the Kerala seas.

The Kerala coast is known for the exquisite resources that are geographically unique as well biologically special. Kerala shores are known for the underwater rocks, which play a great role in the preservation of the shore, understanding the biological variety, the development of sustainable resources for the traditional fisher folk, improving the nutrients and several other factors. However, the biological factors have never been documented clearly. An inter disciplinary project organised by the departments of Aquatic Biology and Fisheries and Archaeology has been set up for understand and document the life underwater, the biological factors, and the archaeological remnants underwater. A book regarding the underwater resources, biological and geological heritage documented is planned to be published as a product of this project by the University. This documentation, which can be

a great resource for future developments including tourism, is allocated Rs. 30 lakhs for the smooth conduct.

17. Sugatha Kumari Memorial biosphere.

The natural forests of the Kariavattom campus will be preserved in the memory of the late Malayalam poet Sugatha Kumari. The natural forests on the north eastern part of the Women's hostel and the western side of the Haimavathi pond will be preserved with walkways built and used for enjoy the wild beauty. This will be named as Sugatha Kumari Memorial biosphere and an amount of Rs. 25 lakhs is allocated.

18. Bharath Murali Drama Fest.

In memory of the famed actor and former employee of the University Bharath Murali, a five day drama fest will be set up by the University. Bharat Murali who had performed wonders on the screen and stage is the pride of our country. As he was the part of our University it becomes our pride also. The drama fest will be conducted under the leadership of "Dhamani" the arts and cultural association of the University staff. An amount of Rs. Five lakhs has been allocated for the same.

19. Lounge for retired staff.

Honouring the retired staff is a righteous act. A state of the art lounge will be set up at the Palayam campus aimed at providing comfortable seating and relaxing for the retired staff. An amount of Rs. 60 lakhs is allocated for the same.

20. Uplifting Research Start-ups.

Kerala University Business Innovation and Incubation Centre (KUBIIC) is a centre that aims at involving the researchers to become innovators. As part of developing active research, KUBIIC has been fostering start-ups. Our 10 start-ups are becoming companies and 64 are on the path to it. To bring in more start-ups and to develop a university – industry corridor Rs. 25 lakhs is allocated.

21. Decentralised Governance Literacy – action plan.

The active participation of the people makes democratic governance transparent and excellent. An amount of Rs. Seven lakhs is allocated to develop a decentralised governance literacy programme is initiated. The

programme aimed at conscientising people with the governance policies of Panchayats on the basis of the principles of rightful governance will be conducted by the Centre for Agro Ecology and Public Health.

22. Antenna Testing Laboratory and MSc Laboratory Development for the Department of Physics.

The new building which is built as part of the silver jubilee celebrations of the Department of Physics (Microwave Material Laboratory) will be completed by the month of June. New generation PG programmes like MSc Space Science, MSc Renewable Energy has been started and as part of the same. Background facilities and new research laboratories need to be established in the new building. Other than that, a testing facility needs to be developed for testing the antennas developed for 5G communications. Rs. 50 lakhs has been allocated for setting up an antenna testing laboratory and MSc Laboratory and developing background facilities.

23. Paper free Administration and Academics to be initiated.

Online system will be facilitated to make the University governance more effective. Online system will be used to share files including the agendas for the syndicate and the senate meetings. I-Pads will be provided to the Syndicate members and the Statutory Officers and the Joint Registrars to make the online file transfers effective. The dissertations and thesis of the scholars, which were submitted via online during the Covid period, will be continued. An amount of rupees 25 lakhs has been allocated for the same.

24. Water purification facility at the Kariavattom campus.

The water supply to the Kariavattom campus and to the staff quarters are from the various wells in the campus. The quality of this water and the purification of water will be ensued. An amount of rupees 25 lakhs is allocated to the water purification scheme as an initial advance.

25. Cancer research Laboratory.

It is believed that the life threatening disease of cancer can be cured through hyperthermia treatment in Photo Thermal treatment. The Department of Biochemistry is developing research to combine hyperthermia with chemotherapy and to make cancer treatment more effective. An amount of Rs. 60 lakhs is allocated for the laboratory to conduct this study.

26. Beautification of the senate house campus of the University

Palayam senate house campus is the face of the University. A project will be implemented to make it more beautiful and comfy. Plans are afoot to expand the front area of the amenity Centre, university garden and parking facilities. An amount of Rs.25 lakhs is set apart for the implementation of this project.

27. Aquatic Environment Informatics Lab

Analyzing and expanding the human resources using digital possibilities such as computer simulation software, spatial planning and environmental modelling is essential to comprehensively assess the growing aquatic environment issues in Kerala, including floods, and to provide adequate research information for policy-making activities. An amount of Rs.25 lakhs is allocated for the University's Department of Aquatic Biology and Fisheries to set up a modern Aquatic Environment Informatics Lab for the collection, analysis, ecological design and dissemination of aquatic environment information in Kerala.

28. Water borne vector disease analysis system.

In a situation where the pollution is increasing day by day, it is important to identify and observe the water-borne microorganisms to safeguard us from health hazards. In addition to this, we need to identify and observe the pathogens in the imported fisheries items. To set up water borne vector disease analysis system and to promote research in this area and to improve the consultancy services through this, an amount of Rs. 10 lakhs is allocated in the budget for the Department of Aquatic Biology and Fisheries.

29. Integrated Biofloc Aquaponics Technology.

Biofloc technology is the use of aggregates of bacteria, algae, or protozoa, held together in a matrix along with particulate organic matter for the purpose of improving water quality, waste treatment and disease prevention in intensive aquaculture systems. An amount of Rs. 5 lakhs is allocated in the budget for the Department of Aquatic Biology and Fisheries to set up the Integrated Biofloc Aquaponics Technology in an experimental basis.

30. MA Politics and MA International Relations and Diplomacy will be started by the Virtual School of Politics and International Relations at the Department of Political Science

The online courses MA Politics and MA International Relations and Diplomacy were started by the Virtual School of Politics and International Relations at the Department of Political Science. An amount of Rs. 6 lakhs is allocated for this.

31. Digitization of Historical records and Digital Archive project in the History Department Library.

The Department of History is one of the notable departments in the University. The library of the department keeps invaluable documents such as manuscripts and various reports of the administrative centres of Travancore, Kochi, and Malabar. These important documents have begun to deteriorate over time. They need to be scientifically protected and regulated. A project called the Digitization of Historically Important Document will be implemented to scan these documents and make duplicate and digital copies of them. In addition, a digital archive and website will be created using the documents prepared this way. An amount of Rs. 5 lakhs is allocated for this.

32. Modernising the Campus library including CCTV surveillance.

The working hours of the Kariavattom Campus library are from 8 am to 12 midnight. So it is necessary to strengthen the security measures. CCTV surveillance system will be facilitated in the Campus library. An amount of Rs. 2.5 lakhs is allocated for this.

33. Augmentation of the Department of Psychology Laboratory.

There is a need of advanced machinery and equipments in the laboratory of the Department of Psychology for the use of the practical training process of the students. An amount of Rs. 2.5 lakhs is allocated for the augmentation of the laboratory and the purchase of equipments and advanced machinery required for the training of the students.

34. Transgenic Animal Facility at the Animal House of the Department of Biochemistry.

In order to study the diseases of both humans and animals and to tests new drugs, the transgenic animals are a good model. Measures need to be taken to nurture these animals with the minimum requirements by augmenting a part of the zoo facility at the Department. An amount of Rs. 25 lakhs is allocated for building the Transgenic Animal Facility.

35. Organizing Social Science Research Meet.

A Social Science Research Meet will be organised by the University under the Social Science Departments of the University to promote research in the field of Social Science. An amount of Rs. 8 Lakhs is allocated for this meet. Distinguished Social scientists from and outside the country will be invited.

36. Starting a Green Energy Research Centre.

To attain self sufficiency in the field of energy consumption and to promote innovative research projects among the researchers, a Green Energy Research Centre will be established at the Kariavattom campus of the University. A 50 Megawatts Solar Energy Panel manufacturing centre will be starting along with this. This plan will expand the concept of University Industrial Corridor and an amount of Rs. 10 lakhs is allocated for the initial phase of this project.

37. Financial aid to study the *njavara* rice genome structure.

Njavara is a Kerala rice variant. Research studies about the genome structure of njavara rice are going on at the Inter University Centre for Genomics and Gene Technology. An amount of Rs. 5 lakhs is allocated for the continuing research studies in the area.

38. Setting up of an Incinerator at the Animal House of the Department of Biochemistry.

The Animal House of the Department of Biochemistry is accredited by the Committee for the Purpose of Control and Supervision of Experiments on Animals (CPCSEA). The Animal House provides help with providing transgenic animals for various research activities in different research departments and Centres in the University. An amount of Rs. 30 Lakhs is allocated for installing an Incinerator for effective waste disposal at the Animal House.

39. Promotion of Action Research

Action Research in the area of Social Sciences that enables the researchers to take part in the Social development will be promoted. An amount of Rs. 15 Lakhs is allocated for promoting action research that organises collaborative programmes and establish research centres in tune with the demands of the society.

40. Nano-technology for Data Protection.

This is an era of fast communication. But the electromagnetic waves that we release to the atmosphere as part of this communication mechanism are also polluting the atmosphere. The Department of Physics is conducting research on the possibilities of reducing this atmospheric pollution. An innovative research to build low cost shielding fabrics based on polymer, metal and nanocomposites that provide better data protection is underway and an amount of Rs. 6 lakhs is allocated for the same.

41. Building new Hostels.

The lack of sufficient hostel facility is one of the most crucial problems facing by the University. The State Government Budget and KIIFB have provided great financial help to build hostels in the University. Along with this the University will build two hostels with 125 rooms each in the Kariavattom Campus that could accommodate 250 girls and boys each. An amount of Rs. 2 Crores has been allocated for the same.

42. Establishment of BSL-1 and BSL-2 labs at the Department of Botany.

BSLs are the series of safety control programmes conducted at the Biological labs. It is necessary to have the BSL-1 and BSL-2 facilities for the studies in Anti-microbial Screening conducted at the Department of Botany. An amount of Rs. 10 lakhs is allocated for the establishment of these labs that are significant for the Botanical research at the University.

43. Financial aid to Centre for Women Studies.

An amount of Rs. Five lakhs is allocated for the activities at the Centre for Women Studies including individual development for women, entrepreneurial support for deprived women, assistance for research and development activities for women.

44. Reconstruction of the quadrangle of the University Library.

Kerala University Library is a significant institution in the educational and cultural history of Kerala. Thousand of researchers and readers are benefiting from diverse collection of lakhs of books in the library. A beautiful garden and a lawn will be constructed in the quadrangle of the library to make it more attractive. An amount of Rs. 20 lakhs is allocated for the same.

An amount of Rs. 4 lakhs is allocated for installing an incinerator and a bore well at the library.

45. Two lakhs financial aid for the “Oppam” project of the Department of Sociology.

The Department of Sociology has been conducting a number of programmes for the upliftment of the marginalised. “Oppam” is a new programme initiated by the department this year for serving and preservation of the indigenous “Kaani” community. An amount of Rs. 2 lakhs is allocated for the programme.

46. Financial aid for the courses at the Department of German.

An amount of Rs. 2 lakhs is allocated for the initial expenses to start the C1, C2 courses in German at the Department of German.

47. Financial aid to improve the facilities at the University hostels.

The University has provided accommodation facilities for hundreds of students for minimum expense at the hostels in Thycaud and Kariavattom. An amount of Rs. 20 lakhs is allocated for providing better basic infrastructure facilities in the University hostels.

48. Christian Study centre for Cultural and Social Change.

An amount of Rs. 1.5 lakhs is allocated for the development of basic infrastructural facilities of the Christian Study centre for Cultural and Social Change.

49. Financial aid for the augmentation of CSS office.

The Credit and Semester System office is the focal point of all the academic activities of the Kariavattom campus. An amount of Rs. Five lakhs is allocated for development the infrastructure facilities of the CSS office.

50. Allocation of Rs. 10 lakhs for the development of Library at the Department of Computer Science.

The Department of Computer Science conducts many innovative research activities suitable for the changing times. An amount of Rs. 10 lakhs is allocated for the augmentation of the Library of the Department of Computer Science.

51. Allocation of Rs. 3 lakhs for the activities of the Centre for Diaspora Studies.

The Centre for Diaspora Studies conducts various learning activities on the expatriates. An amount of Rs. Three lakhs will be provided for the new study and research conducted by the said centre on the employment and rehabilitation of resettlers.

52. Environment auditing training will be organized.

The University's Department of Scientific Studies and Research will organise a training programme on environment auditing. This training helps in assessing the impact of small and large scale industrial processes on the environment and also aims at finding solutions for the same. An amount of Rs.2.5 lakhs is allocated for this.

53. Financial assistance for the Department of Hindi.

An amount of Rs. 3 lakhs is sanctioned for the purchase of a new public addressing system in the Hindi Department's seminar hall.

54. Organizing a travelling music club.

The University's travelling theatre was notable for organizing brilliant plays aimed at social renaissance. A travelling music club will be formed under the leadership of the Centre for Visual and Performing Arts with selected singers from the University's affiliated colleges and departments. This club will conduct different programmes and events at various colleges. An amount of Rs. 10 lakhs is allocated for this.

55. Financial aid for the Centre for Cultural Studies and Centre for English Language Teaching.

The Centre for Cultural Studies and Centre for English Language Teaching of the University's Institute of English has spearheaded a number of academic activities. An amount of Rs.5 lakhs each is sanctioned for the infrastructural development of the centres.

56. Financial aid for the physical development of the Centre for biodiversity conservation.

The Centre has played a vital role in conserving and maintaining the rare flora and fauna of the Andaman Islands at Kariavattom. In the General Budget of the Government of Kerala, Rs. 50 lakhs has been sanctioned for the research activities of the Biodiversity Conservation Centre of the University.

An amount of Rs. 25 lakhs is sanctioned for the facility development of the said centre.

57. Preservation of Tribal languages.

Learning activities make sense when you get to know the community closely. The language and culture of the adivasis has been included in the curriculum as a kind of an intervention. There are about 36 adivasi languages in Kerala. The Centre for Endangered Languages of Kerala is working to ensure that the tribal language is not lost and that the backwardness of the language does not hinder the learning of tribal students. An amount of Rs. 5 lakhs is sanctioned for the said activities.

58. Maceration of domestic animals at the Archaeology Laboratory.

The zoo archeology laboratory of the University's Department of Archaeology is the only laboratory in the country with a collection of ithioarcheology. Arrangements will be made in the said laboratory to keep the exclusive skeletons of domestic animals and to collect and preserve their pathological and production history. It will pave the way for extensive research and consultancy services. An amount of Rs.5 lakhs is sanctioned for the said activities.

59. Financial assistance for the Department of Mathematics and Statistics for Infrastructure development.

An amount of Rs.5 lakhs is being allocated for the development of facilities for the operation of newly started PG courses in the Department of Mathematics and Statistics.

60. Facilities will be provided for obtaining a patent.

The protection of inventions is important in the modern social system. Obtaining a patent is one of the primary responsibilities for serious discoveries in the field of research. The university also extends its support to researchers to achieve this. An amount of Rs.5 lakhs is being allocated for this.

61. Financial aid for publishing articles in International publications.

Publishing academic articles in high quality research publications often requires a lot of financial support. This poses great difficulties for many ordinary researchers. It has been decided to provide adequate assistance to

address this issue. An amount of Rs.10 lakhs is set apart for the implementation of this scheme.

62. Distinguished PDFs will be instituted.

Fellowships equivalent to National PDF Fellowships will be instituted by the University to bring in talented researchers from home and abroad. It is hoped that the participation of such talents in research will give a new face to the research works done at the University of Kerala. An allocation of Rs.25 lakhs has been made for this.

63. The services of industry experts will be made available for research.

The University wants to make research more conducive to social needs in a way that is mutually supportive and helpful of the University and industries. This project aims to involve industry experts and talents as adjunct experts in university academic research activities. An amount of Rs.30 lakhs is allocated for the same.

64. Continuation of the 'Harithalayam' project.

"Harithalayam" project gives students an opportunity to learn about the surroundings and agriculture. The project aims to reclaim farmland and make it suitable for cultivation and to remove acacia trees and replace it with various fruit bearing trees in the campus. The project is making good progress despite the constraints and limitations that happened due to the Covid hit. The project was successful in clearing swamps and converting it into arable land. A few acacia trees were replaced with fruit bearing trees. The project needs to be continued with more student participation. An amount of Rs.30 lakhs is sanctioned for its general needs.

65. Enable active functioning of the International Marxian Study -Research Centre.

Marxism is one of the all time greatest ideologies. The University's International Marxian Research Centre has a number of projects that can be used to incorporate the potential of that unique thought process into social construction through learning and research. The said research Centre has become operational on the top floor of the university's Kariavattom campus library. An amount of Rs.30 lakhs is sanctioned for its various activities.

66. 'Jalam-Jeevamritham' documentary.

It is important to know and let people know that water is the true elixir of life. The University's Department of Geology wants to produce a documentary that will provide water literacy to society. An amount of Rs.4.5 lakhs is being allocated for this purpose.

67. Library and Laboratory for the Inter -university Centre for Evolutionary and Integrative Biology.

The University's ICEIB is an inter-university Centre where a lot of remarkable research and academic activities take place. An amount of Rs.50 lakhs is sanctioned for setting up the laboratory and library to make ICEIB a more notable research Centre.

68. Financial aid for Covid Prevention Research.

Various departments of our University have been making humble contributions towards Covid related research activities. An amount of Rs.8 lakhs is set apart for Computational Biology and Bio Informatics Department to conduct study and research using machine learning in Covid Prevention Research.

69. Laboratory Complex for the Research Department of Chemistry.

The University Department of Chemistry conducts serious research activities in various fields. A laboratory equipped with modern facilities and safety measures is inevitable for the department. An amount of Rs. 1.5 Crores is set apart for the construction of a fully equipped modern laboratory complex.

70. Cricket-volley ball-football playgrounds and Green space at Kariavattom Campus.

Eco-friendly playgrounds will be constructed for students and campus residents to organise sports events so as to enhance physical fitness and general health. Cricket ground, foot ball ground, volleyball court and open gymnasium will be set up at convenient places on the campus. The ground will be levelled to construct an eco-friendly playground walkway and open gallery. Only the toilet and mini pavilion will be made using construction materials. In addition to this, scientific systems will be set up in various parts of the Campus to get soaked up in the morning sun. Green spaces will be set

up in different parts of the campus with facilities for reading, sitting and gathering.

71. Basic infrastructure facilities for the Sports category and new trophies for the winners.

As inter -university competitions include new events, we need to purchase new pieces of equipment to train our students in those areas. The outdated pieces of equipment should be replaced with new ones. An expansion of the basic infrastructure facilities for the sports section is needed. New trophies have to be purchased. An amount of Rs.50 lakhs will be set apart for all the above mentioned things.

72. Venue for inter -university competitions

Inter-university sports competitions will be held so as to cultivate and nurture the sports' interests in the students from the affiliated colleges of the university .An amount of Rs.20 lakhs is allocated for the same.

73. Orientation course for the Teachers at the UIT, UIM, KUCTE.

Necessary training programmes will be conducted for the teachers working on contract basis at the UIT, UIM, KUCTE & engineering college of University of Kerala. An amount of Rs.10 lakhs is being allocated for this purpose.

74. Summary of the PhD theses.

The summary of the PhD theses awarded during the last five years by the University of Kerala will be published so that it helps in the knowledge acquisition and use for the general public. Theses will be categorised under Science, Humanities, Commerce and Arts and will be published separately. An amount of Rs.10 lakhs will be set apart for this.

75. Expansion of the services rendered by the University K.U. Padasala.

Great contributions are made by the University's K.U. Padasala in the academic field. The K.U. Padasala has become a window of knowledge open to the general public by providing the opportunity to listen to the classes of experts in various subjects. An amount of Rs.5 lakhs is sanctioned for the expansion of its activities.

76. Lounge system will be set up in the University Library.

Lounge services will be provided for both men and women separately at the University Library so that visitors to the Library can relax in case of

emergency. It will be made with first aid facilities. An amount of Rs.5 lakhs has been set apart for this.

77. Department of German.

Germany is a country with a lot of job opportunities. It is inevitable to have knowledge of the German language to get a job there. The German Department of the University has been trying to organise the study of the German language in such a way as to utilise these possibilities. Attempts are being made to obtain licenses to conduct A1, A2, B1 and B2 examinations of various agencies from foreign countries, including Germany. An amount of Rs.10 lakhs is being allocated for its ancillary activities.

78. Study will be conducted to evaluate the micro plastic pollution in Aruvikkara Reservoir.

The rise in plastic use and production indicates that the elimination of plastic waste from the environment is likely to increase. Transmission of micro plastic through the food chain adversely affects the ecosystem and human health. Drinking water is being supplied in the capital of Thiruvananthapuram from the Aruvikkara Reservoir. Environmental mismanagement and dumping of waste in the area may destroy the quality of water in the reservoir. This study aims to evaluate the micro plastic pollutants in the reservoir and the neighbouring areas. It is hoped that this study will contribute to the development of the area and will help in adopting appropriate measures for the conservation of the reservoir. An amount of Rs.2 lakhs is allocated for the same.

79. Ganithagarima 2022.

This is a three day programme conducted by the Department of Mathematics, University of Kerala for undergraduate and postgraduate students who want to pursue higher education and research in Mathematics. The project is organised with the involvement of eminent teachers from within and outside Kerala. It is thought to be very helpful for students who want to do research in Mathematics. An amount of Rs.2 lakhs is allocated for this.

80. Funding for the manuscript library renovation.

Manuscript library of Kerala University is an institution of international relevance. Funding of Rs. 25 lakhs is sanctioned for the refurbishment in the library including the civil, electrical, computing, and audio-visual sector.

81. Auditorium for CLIF.

Last year, 3 seminar halls were arranged and inaugurated at CLIF. Amongst them, the 200 seater C V Raman Hall is short on properties such as dining facilities, exhibition hall, poster presentation hall, and open air auditorium. As solution to this issue, the auditorium can be converted into a multipurpose hall by performing high res tress work without compromising the general appeal of the CLIF. For the establishment of the multipurpose hall in CLIF, Rs. 50 lakhs is allocated.

82. Assistance for the study of the Department of Demography.

The Department of Demographic Studies, University of Kerala has prepared a plan to conduct a demographic and socio-economic analysis of Kerala based on the data from various censuses conducted in independent India. This study will help to assess the relationship between population evolution and development in socio-economic sectors in Kerala. This research study is not only useful for the socio-economic scientists, planners and advisors, but also for school/ college students and the general public. An amount of Rs. 5 lakhs is sanctioned for the said study. It is proposed to complete this study within one year.

83. A Centre to be established for statistical consultancy.

A 'Statistical Consultancy Centre' will be set up for the statistical consultations of research projects in other fields such as genetics, agriculture, life sciences, medical science and social science. This Centre will be able to guide statistical applications, meet the data needs of researchers from other fields of study and help them submit premium papers on the subject. The above mentioned Centre is gradually expected to become self-sufficient. An amount of Rs. 10 lakhs is sanctioned for the establishment and related activities of this Centre.

84. Assistance will be given for the study related to the life and culture of *jala-mala-ida* regions.

Based on the geographical features, Kerala can be divided into Malanadu (hill-lands), Idanadu (Mid-lands), and Jalanadu (water-lands). The specific studies on the diet of local community, lifestyle, health, education, culture, literature, art and language in the area are noteworthy. The alterations in the nature of land and life style due to the advent of new technologies need to be evaluated. Study and documentation of different knowledge deposits is required based on the geography. The aim is an innovative research project for the realization of these requirements. Primarily, the study is focused on the water-lands. The objective is to visit the water-lands which are spread across many districts and to record their features. An amount of Rs. 10 lakhs is allocated for the study.

85. Research scholars will be offered internships in participatory action research centres.

Internship for PhD students in action research is a scheme for providing internship in action research to the research scholars in the Sociology department of University of Kerala for the first six months of their research period. As part of this, selected students will be given the opportunity to participate in the social interactions conducted by the University and to receive participatory action research training. With regard to this, participatory research projects for community development can be implemented in collaboration with students, thereby making researchers proficient in qualitative research methods. The project will pave way for the development of innovative research models and policy formulation for the benefit of the masses. For this, Rs. 10 lakhs is estimated.

86. Provides extensive testing and certification facilities for renewable energy equipment.

It is of utmost importance to the development of suitable renewable energy technologies to meet the increasing energy requirements. Renewable energy generation, conversion and storage are the best amongst the most technological advances made in human history. Renewable energy devices must meet a number of regulatory standards before they can be considered

suitable for the sale and funding programmes. In this context, the Centre for Renewable Energy and Material Department of the University of Kerala envisages to provide equipment testing and certification facilities to ensure the required international standards and to ensure the quality control of an independent third party. It not only does inspection, calibration, and certification of all equipment related to clean energy used by industrial units and educational research institutes, but also, imported/ locally manufactured equipment is inspected and certified for their quality. For the initialisation of the said testing, calibration and certification facilities, an amount of Rs. 25 lakhs is permitted.

87. Research Union Fund.

The necessary fund for various activities of University of Kerala Research Union is evaluated to be Rs. 5 lakhs.

88. Further research provision.

The research services of retired teachers who have made outstanding research contributions in the various departments of the University will be allowed to continue their research support on contract basis in a continuous manner. Rs. 50 lakhs is the estimated amount for its facilitation.

89. Support for the new MSc program in Opto Electronics (MSc Electronics with specialisation in artificial Intelligence/ Opto Electronics).

For the development of facilities required for the execution of new MSc programs in Optoelectronics, Rs. 15 lakhs is sanctioned.

90. Innovation super cluster to be formed.

The 'Innovation Super Cluster' is an initiative of the University, the State Government, Representatives from the Industrial sector, entrepreneurs and researchers collaborating together to develop research and entrepreneurship in emerging sectors over the next ten years. It is a consensus for a common goal based on mutual understanding. Intended to operate based in CLIF, this Centre aims to bring together national and foreign institutions and experts in the field of study, research and entrepreneurship development. It will link the academic sector with the productive sector and vice versa and give a new sense of purpose to the research fields. Rs. 5 lakhs is calculated for its initial activities.

91. Programs for additional skill development (PASD).

Skill development programs will be conducted for postgraduate students to gain special expertise in areas related and relevant to their field of study; programs will be conducted in one or two areas selected by each department. Classes will be held after regular classes or on Saturdays. Continuous Evaluation is intended for these programs. This will enhance the value and quality of the postgraduate programs offered by the departments of the University of Kerala and to provide employment opportunities to the graduates in various fields after the course. An amount of Rs. 25 lakhs is allocated for this project.

92. Visitor's Lounge near the K R Narayanan Memorial Students' Amenity Centre to be equipped shortly.

There is no resting lounge for those who come to the K R Narayanan Memorial Students' Amenity Centre for various purposes. An amount of Rs. 25 lakhs is set apart for the construction of a visitor's lounge in a nature friendly way and for providing a space for tea and coffee shop service to ease the difficulties of students, parents and other from adverse weather conditions.

93. The Publication Department to be shifted to the Students' Amenity Centre.

The University Publication Department should be relocated to a vacant hall at the Students' Amenity Centre so that students and the general public can reach out quickly. An amount of Rs. 25 lakhs is sanctioned to provide the necessary facilities there. An amount of Rs. 5 lakhs is allocated for the district level book sales and conducting literature fests with the help of District Library Councils to popularize the Publication Department of the University and to increase the sales of books.

94. Palliative clubs of students

The scheme was implemented effectively last year under the leadership of NSS. The project should be expanded with the direction of NSS in collaboration with teachers and student unions in affiliated colleges. The aim is to cultivate an attitude of philanthropy and humanity among the students. Its volunteers focus on caring the terminally ill patients and providing them

with the treatment and care they need. An amount of Rs. 35 lakhs is allocated for this project.

95. Assistance for the development of various department libraries of the University.

An amount of Rs. 5 lakhs each is sanctioned for library and facility development of the University Departments, University of Kerala namely, Philosophy, Arabic, Russian, Tamil, Sanskrit, Future Studies, Economics, Malayalam, Commerce, Library and Information Science.

96. Vimukthi Scheme.

Vimukthi scheme is a campaign project executed by the State Excise Department against drugs and alcohol consumption. The need for the campaign to be effectively implemented amongst the students is the responsibility of the University towards the young generation. An amount of Rs. 25 lakhs is assigned for the execution of this project with the assistance of the teaching staff and student unions in all affiliated colleges under the supervision of State Excise Department, and NSS Department of the University.

97. Dr. K Ayyappa Panicker Memorial Foreign Language Building will be constructed at the Kariavattom Campus.

A foreign language building will be constructed at Kariavattom so that the English, German, and Russian Departments at Palayam and the Arabic Department at Kariavattom can work together within the campus. The building complex will be named after the favourite poet of Malayalam and the former Head of the University English Department, Institute of English, Dr. K Ayyappa Panicker as a memorial to the eminent scholar. For its construction an amount of Rs. 1 Crore is set apart as the first instalment.

98. Puthussery Ramachandran memorial lecture will be organised.

A Memorial Lecture in memory of Dr.Puthussery Ramachandran, the first President of Malayalam Aikyavedi, who was also the University Malayalam Department Professor, Poet, Linguist and a progressivist, will be conducted in the Department of Kerala Studies at the University. Lectures will be recorded and published by the University. An amount of Rs. 3 lakhs will be

allocated for the lecture this year. This will be implemented as a continuous project.

99. C-APT Training Centre.

Training is essential to make effective use of the skills of students, teachers, and staff. The Centre for Academic and Professional Training will be established in collaboration with UGC-HRDC to provide expert training in various fields to research students, faculty, university staff and affiliated college faculty and non-faculty members in this age of technological flux and advancement. An amount of Rs. 25 lakhs is allocated for this.

100. Natural products from organic resources.

Although many bioactive molecules have been identified, most are not available to the public in the form of herbal formulations or natural products. These can be seen as innovative treatment systems. An amount of Rs. 5 lakhs is sanctioned for its investigative study and development which can lead to many social benefits.

101. Installation of Turf in the Kariavattom campus.

It was a long standing need of students and staff to set up a turf campus with modern facilities as part of better sports training and facilities. An amount of Rs. 50 lakhs is allocated for its establishment.

102. Headquarters for Department of Computer Science and Research.

Computer Science is one of the major contributing research departments of the University. Innovative studies are there in this particular field of study including learning programs that the milieu demands. A new headquarters will be constructed with the facilities and laboratories necessary for the Department. For this means, Rs. 1 Crore is allocated in the first phase.

103. The University Placement Cell activities to be extended to Colleges.

An amount of Rs. 10 lakhs is allocated for the University Placement Cell to provide information directly to the students about job markets and opportunities to create a sense of need and to organize various events in colleges and University Departments. The scheme will be implemented in various colleges and educational institutions with the assistance of University Employees Information and Guidance Bureau.

104. Open Air Auditorium and Shuttle Court to be constructed at The Students' Centre.

The Students' Centre is a place where students can gather and interact amidst the hustle bustle of the city. An open air auditorium will be constructed at this place, which also caters as the headquarters of the university union, to facilitate cultural events and debates. An amount of Rs. 50 lakhs is allocated for this. A shuttle court will also be built adjacently.

105. Sports Geniuses Meet to be organized.

The meeting of the best sports talents of the country will be organized in different areas of the University. An amount of Rs. 10 Lakhs is sanctioned for the project which would be conducive to sports education. The project will be jointly implemented by the Department of Physical Education and the Department of Students Services of the University.

106. Physical Education Research Department.

The University decides to start a Research Department for Sports and to conduct postgraduate programs and research activities with an emphasis on sports education and research. An amount of Rs. 25 Lakhs is sanctioned for its initial procedures.

107. New Headquarters for the Department of Education and Research at Kariavattom.

The Education Department of the University at Thycaud needs to be relocated to Kariavattom campus with the facilities recommended by the NCTE. An amount of Rs. 60 Lakhs is sanctioned for the necessary facilities.

108. 'Plan with the Constitution' project.

The great values of humanity are the essence of our Constitution. The 'Plan with the Constitution' is a massive project that will pass on its inner message to posterity. The project that aims to share constitutional experiences and organising classes in selected colleges within the University will be jointly executed by the Dr. B R Ambedkar Chair and Students Service Directorate. An amount of Rs. 5 Lakhs is allocated for this scheme.

109. Rs. Five lakhs allocated for the development of the Department of Kerala Studies library and its related resources.

An amount of Rs. 5 Lakhs is allocated for the development of library and other resources of the Department of Kerala Studies, University of Kerala.

110. Kariavattom Campus to have a Gymnasium.

A gymnasium that can be used by all students, teachers and non teaching staff will be established at the University of Kerala, Kariavattom Campus. An amount of Rs 50 lakhs has been allocated for the purpose.

111. Hostels to have garden spaces.

University hostels are the primary habitat and the central point of the campus life of a considerable number of students. University hostels in Kariavattom and Vazhuthacaud lack lawns, gardens and benches where students could spend their leisure time. An amount of Rs 25 lakhs has been allocated for this purpose.

112. The University Press and the Publication department to be made more effective.

The University Press and the Publication Department will be made more efficacious in order to facilitate greater publication opportunities. An amount of Rs 5 lakhs has been allocated for the above mentioned.

113. Assistance for the School of Distance Education.

The School of Distance Education is allocated Rs 50 lakhs for the development and expansion of academic activities, necessary innovations and related programs.

114. Waste treatment facility will be provided at all teaching departments and hostels.

In all University hostels and teaching departments waste treatment plants will be provided. In addition to this a proposal for hard waste storage and treatment facility will also be implemented. For the above mentioned proposal an amount of Rs 25 lakhs is allocated.

115. A special centre for Start ups will be established.

As the University promotes research activities for the accomplishment of social construction and progress, there is a need for a specific centre with

adequate facilities and funding for the encouragement of start ups. An amount of Rs 25 lakhs is allocated for the purpose.

116. All academic centres to be brought under a single stream.

All the academic centres under the respective teaching departments will be accumulated into a single stream so that their activities can be expanded and those centres that can be linked together will be effectively done.

117. The University library to initiate a multi disciplinary research centre.

The University library which has been a chief source of knowledge and a historically significant institution will accommodate a multi disciplinary research centre so that diverse research areas and fields can be effectively connected as well as unified. An amount of Rs 25 lakhs has been allocated for the necessary material requirements.

118. The procedure to unify the two university campuses in Kariavattom will be initiated.

The procedure for the establishment of an over bridge or an underpass in order to link the two campuses in Kariavattom will be commenced.

119. New entrance (doorway) for Kariavattom Campus.

Kariavattom Campus is the academic face of the University. The absence of an entrance that stands in tune with the academic brilliance and the legacy of the University has been a limitation for a long time. Both the campuses in Kariavattom will get new doorways and for the purpose an amount of Rs 25 lakhs has been allocated and the assistance of expert architects will be made to use.

120. Mahathma Ayyankali study centre will be upgraded into a teaching and research centre.

Mahathma Ayyankali Centre, named after the social reformer Ayyankali that presently is a part of the University will be upgraded into a teaching and research centre and for the progress of this an amount of Rs 10 lakhs has been allocated.

121. University observatory will be renovated.

University observatory is a prestigious and important asset of the University which has been primarily established for the observation of the celestial space. Observatory will be renovated and made accessible to the visitors

(general public) with additional facilities. For the purpose an amount of Rs 50 lakhs has been allocated.

122. The University plans to propagate Gandhian Principles and doctrines.

Gandhian principles have been an essential part of the humanitarian perspective and human epistemology. Gandhian study centre and Student Services Directorate plans to organise programs for the proliferation of the great leader's principles and for this an amount of Rs 3 lakhs has been allocated.

123. District wise centres of the University will be expanded.

New student service centres and evaluation centres will be initiated at Kollam, Anchal and Pandalam. An amount of Rs 50 lakhs has been allocated.

124. Studies related to expatriate malayali population (malayali diaspora) will be provided with the needed assistance.

Malayali diaspora lives in different parts of the globe and their contribution to the fields of education, economy, social progress and medicine is invaluable. The expatriate population is deeply rooted in the socio-cultural fabric of Kerala and continues to make substantial contributions in employment generation in the state. The proposed study is a historical investigation into their immense and multifaceted contributions. An amount of Rs 25 lakhs has been allocated.

125. Inter University Centre for Malayalam Language (IUCML).

An amount of Rs 1 lakhs is allocated for the continual activities of the Inter University Centre for Malayalam Language (IUCML)

126. The best college library to be presented with an accolade.

Competent and resourceful libraries constitute an important part of the academic facet of an institution. The best library among the affiliated colleges of the University will be selected and acknowledged with an award and prize money (Rs 25,000).

127. A martial arts academy of international standard will be established.

Martial Arts have a great history in our state. It is proposed to establish a Martial Arts Academy of international standard. An amount of Rs 10 lakhs is allocated for the initial phase of the establishment of the academy.

128. The possibility of establishing Venom Institute will be taken into consideration.

The possibility of a Venom institute that meets the national standard and wherein anti venom can be developed from the snake poison will be effectively looked into. For the purpose an amount of Rs 10 lakhs is allocated.

129. University post doctoral fellowships will be made more attractive with greater financial aids and assistance.

The social relevance of the post doctoral research carried out in the University will be examined and the researchers who are identified with a significant body of work will be provided with contingency aids. An amount of Rs 25 lakhs is allocated for the purpose.

130. Research Directorate

Research directorate with modern facilities and technical features will be enabled with all the research procedures being upgraded into the online mode. The University has been indulging in significant research activities and projects. The realm of research will be made more active by increasing the number of research departments in the affiliated colleges and by bringing in a significant increase in the intake of students. Research activities that facilitate social construction and progress as well as quality research should be promoted. Many of the university's research activities can be connected to industries and other commercial enterprises and the pace of this linking process should be increased. Research directorate is expected to facilitate all these activities. The university is in the final stages of developing an online platform that can significantly reduce the official technical and procedural hindrances and will facilitate in the multiple stages of research such as the online application, the submission of the thesis and the virtual conducting of open defense. It is expected that all these development programs will be successfully achieved within the financial year subsequently contributing to an increase in the quality of research. An amount of Rs 50 lakhs is allocated for the physical and material development of the directorate.

131. Financial assistance will be provided for the renovation and the improvement of the University quarters.

An amount of Rs 50 lakhs has been allocated for the renovation of the University quarters in Kariavattom campus and for the roofing of the B type quarters.

132. Water treatment plant and waste management system will be established in Kariavattom campus.

Purity of water and the presence of a clean environment in the campus is an important aspect. The water purity in Kariavattom campus is affected by the research related chemical discharge from laboratories. In order to solve this issue and maintain the purity of water and the cleanliness of the environment a water treatment plant and waste management system will be installed. For this purpose an amount of Rs 1 Crore is allocated.

133. Senate Hall will be renovated and upgraded with modern technology.

The Senate hall that resides in the centre of the administrative campus is a building of historical importance. A proposal will be made for the renovation and the contemporary technological upgradation and improvement of the building. For the purpose an amount of Rs 2 Crores has been allocated.

134. Efforts will be made to ensure that Malayalam (Mother Tongue) is given its due importance.

The state government had suggested the implementation of Malayalam as the official language for the administrative purposes. The University will intensify the attempt to incorporate this suggestion in the entirety of the administrative realm. Books published by the University including the syllabus of the various courses will be made available in Malayalam and this shift will be achieved in stages. Most degree examinations conducted by the university can be written in Malayalam. The possibility of extending this provision for all examinations conducted by the university will be examined and the appropriate changes will be implemented.

135. Assistance for the activities of the IQAC.

The academic activities of the University are led by the IQAC and efforts will be made to increase the productivity and progress. The coordinators of IQAC from all the affiliated colleges will be provided with the necessary training.

An amount of Rs 50 lakhs has been allocated for the holistic functioning of the IQAC.

136. A welfare activity (program) of the name, 'Care' that encompasses all the teaching and the non teaching staff will be implemented.

Care will be implemented making sure of the unanimous participation of all the University teaching and non teaching staff. Every participant must invest a fixed amount on a monthly basis and the benefits of the program will be provided to the individuals in need. And at the time of retirement the total amount invested by each employee will be returned as a single payment. These are some of the unique features of the program which is envisaged under the direction and complete control of the University. An amount of Rs 10 lakhs has been allocated as the primordial capital for the initiation of the welfare project.

137. Hydro-geological study will be conducted at the Sasthamkotta fresh water lake.

Sasthamkotta fresh water lake is one among the most important fresh water lakes in the state. Kerala University Geology department has made a proposal for the protection and preservation of the lake. The above mentioned is a significant social intervention made by the University and for the proposed study an amount of Rs 5 lakhs has been allocated.

138. Women's Legal Aid Clinic

The Women's Legal Aid Clinic aims to provide legal aid to needy and homeless women, organize legal awareness classes for them, and provide free legal aid to resolve legal issues. Women's Representatives and College Teachers' Representatives from the suburbs of the various districts bordering the University will be trained as Master Trainees on a district basis and then legal awareness classes will be conducted on a Grama Panchayath basis. The clinic aims to set up voluntary organisations (paralegal volunteers) for legal aid and legal redress for women and to seek it through other solutions. In addition to the work of the clinic, the clinic also aims to organize LokAdalats with the help of District and Taluk based Legal Aid Authorities. An amount of rupees 5 lakhs is set apart for these needs.

139. Self-governing institutions run directly by the University of Kerala will be made more efficient.

UIT, KUCTE, and UIM, Currently run directly by the University of Kerala, need to be made more efficient. The University aims to provide basic facilities to the mentioned institutions with the help of the representatives of the local bodies to bring higher education to the countryside without any profit or loss. But there was not enough cooperation from most of the places. There must be a plan to shut down some of the institutions that are not profitable, lacking basic infrastructure and having no hope for development and there must be a plan to focus on the rest and upgrade them to a better standard. For conducting exams new Computers and printers would be purchased to print question papers as per the new software. An amount of rupees 25 lakhs is set apart for this. An amount of rupees 50 lakhs will be set apart for the purchase of furniture and computers for the required labs at UIT, KUCTE and UIM. KUCTEs need to move to the modern level of teacher learning. All the KUCTEs would be improved to better standards. The first step will be to set up a Content Creation Lab at KUCTE.

140. Academic audits will be conducted in the teaching departments

Facilities in the University Departments will be improved as suggested by the National Academic Agencies and academic audits and academic support will be provided. Audits will be conducted to check the efficient utilization and progress of the library, laboratory, and student academy related activities, recreational facilities, canteen facilities, health services, physical facilities and various projects. An amount of rupees 15 lakhs is set apart for this.

141. Green Protocol to be implemented more successfully

The plan is to reduce the amount of carbon on the Kariavattomcampus and make the Green Protocol more successful. Battery vehicles and bicycles will be added for commutes within the campus. A comprehensive study will be carried out for Groundwater wells, ponds, reservoirs and storage tanks. An amount of 10 lakhs have been set apart for this.

142. Assistance will be given to research journals

Operational assistance will be provided for UGC Care Listed journals published from accredited research Centres of the University of Kerala. Rupees 25 lakhs has been set apart for this.

143. The Comprehensive Enterprise Resource Planning System (ERP) at the University of Kerala.

There will be an implementation of a comprehensive Enterprise Resource Planning system, coordinating the various departments of the University of Kerala. An integrated software system will be developed to coordinate administration, academic, examination, finance and planning. ERP is designed by retaining the practical capabilities of the software currently being developed. ERP is implemented by simplifying the process procedures in a timely manner and subjecting it to a Business Process Re-engineering. This aims to provide greater transparency in the activities, policy making and decisions of the University. By implementing the ERP system, better services can be made available to the student- academic community. An amount of rupees 30 lakhs is allocated for the provision of computers and allied equipment for the renovation of the Computer Centre which is being implemented with the full cooperation of the State Government.

144. Special training will be organized for the teachers of the affiliated colleges of the University of Kerala to adopt innovative approaches in technical and administrative activities. Rupees 5 lakhs has been provided for this.

145. An amount of rupees 25 lakhs is sanctioned for allocating research grant to research Centres in affiliated colleges by setting specific criteria.

146. Recognition will be given to the affiliated colleges for their excellence in Sports. An amount of rupees 2 lakhs is set apart for this.

147. An amount of rupees 5 lakhs is set apart for setting up a recording studio for the Department of Music of the University.

148. Seed 'Money will be provided to the teachers of the Departments to assist in new research. An amount of rupees 25 lakhs is sanctioned for this.

149. Rupees 25 lakhs has been set apart for imparting skill development training to research guides and teachers in the Departments.

150. An amount of Rupees 5 lakhs is sanctioned to the Department of Botany of the University for research related to pepper cultivation.

151. An amount of Rupees 15 lakhs is sanctioned for AcREM - STEM for the development of 3D printing technology for Skin Care research.

Ladies and Gentlemen, several projects have been included in this Budget. In addition, issues that require significant interventions are brought to the attention of the assembly. There should be efforts to increase the domestic revenue for the progress of the University. Steps have been taken to make available to the University, the sources of income which are stalled due to legal issues. On the subject of Annual Administration Fees, Hon. High Court has given the University a fair legal settlement. A portion of the rent from the Green Field Stadium was obtained by the intervention of the State Government. A large sum is still need to be received. Steps are being taken to get the exact amount due from the colleges in the form of special fees etc. The revenue due for the university should be ensured through various means like this. The University of Kerala should be able to move forward with a strong financial position as more interventions need to be made to address the areas that are causing losses.

The building facilities are also increasing exponentially as the university develops. In addition, Cliff and other labs have more expensive equipment. The maintenance of these in the coming years is an important responsibility and a portion of the domestic revenue should be set aside for maintenance.

Procedures have been initiated on the basis of the report submitted by the subcommittee appointed by the syndicate to simplify and expedite the administrative procedures. The Right to Service Act has been approved by the University. On the basis of this, the university should be able to take more effective measures to provide services to students, teachers and the general public

Despite the crisis of the pandemic (Covid), the University managed to conduct exams. The University's decision to conduct district-wise examination Centres for the convenience of students outside the confines of the university has garnered positive feedback on a national basis. The results of the examinations have been announced in a very timely manner. The examination system should be strengthened and the examination department should be able to declare the result

of the revaluation in a timely manner. Exams should be completed on time without submitting to the requirements of postponement.

The budget proposals presented here address the purpose and mission of the University of Kerala. The scope of operation of this university covers all the hilly, inland and coastal areas. I have in front of me the faces of the students who come to study at the University of Kerala and the parents who send them with prayers. We wish that through the colours of their dream we see a universal colour.

More and more students are coming to this university from other countries. We need to be able to give more colours to the dreams and hopes for the brothers and sisters coming to this University in search of knowledge. Our university should be of world class standard. This budget is trying to shed light on that. I am hopeful that every suggestion in this budget will be helpful in strengthening the university. I respectfully submit this for your consideration.

Thank you...

(Included amendments and additions announced in response to discussions in the Senate on 26-03-2022).