

ANNUAL REPORT

2021-22



THE KERALA STATE HIGHER EDUCATION COUNCIL

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FOREWORD

It is a matter of great pride and pleasure to present the annual report that contains the description of a year long activities and the attainment of their desired outcomes. As usual, during 2021-22 as well, the Council has been planning and executing various anticipatory measures to cope with the fast-changing higher education world. It is profusely gratifying to note that we were able to implement with added effectiveness the digital empowerment of colleges and offering hands-on training to the teaching faculty in using the learning management system.

Establishment of the KALNET and operationalisation of the E-Journal Consortium were the long awaited plans that the Council could materialise during the period. A commendable achievement of the Council is that it could secure administrative sanction for over a hundred crore rupees worth projects. Since the report embodies a detailed item-wise description of all the enterprises, I do not want to reel them out over here.

Signposts of success in the Annual Report encourage the Council to go ahead more confidently. A striking difference from the past we want to put on record is that the Council has now a clear roadmap towards its envisaged future, thanks to the clearly delineated long-term projects.

I express my sincere gratitude to the Hon'ble Minister for Higher Education and officials of the department and the entire staff of the Council for their efforts during the report year.

Prof. Rajan Gurukkal P.M

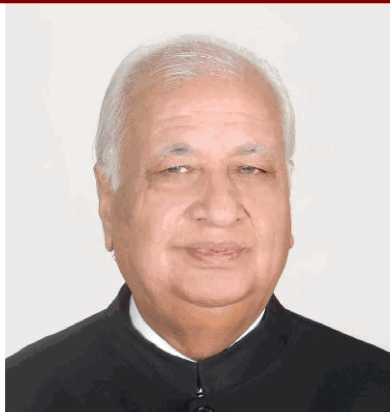
Vice Chairman

Thiruvananthapuram

April 4, 2022



PATRON



Shri. Arif Mohammed Khan
Hon'ble Governor of Kerala

VISITOR



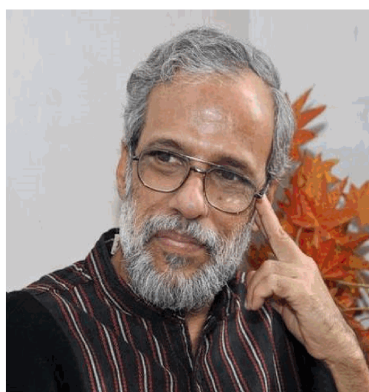
Shri. Pinarayi Vijayan
Hon'ble Chief Minister of Kerala

CHAIRPERSON



Dr. R Bindu
Hon'ble Minister for Higher Education

VICE CHAIRMAN



Prof. Rajan Gurukkal P.M

**MEMBER
SECRETARY**



Dr. Rajan Varughese



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SETTING UP OF THE COUNCIL

The National Education Policy of 1986 envisioned state level agencies for coordinating educational activities. The Kerala State Higher Education Council is such an agency that came into existence, following the Kerala State Higher Education Council Act (No.22) passed by the State Legislature in 2007. The State Higher Education Council was earlier set up in 2000 through an executive order, but it had only a short life. Subsequently in 2003, a chapter on State Council of Higher Education was included in the Unified Universities Bill presented in the State Assembly, but that was never enacted. In 2005, the Government organized a one-day workshop involving Vice-Chancellors, academics and administrators. On the basis of the discussions held at the workshop, a draft Ordinance was prepared, and later turned into a draft Bill. However, this Bill was also not enacted. In 2006, a Higher Education Commission under the Chairmanship of Dr. K.N. Panikkar was appointed for making recommendations to the Government for constituting a Higher Education Council. On the basis of the recommendations submitted by the Commission, the Kerala State Higher Education Council was set up on 16th March 2007 through an Ordinance that was later legislated as the Kerala State Higher Education Council Act 2007 (Act 22 of 2007).

Kerala State Higher Education Council Act 2007 was amended through an ordinance by the Government of Kerala on July 2017 and subsequently legislated as the Kerala State Higher Education Council (Amendment) Act (Act 19 of 2018). The major provisions of the amendment are;

- (1) Amendment of the preamble:—In the principal Act, in the preamble, in the first paragraph after the word "experts", the symbol and the word ", students" is inserted

- (2) Substitution of certain expressions by certain other expressions: – In the principal Act, for the words "Advisory Council", "Executive Council" and "Governing Council", wherever they occur, the words "Advisory Body", "Executive Body" and "Governing Body" are respectively substituted
- (3) Collaborate with the Government in the implementation of RUSA and similar centrally sponsored schemes and other central sector schemes within the State;
- (4) Evolve common academic guidelines for Universities in the State for mutual recognition, approval or equalization of academic programmes/areas of studies and nomenclature thereof;
- (5) Evolve common academic guidelines for Universities in the State for recognition, approval or equalization of academic programmes/ areas of studies and nomenclature thereof of various programmes conducted by Universities or higher education institutions outside the State and outside the country;
- (6) The Patron may refer any matter relating to higher education and higher educational institutions as he deems fit, for the expert opinion of the Council."
- (7) The Visitor may refer any matter relating to higher education and higher educational institutions, as he
- (8) It shall nominate one of its members to 'the Academic Council of each University' The Council plans and executes schemes and programmes that ensure social justice, access and quality in higher education.

CONSTITUTION OF THE COUNCIL

The first Kerala State Higher Education Council came into existence on 16th March 2007, with the renowned educationist and historian Dr. K.N. Panikkar as its Vice-Chairman and Prof. Thomas Joseph as Member Secretary. The tenure of this Council ended on 15th September 2011. Subsequently, the second Higher Education Council, with Shri. T.P.

Sreenivasan, the retired Ambassador as the Vice-Chairman and Dr. P. Anvar as Member Secretary, was formed on 12th October 2011. Its term came to an end on 11th April 2016. The third council with Prof. Rajan Gurukkal P.M, former Vice Chancellor of Mahatma Gandhi University, Kottayam and renowned historian, as Vice Chairman and Dr. Rajan Varughese, Former Pro Vice Chancellor, Mahatma Gandhi University as Member Secretary was constituted on 7th November 2017.

Council	Term	Vice Chairman	Member Secretary
1 st Council	2007-2011	Prof. K.N.Panikkar	Prof. Thomas Joseph
2 nd Council	2011-2016	Shri. T.P. Sreenivasan	Dr. P. Anvar
3 rd Council	2017-onwards	Prof. Rajan Gurukkal P.M	Dr. Rajan Varughese

The Kerala State Higher Education Council is constituted by the Government of Kerala by Notification as per the Kerala State Higher Education Council Act, 2007 and Ordinance 2017.

RESPONSIBILITIES AND FUNCTIONS

The Council shall have the following general responsibilities and functions, namely:-

- to render advice to the Government, Universities and other institutions of higher education in the State;
- to coordinate the roles of the Government, Universities and apex regulatory agencies in higher education within the State;
- to evolve new concepts and programmes in higher education;
- to provide common facilities in higher education without impinging upon the autonomy of other institutions of higher education.

STRUCTURE OF THE COUNCIL

The council has a three-tier structure, consisting of advisory body, governing body and executive body.

I. Advisory Body

This is a 35 member body consisting of the Chief Minister, Minister for Higher Education, Minister for Health, Minister for Law, Minister for Agriculture, Leader of the Opposition in the Assembly.

Members

Shri. Pinarayi Vijayan

Chief Minister (The Visitor)

Dr. R.Bindu

Hon. Minister for Higher Education (The Chairperson)

Shri. V.D. Satheesan

Hon. Leader of Opposition in the Assembly

Smt. Veena George

Hon. Minister for Health and Family Welfare

Shri.Prasad

Hon. Minister for Agriculture

Shri. P.Rajeeve

Hon. Minister for Law

Prof. Rajan Gurukkal P.M

Vice Chairman

Dr. Rajan Varughese

Member Secretary

Members of Parliament

(1) MP

(2) MP

Five Members of Legislative Assembly

(1) MLA

(2) MLA

(3) Sri. Muhammed Muhasin P.

(4) MLA

(5) MLA

Vice Chancellor outside the State University

(Will be nominated by Govt. later)

Prof. V K Ramachandran

Vice Chairman, State Planning Board

Adv.P Satheedevi

Chairperson, Women's Commission

Shri.V.P Joy IAS

Chief Secretary, Government of Kerala

Shri. V. K. Mathew

Executive Chairman, IBS Group of Companies

(A Prominent Industrialist or Businessman)

Dr. K. Sachidanandan

(An Eminent person from the field of Arts and Literature)

Dr. Prabhat Patnaik

(An Eminent Social Scientist)

Shri. P. Sainath

(An Eminent Person from Print or Visual Media)

Dr. M.S. Valiathan

(An Eminent Member from the Medical Profession)

Shri.P.R. Sreejesh

(An Eminent Sports Person)

Prof. E.D Jemmis

(An Eminent Scientist or Technologist)

Dr. C. Bhaskaran

(An Eminent Agriculturist)

(An Eminent Jurist)

(One Grama Panchayath President)

(One Block Panchayath President)

(One District Panchayath President)

(One Municipal Chairperson)

(One Mayor)

One Chairman or Vice Chairman of a SHEC outside the State of Kerala

(Will be nominated by Govt.)

One Vice Chancellor of a Central University outside the State

(Will be nominated by Govt.)

II. Governing Body

Members

Dr. R.Bindu (Chairperson)

Hon. Minister for Higher Education

Prof. Rajan Gurukkal P.M

Vice Chairman

Dr. Rajan Varughese

Member Secretary

Five Educationalists

(1) Dr. Fathimathu Zuhara

(Former Professor, Department of Life Science,
University of Calicut),

7-A Sky Line Bay water, Corporation Office Road P.O,
Calicut Beach, Kozhikode -673032

(2) Dr. J. Rajan

(Dean, Faculty of Management Studies, University of Kerala),
Lekshmisree, E-44A, Sasthri Nagar,
Karamana P.O, Thiruvananthapuram-2

(3) Dr. Joy Job Kulavelil

(Former HOD, Department of Botany, UC College, Aluva), HB 48, KKP
Nagar,
UC College P.O, Aluva -2

(4) Dr. R.K. Suresh Kumar

Janaka, Hospital Road, Sasthamangalam.
Thiruvananthapuram

(5) Dr. K.K Damodaran

Principal, Govt. College, Malappuram

Vice Chancellors of All Universities

1. Prof. V. P. Mahadevan Pillai

Vice Chancellor, University of Kerala

Senate House Campus, Palayam, Thiruvananthapuram-695 034

2. Prof. R.Chandrababu

Vice Chancellor, Agricultural University, Vellanikkara,
Thrissur - 680656

3. **Prof. Sabu Thomas,**
Vice Chancellor, Mahatma Gandhi University
Priyadarshini Hills, Athirampuzha, Kottayam – 686560.
4. **Prof.M.K Jayaraj**
Vice Chancellor, Calicut University, Calicut University PO, Malappuram-
673635
5. **Dr. Rajasree M S**
Vice Chancellor APJ Abdul Kalam Technological University,
CET Campus, TVM – 695016
6. **Prof. K.N Madhusoodanan**
Vice Chancellor, Cochin University of Science And Technology(CUSAT),
Kochi – 22
7. **Dr.K. Mohanan**
Vice Chancellor
Kerala University of Health Science,
Medical College.P.O., Thrissur - 680596
8. **Prof. Gopinath Ravindran**
Vice Chancellor, Kannur University, Kannur – 670002
9. **Prof. K.Riji John**
Vice Chancellor
Kerala University of Fisheries and Ocean Studies
Kochi – 682506
10. **Prof. M V Narayanan**
Vice Chancellor
Sree Sankaracharya University of Sanskrit, Kalady.P.O.,
Ernakulam – 683574
11. **Prof. V. Anil Kumar**
Vice Chancellor
Thunchath Ezhuthachan Malayalam University
12. **Prof. M R Saseendranath**
Vice Chancellor
Kerala Veterinary and Animal Science University,
Pookode, Lakkidy.P.O., Wayanad – 673576

13. Prof.K. C. Sunny

Vice Chancellor

The National University of Advanced Legal Studies,

NUALS Campus, Kalamassery, Ernakulam – 683503

14. Dr.T.K. Narayanan

Vice Chancellor,

Kerala Kalamandalam Deemed University for Arts and Culture,

Vallathol Nagar, Cheruthuruthy P.O., Thrissur-679531

15. Prof. Saji Gopinath,

Vice Chancellor, Digital University Kerala,

Thiruvananthapuram

16. Dr.P.M Mubarak Pasha

Vice Chancellor, Sree Narayana Gauru Open University

Kollam

A Teacher Member

(Will be nominated by the Universities)

Two Student Representatives

Person who has distinguished himself in Extension Activities

Dr. R.V.G. Menon

Haritha, Mudavanmughal, TVM

Director of a Research Institution

The Kerala Engineering Research Institute

Peechi, Thrissur-680 653

The Member of The State Planning Board in charge of Education

Dr. B. Ekbal

A nominee of the University Grants Commission not below the Rank of Joint Secretary

The Secretary to Govt.Higher Education Department

Dr.V Venu IAS

Additional Chief Secretary, Higher Education Department

The Secretary to Govt. Finance Department

Shri. Rajesh Kumar Singh IAS

Additional Chief Secretary, Finance Department

The Director of Technical Education

Dr. Byjubai T.P

Director of Technical Education

The Director of Medical Education

Dr. Remla Beevi. A

The Executive Vice President Kerala State Council for Science Technology and Environment

Prof. K.P.Sudheer

The Director of Collegiate Education

Smt. Vigneshwari IAS

The Agricultural Production Commissioner

One Nominee of MHRD, Govt. of India, Not Below the Rank of Joint Secretary

State Project Director, RUSA

Dr.V Venu IAS

Additional Chief Secretary, Higher Education Department

One Principal of Affiliated College

(Will be nominated by the government later)

One Non Teaching Staff Member of University or College

Shri.N Sathyanandan,

UD Clerk (Hg), Mahatma Gandhi College, Iritty

III. Executive Body Members

Prof. Rajan Gurukkal P.M

Vice Chairman, KSHEC

Ph: 9483861096

rgurukkal@gmail.com

Dr. Rajan Varughese

Member Secretary, KSHEC

Ph: 9446531005

rajanvarghese60@gmail.com

Prof Gopinath Ravindran, Vice Chancellor

(One of the Vice Chancellors, nominated by rotation by the government for a period of one year)

Five Educationalists nominated under clause (d) of Section 14

1. Dr. Fathimathu Zuhara

(Former Professor, Department of Life Science, University of Calicut),
7-A Sky Line Bay water, Corporation Office Road P.O, Calicut Beach,
Kozhikode)

2. Dr. J. Rajan

(Dean, Faculty of Management Studies, University of Kerala),
Lekshmisree, E-44A, Sasthri Nagar, Karamana P.O, Thiruvananthapuram-2

3. Dr. Joy Job Kulavelil

(Former HOD, Department of Botany, UC College, Aluva),
HB 48, KKP Nagar, UC College P.O, Aluva -2

4. Dr. R.K. Suresh Kumar

Janaka, Hospital Road, Sasthamangalam.
Thiruvananthapuram

5. Dr. K.K Damodaran

Principal, Govt. College, Malappuram

6. Dr.V Venu IAS

Additional Chief Secretary, Higher Education Department, *ex-officio*

Meetings of the Bodies of KSHEC during 2020-21

i. Governing Body Meeting

Two meetings of the Governing Body were held during the report year as given below.

08.07.2021
25.10.2021

ii. Executive Body

Four meetings of the Executive Body were held during the report year as given below.

06.07.2021
22.10.2021
07.12.2021
25.03.2022

COMMITTEES CONSTITUTED BY KSHEC DURING 2021-22

I. Advisory Committee for Centres of Excellence

The Government of Kerala has announced the Centres of Excellence as an alternative to overcome the overall backwardness of the state's higher education sector due to the slow response of most universities and colleges to measures of quality assurance. Accordingly, the Budget of the year 2021-22 has provided for a provision to establish 30 Centres of Excellence during the financial year. With a view to advising the Government in the implementation of the Budgeted item, The Vice Chairman of the Kerala State Higher Education Council has constituted an Advisory Committee for Centres of Excellence envisaged in the State budget (2021-22) with the following members as detailed below.

1 **Chairman**

Dr. Padmanabhan Balaram

Former Director, IISc, CV Raman Road, Bangalore – 560012

Ph: 09945043004

email: pb@iisc.ac.in

Special Invitee

2 Prof. Vijaya Raghavan

National Centre for Biological Sciences (NCBS)

Currently, Principal Scientific Adviser, Govt. of India

vijayraghavan@gov.in

3 Prof. Romila Thapar (Professor Emeritus, Jawaharlal Nehru University)

Members

4 Prof. Rajan Gurukkal

Vice Chairman, KSHEC

5 Prof. Sankaran Valiathan

National Research Professor, Manipal University, School Life Sciences,

Dr. T.M.A. Pai Planetarium Complex, Manipal, Pin: 576104, Ph: 09448381547

Email: msvaliathan@gmail.com

6 Prof. Satheesh.S.K

CAOS, IISc, CV Raman Road, Bangalore – 560012, Ph: 09448360274

- Email: satheesh@caos.iisc.ernet.in
- 7 Prof. Satyajit Mayor
Director, NCBS, Tata Institute of Fundamental Research, Bellary Road,
Bangalore – 560065
Ph: 918023666001/918023666018
Email: mayor@ncbs.res.in
- 8 Prof. Suresh Das
Former Vice Chairman, KSCSTE, Thiruvananthapuram
Ph: 09447706202
Email: sureshdas55@gmail.com
- 9 Prof. Raman Sukumar
Retired Professor, CES, IISc, CV Raman Road, Bangalore – 560012
Ph: 09448275600 email: rsuku@iisc.ac.in
- 10 Prof. H.A. Ranganath
Former Vice Chairman, Bangalore University, Bangalore
Ph: 09902300909
Email: haranganath@gmail.com
- 11 Prof. Prabhat Patnaik
Professor Emeritus, JNU, New Delhi
Ph: 09953057998
Email: prabhatptnk@yahoo.co.in
- 12 Prof. Jayakrishnan.A
Former Vice Chancellor, Kerala University
Ph: 09946792226
Email: drjk.sct@gmail.com
- 13 Prof. Gagandeep Kang
The Wellcome Trust Research Laboratory, Division of Gastrointestinal
Sciences, Christian Medical College, Vellore, TN – 632004, India
Ph: 91-4162282052
Email: gkang@cmcvellore.ac.in
- 14 Prof. Gangan Prathap
Former Vice Chancellor, CUSAT
Ph: 09968967166
Email: ganganprathap@hotmail.com
- 15 Prof. Divakaran.P.P
Former Professor, IUCA, Pune

ppdppd@gmail.com

Ph: 09496254791

16 Prof. Ajayaghosh.A

Director, NIIST, Thiruvananthapuram

Ph: 09446059059, Email: ajayaghosh62@gmail.com

II. Kerala Institutional Ranking Framework (KIRF)

The State envisages the formation of State Level Institutional ranking framework in tune with the core qualities and components of National Institutional Ranking Framework (NIRF). The Kerala Institutional Ranking framework (KIRF) incorporates additional three criteria of State specific components that can capture the uniqueness and diversities of the State's achievements and adversities thereby patronising the socio-cultural heritage and values that the State has sculptured over the period of its democratic era.

The ranking methodology of KIRF is formulated on the basis of developing a set of metrics and on the parameters that are pertinent components in the NIRF.

An Oversight Committee under the Chairmanship of Dr. Gangan Prathap (Former Director, CSIR-NIIST Trivandrum) was constituted for the formation of the Kerala Institutional Ranking Framework (KIRF)

ACADEMIC DIVISIONS OF THE COUNCIL

Most of the academic activities of the Council fall under its three Centers viz:

- (1) Centre for Research on Policies in Higher Education
- (2) Centre for Curriculum Development and Examination Reforms
- (3) Centre for Human Resources Development and Capacity Building.
- (4) Faculty Development Centre. (FDC)
- (5) State Assessment and Accreditation Centre. (SAAC)

I. Centre for Research on Policies in Higher Education

The Kerala State Higher Education Council provides advice on policy matters to the Government in general and on specific issues referred to the Council by

the Government. During the report year the Council provided reports/ recommendations on the following matters/ areas.

I. Journal-Higher Education for the Future

The journal *Higher Education for the Future* (ISSN:2347-6311; Online ISSN: 2348-5779) is being published by the Kerala State Higher Education Council in collaboration with SAGE Publications India(Pvt.)Ltd. The journal, a biannual is published in January and July and is into its ninth volume.

The journal is a member of Committee on Publication Ethics (COPE). It has an Editorial Board and an International Advisory Board consisting of several prominent academicians from India and abroad.

The journal uses SAGE Track, an online submission and peer review system, which enables submission of manuscripts through the journal's portal and allows an author to keep track of the manuscript at its various levels of review

It has been indexed in the following databases

- DeepDyve
- Dutch-KB
- ERIC (Education Resources Information Center)
- Indian Citation Index (ICI)
- J-Gate
- OCLC
- Ohio
- ProQuest
- SCOPUS
- UGC-CARE (GROUP II)

The journal has a cite score value of 0.300 and SCImago Journal Rank (SJR) of 0.106

The journal has a wide range of readership as it has articles from countries like Ethiopia, Bangladesh, United States, Malaysia, Pakistan, Spain, Portugal, Nigeria, United Kingdom, China, Eritrea, Namibia, Brazil, Saudi Arabia, South Africa, Australia, Canada etc.

With increased subscription, the journal also earns royalty from its subscription.

II. Kerala Academic Libraries Network (KALNET)

Project for Digitisation of Library Resources & Development of Kerala Academic Library Network (KALNET)

The KSHEC has formed the Kerala Academic Library Network (KALNET) in February 2021. It is a single unified search interface for library resources / collections of different academic libraries in Kerala. It covers library resources of 11 Universities 147 libraries and 15 lakh Titles. In addition to books, other library resources such as Journals, PhD Theses, audio books and various reports are also indexed.

Participating Universities and Total Books/ Collections

Sl No	University	Collections in KALNET
1.	University of Kerala	5,07,313
2.	University of Calicut	3,21,526
3.	Cochin University of Science and Technology	1,84,221
4.	MG University	1,54,387
5.	Kerala Agricultural University	1,24,619
6.	Kannur University	82,863
7.	Sree Sankaracharya University of Sanskrit	73,902
8.	Thunchath Ezhuthachan Malayalam University	29,190
9.	Kerala Veterinary and Animal Sciences University	23,767
10.	Kerala University of Fisheries and Ocean Studies	15,751
11.	National University of Advanced Legal Studies	11,977
	Total Collection	15,29,516

Linking Colleges

The next step is to initiate the affiliated colleges to have a computerised database (preferably koha), a process that has to be taken up by the affiliating universities. Though some College libraries have well established computerised catalogue, work yet is to be done to computerise the collection of the other libraries. Once completed, the network of college libraries can be formed and also be linked to the KALNET.

Training is to be imparted to the library professionals to create a database based on koha software and a staff in each university to be given the responsibility to migrate the data of the college libraries and link it with KALNET.

Services to be Offered

KALNET should initiate Inter-library loans (ILL) and Document Delivery Services (DDS) from the comprehensive collection of the institutions under KALNET.

The services would be available only to those who have membership in the library.(?)

Document Delivery Services

Document delivery is a library service which copies non-returnable literature required by library users, including book chapters, images, journal articles, manuscripts, maps, reports, and other library collections and then emails or sends them to library users through the universities.

Inter Library Loan

ILL would allow a library to borrow library materials, such as audios, books, journal articles, and videos, from other libraries in the library network for a specified time.

Method of Delivery of Materials

All the university libraries should have a designated section for document delivery to fulfill DDS/ILL requests from the libraries.

Users can request for documents that are not available in that library through their Universities. This a borrowing library will send an online request to potential

lending libraries. Each lending library in the system should have a total of 4 working days to respond to the request before it is passed on to the next lending library. The DDS/ILL system will automatically forward the request in turn to the next lending library until the request is fulfilled.

After agreeing to supply the item, the lender library adds to the ILL record information concerning the restriction of use of the loaned item, the mode of delivery, due date and charges to be paid. In terms of level of service, as the system is library-to-library, this is negotiated between borrower library and lender library.

The process would involve receipt of the request from the user identification and location of required document, procurement of document, copying the required portion of the document, if required, and delivering the original/copy of the required portion of the document to the user through the University Library.

The delivery from one library to another library could be either by post/courier or transmission of soft copy as e-mail attachment.

An account should be opened at each delivery centre with a minimal account (to be fixed)

In case of Inter Library Loan, the users can request only through their library and the copy of the book delivered at the requesting library will be available only for reference and not issued to the user. The copy should be returned back after the specified time. The costs should be borne by the user.

KALNET - Phase II - Project for Digitisation of Library Resources in Universities and Colleges in Kerala - Detailed project see Annexure - I

III. E-Journal Consortium

1. The Kerala State Higher Education Council proposed the E-Journal consortium in January 2020 in line with the declared mandate of the Council for providing quality higher education and common facilities to universities in the state.
2. E - Journal Consortium aims at providing e-journal access to all the 16 state universities and KSHEC acting as the nodal agency of the consortium. E-journals also known as online journals/ electronic periodicals are produced, published and distributed through electronic network, viz-the internet. They are

available as individual titles on payment via vendors and allow remote access and are often used simultaneously by multiple users. Consortium approach is a joint venture approach to negotiate on behalf of all member libraries, wherein a central agency performs all the activities for licensing, pricing agreement etc. for E-Journal subscription.

3. There are many e resources/e journals to which the universities need access. Ever since, UGC INFLIBNET stopped free service, the Vice Chancellors of the universities of the State in the context of rising subscription cost had taken up this issue with the Kerala State Higher Education Council to form an e-journal consortium at the state level so that continued access could be ensured for these e resources in their universities.
4. The Governing Body of KSHEC discussed the matter in detail and resolved to establish a consortium of e journals in the State to cater to the needs of the academic community in wake of the rising costs of subscription to e journals and the paucity of funds faced by the universities (GB held on 21st January, 2020, Item no 7). The Governor's Address to the State Assembly on 29th January, 2020 declared that the KSHEC will start a state level consortium for e -journals. Thus KSHEC decided to take the initiatives forward. In this context, an initial meeting was held with the Librarians of the universities on 6th February 2020 to discuss the matter. The Covid -19 pandemic delayed the process of consultations and negotiations with the universities and service providers.
5. Two committees were formed in connection with the e-journal consortium – Advisory Committee and Technical Committee. The Advisory Committee consists of all the Vice Chancellors of the participating Universities in the e-journal consortium and the Technical Committee consists of Librarians/ nominees of all the universities. The Technical Committee deals with the technical and other aspects of the functioning of the consortium.
6. The requirements of universities differ depending on the nature of the university, though there are some collections which are common to all. The universities were asked to provide a list of e-resources required by their academic community. A meeting of the Vice Chancellors was held on 29th July 2020, via videoconferencing to arrive at broad consensus in the matter of inclusion of e

- journals and sharing of the financial burden. A meeting of the Technical Committee was also held on 24.09.2020 which specified the items and terms for negotiations with the service providers
7. There is urgent need for making the consortium functional as access to e-journals are limited in universities which may adversely affect quality of research activities. Science Direct and Scopus are the most recommended e-resource of universities. Steps are being taken to prepare the final list of E-Journal/ Resource to be included in E- Journal Consortium. A Technical committee was formed consisting of the University librarians and a priority list of the e resources was prepared based on the demand from the Universities. Negotiations with the different publishers for subscribing to e resources have to be held.
 8. The UGC provides free access to some e journals to the Universities and also negotiates a rate –E Shodh Sindhu (*ESS rates*) annually with the publishers for the other e resources. Most of the publishers' quote rates are either in US Dollars or Pound. ESS rates form the basis on which the subscription rates with the different publishers are to be calculated. Additional costs would include the then conversion rates (at the time of subscription) of the foreign currency. Discussions on the ESS rates are on at the UGC-INFLIBNET level and the fixation of ESS 2022 rates are usually fixed by the end of January 2022.
 9. It may also be mentioned that some publishers are not part of UGC-INFLIBNET and their rate are to be negotiated separately. Each publisher also has different packages with different number of titles and the prices would vary depending on the collection.
 10. Based on the decision taken in the Technical Committee meeting held on 11.03.2022 negotiations were held with the publishers on 30.03.2022. Elsevier, publishers of Science Direct and Scopus has agreed to provide Science Direct journals (1500 titles in subject collections) and Scopus database for all the 16 universities and KSHEC for an amount of Rs. 8,51,44,321.96 (**Eight Crores Fifty One Lakh Forty Four Thousand Three Hundred Twenty One Only**), against the quoted price of Rs. 10,23,53,692 (**Ten Crores Twenty Three Lakhs Fifty Three Thousand Six Hundred Ninety Two Only**) as given below.

Science Direct and Scopus (after negotiation) March 30, 2022

Negotiated Price details

Science Direct (journals)				Scopus (database)			Combined
Net Price for 14 utys and KSHEC in USD	GST %	Publisher Price in USD	Publisher Price in Rupees (GOC @USD 78.80)	Net Price for 14 utys and KSHEC in USD	GST 18% GST Amount in USD	Publisher Price in Rupees (GOC @USD 78.80)	Science Direct in Rs
950340	0	950340	74886792.00	110315	130171	10257529.96	74886792.00
							Scopus in Rs.
							10257529.96
Seven Crore Forty Eight Lakh Eighty Six Thousand Seven Hundred Ninety Two				One Crore Two Lakh Fifty Seven Thousand Five Hundred Twenty Nine			85144321.96

Combined Price : Eight Crores Fifty One Lakh Forty Four Thousand Three Hundred Twenty One

For KNIMBUS the negotiated amount is Rs. 35,00,000 (Rupees Thirty Five Lakhs only), against RS 41,30,000 (Rupees Forty One Lakhs Thirty Thousand only) as quoted earlier.

Knimbus

Subscription	No. of Institutions	Price in INR	GST 18%	Negotiated Price in INR
1 year	15	5775000	533895	3500000

- The above amounts are based on GOC rates and the rate of exchange for payment are to be calculated on bank rates (Any Nationalised Bank TT selling rates) prevailing on the date of payment instead of the exchange rates based on GOC.
- The agreement is valid wef April 2022. The agreement can be extended for three years for Science Direct and Scopus with prior notice for renewal before the end of

the first year of subscription. For KNIMBUS the agreement is valid for one year wef. April 2022.

c. Negotiations with other publishers will be taken up later.

An amount of Rs. 88,6,44,321 (Rupees Eight crore Eighty Six Lakhs Forty Four Thousand Three Hundred and Twenty One only) is required initially for implementing the e-journal consortium. In Para 58 of the Budget (2021-22) Speech Rs. 10 Crore has been earmarked for implementation of e-Journal Consortium under the auspices of the KSHEC.

IV. Library

The library of the Council is a specialized one mainly related with resources on higher education. The library has a collection of 657 books, reports of the various committees constituted by the Council and newspaper clippings related to matters on the Kerala State Higher Education Council and other news related to higher education.

V. All India Survey on Higher Education

KSHEC has been designated as the State Nodal Agency unit of the All India Survey on Higher Education, a web based survey conducted annually by the Ministry of Education, Government of India. AISHE survey 2020-21 (delayed owing to Covid-19 pandemic) saw the participation of 88.3% of the HEIs from the State (Universities 100%; Colleges- 81% and Stand-Alone institutions-84%)

VI. State Level Academic Committee on Equivalency meetings (SLAC)

Meeting of the SLAC committee held on April 16, 2021 and Sept 22, 2021 discussed and resolved issues related to equivalency of degrees submitted by the students and the communications forwarded by the Department of Higher Education, Government of Kerala.

II. Centre for Curriculum Development and Examination Reforms

The major initiatives undertaken by the Council through Centre for Curriculum Development and Examination Reforms during 2021-22 are the following:

1. Training on Outcome Based Education (OBE)

In continuation to the ongoing training programme offered by the council for the faculty members of the affiliated colleges, Hands-on-training programme on Outcome Based

Education was held. The council has continued its support to the faculty members of those institutions which have already availed of this training programme and started developing their course contents in the form of OBE framework & learning taxonomy statements addressing different cognitive levels as per Bloom's revised Taxonomy. In the context of NAAC & SAAC accreditation criteria, the curriculum revision is expected to be framed under the OBE structure with emphasis on Learning Outcomes.

Online Education Training

List of Programmes on Outcome Based Education held during 2021-22

Sl.No	Programme Details	Beneficiary Institution & Participants	Date of the Programme
1	Five day Hands-on Training on Outcome Based Education (OBE) Resource Person: Dr.Manulal P.Ram, KSHEC Dr.Shefeeque V, KSHEC	Faculty Members of S.N. College, Kollam Venue: Online No.of Participants: 110	14/06/2021 to 21/06/2021
2	Five day Hands-on Training on Outcome Based Education (OBE) Resource Person: Dr.Manulal P.Ram, KSHEC Dr.Shefeeque V, KSHEC	Faculty Members of TKM College of Arts and Science, Kollam Venue: Online No.of Participants: 48	03/08/2021 To 07/08/2021
3	Five day Hands-on Training on Outcome Based Education (OBE) Resource Person: Dr.Manulal P.Ram, KSHEC Dr.Shefeeque V, KSHEC	Faculty Members of SB College Changanassery Venue: Online No.of Participants: 78	11/08/2021 To 18/08/2021

Brain Gain: Database of Keralite Academic Diaspora

The Kerala State Higher Education Council is building up comprehensive database of the Keralite-Academic Diaspora of Scientists, Social Scientists and Humanities Experts in Universities and research Institutions abroad working in the famous Universities and Research Institutions the world over and specialising in emerging areas of knowledge. Under this scheme, nearly 300 scholars have expressed their willingness to participate in this programme. They are currently working in reputed national or international academic and research institutions. The purpose of this scheme is to invite these experts for engaging with the academic and researches for the benefits of students and teachers of universities in the State. In tune with Erudite Scholars in Residence scheme of KSHEC, a corollary scheme under the name Brain Gain is also going on. This is to identify a larger group of experts ready to make themselves available for a relatively long duration but at a smaller cost for teaching and research. It will facilitate brain circulation by bringing the experts as short-term teachers, part-time collaborators in projects and co-supervisors in researches. The academic community in the state as well as Keralite Academic Diaspora around the globe can mutually contribute and share the intellectual resources for meeting the larger developmental goals and research productivity of the state.

As the first part of this programme, the council has invited a detailed academic plan from scholars for facilitating collaborations with the state universities. Mahatma Gandhi University and Kerala Veterinary and Animal Sciences University have already made their proposals to engage some eminent scholars under this scheme. The Council is shaping the framework to implement this scheme in consultation with the Vice Chancellor's of the Universities. The details of the scheme released by the council which provide information about the nature of collaborative programme, preparation of academic plan etc.

Erudite- Scholar in Residence Programme

The details of the Erudite Scholar in Residence Programmes conducted during 2021-22 are as follows:

Sl. No	Details of Scholar	Host Institution & duration of the programme
1	Prof.em.Dr.Manfred Stamm, Leibniz Institute for Polymer Research Dresden, Germany	School of Energy Materials, Mahatma Gandhi University, Kottayam 13 th to 17 th September, 2021

- (5 days)
- 2 **Prof.Dr.Friedrich Kremer,**
Universitat Leipzig, Germany
School of Energy Materials, Mahatma Gandhi University, Kottayam
20,22,27,&29 September,2021(4 days)
 - 3 **Prof. Reidar K Lie,**
Head of the Department, University of Bergen, Norway
Prof. N.R. Madhava Menon Interdisciplinary Centre for Research Ethics and Protocols, Cochin University of Science And Technology (CUSAT), Cochin
In between 1st and 22nd October 2021 (10 days)
 - 4 **Prof. Dr.Holger Schonherr,** University of Siegen, Germany
School of Energy Materials, Mahatma Gandhi University, Kottayam
19th to 23rd October,2021 (5 days)
 - 5 **Dr.Gopu R.Potty,** Associate Professor(research), Department of Ocean Engineering, University of Rhode, Island
Department of Electronics, Cochin University of Science And Technology, Cochin
6th to 10th December, 2021
 - 6 **Prof. Frederick Turner,** Founders Professor of Arts and Humanities, the University of Texas at Dallas
Department of Sociology, St.Teresa's College, Ernakulam
13th January,2022
 - 7 **Dr.Monia Acciari,**
Associate Professor in Film & Television History De Montfort University, Leicester, UK
Department of English, Nirmalagiri College, Kannur
14th March, 2022(1 day)
 - 8 **Prof.Dr.Susana Fernandes,** Universite de Pau et des Pays de l'Adour(UPPA), France
School of Energy Materials, Mahatma Gandhi University, Kottayam
9th, 10th, 16th, 17th, & 23rd March, 2022(5 days)

- | | | |
|----|---|---|
| 9 | Dr.Lynette Keeney , Royal Society-Science Foundation Ireland University Research Fellow, Advances Materials and Surfaces Group, Tyndall National Institute, University College Cork, Ireland | Department of Chemistry, Bishop Moore College, Mavelikara

28 th March, 2022 |
| 10 | Dr Jean Marc Cavaillon , Honorary Professor, Institute Pasteur, Paris, France | Department of Molecular Biology, Kannur University

14 th , 16 th , 21 st , 23 rd , & 25 th March, 2022 (5 days) |
| 11 | Prof. Keshav K.Singh , Joy and Bill Harbert Endowed Chair in Cancer Genetics, Department of Genetics, School of Medicine, University of Alabama at Birmingham | Department of Zoology, University of Kerala, Thiruvananthapuram

18 th to 22 nd March, 2022 (5 days) |

III. Centre for Human Resource Development and Capacity Building Programmes and Activities

I. Higher Education Scholarship Scheme

The very concept of instituting scholarships to meritorious students to pursue higher education was an offshoot of the declared motto of the Kerala State Higher Education Council; that is to bring about equity and excellence in higher education sector. Act 22 of 2007, by which the KSHEC was set up, empowers the council to evolve schemes for providing equitable opportunities for higher education through scholarships and free ships and financial assistance to the needy students. Invoking the foregoing provision of the Higher Education Council Act, a unique Higher Education Scholarship Scheme was framed and launched in 2009. One thousand first year undergraduate students who pursue studies in science, humanities, social science, and business study streams in Government/Aided Colleges and Universities of the State are selected for the scholarships every year. The scholarships of the awardees so selected would be renewed in the ensuing years till they complete their post graduation. Students pursuing professional courses are not eligible for Higher Education Scholarships of the Council. During the report year, 2223 UG and 668 PG scholarships were sanctioned

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with a total amount of Rs. 7,32,71,000/- (Rupees Seven Crores Thirty Two Lakhs Seventy One Thousand Only).

Higher Education Scholarships paid during the period from 01/04/2021 to 31/03/2022

Year of Scholarship	No. of Students		Amount		Total Amount		Total Paid
	Regular	PH	Regular	PH	Regular	PH	Amount
2015-16 (UG 3rd Year 2017-18)	1	-	24,000	30,000	24,000	-	24,000
2015-16 (PG 1st Year 2018-19)	1	-	40,000	50,000	40,000	-	40,000
2015-16 (PG 2nd Year 2019-20)	7	-	60,000	75,000	4,20,000	-	4,20,000
2016-17 (UG 3rd Year 2018-19)	5	-	24,000	30,000	1,20,000	-	1,20,000
2016-17 (PG 1st Year 2019-20)	8	1	40,000	50,000	3,20,000	50,000	3,70,000
2016-17 (PG 2nd Year 2020-21)	336	2	60,000	75,000	2,01,60,000	1,50,000	2,03,10,000
2017-18 (PG 1st Year 2020-21)	316	4	40,000	50,000	1,26,40,000	2,00,000	1,28,40,000
2017-18 (UG 3rd Year 2019-20)	12	-	24,000	30,000	2,88,000	-	2,88,000
2018-19 (UG 2nd Year 2019-20)	24	-	18,000	22,500	4,32,000	-	4,32,000
2018-19 (UG 3rd Year 2020-21)	592	15	24,000	30,000	1,42,08,000	4,50,000	1,46,58,000
2019-20 (UG First Year)	19	2	12,000	15,000	2,28,000	30,000	2,58,000
2019-20 (UG 2nd Year 2020-21)	619	18	18,000	22,500	1,11,42,000	4,05,000	1,15,47,000
2020-21 (UG First Year)	952	36	12,000	15,000	1,14,24,000	5,40,000	1,19,64,000
Total Scholarship amount paid (Seven Crores Thirty Two Lakhs Seventy One Thousand Only)							7,32,71,000

IV. Faculty Development Centre

1. Digicol-Digital Enablement of Higher Education Institutions – Inaugurated by the Hon'ble Minister for Higher Education



Opening up of server facility for selected colleges

The Hon'ble Minister for Higher Education Dr. R. Bindu launched the facility called Digicol on 1st December 2021. The Digicol is a resource frugal project for the digital enablement of Colleges in Kerala. It is a joint venture of the Kerala State Higher Education Council and the Kerala University of Digital Sciences and Technology, as implemented under the Chief Minister's 100 days Programmes.

Launched on 01.12.2021 by enrolling ten institutions in to the separate instances made at the central server facility enabling them to access the same through their networks or access devices at the institutional levels. This will ensure seamless and continuous operation of Moodle in these HEIs.

KSHEC has trained 3600+ teachers from different institutions and provided institutional training for 35 colleges for equipping them to implement LMS in such institutions and a pool of resource persons with high proficiency in Training & Administration of MOODLE-based LMS.

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So far, institutions have been selected for enrolling in to this project by availing the server infrastructure facility currently set up by the Digital University, which can accommodate 50 colleges at the first phase.

Sl.No	Programme Details	Beneficiary Institution & Participants	Date of the Programme
1	FDP in Edu-Tech Hands-On Training (Moodle-LMS) (For all Disciplines) Resource Persons: Dr. Ashkarali, Gov.t College Tanur Dr. Santhosh H.K., Govt. Sanskrit College, Pattambi	Faculty members from various colleges affiliated with the state universities Venue: Online -Webex	26/06/2021 to 28/06/2021
2	FDP in Trainers Training Programme- (Moodle-LMS) (For all Disciplines) Resource Persons: Dr. Binu Thomas, Marian College, Kuttikkanam Dr. Mendus Jacob, Marian College Kuttikkanam	Faculty members from various colleges affiliated with the state universities Venue: Online -Webex No. of Participants: 290	08/07/2021 to 14/07/2021
3	Let's Go Digital -Moodle Trainers Team (MTT) @ Kerala State Higher Education Council The same will be conducted in association with KSHEC at CET Trivandrum Dr. Sumesh Divakaran & working group members as resource persons. Training Centre: CET Trivandrum	Participants: selected faculty from CET and arts and science colleges (handpicked) who have already acquired adequate basic knowledge on MOODLE tools No. of Participants:115	22/07/2021 to 27/07/2021
4	Lets Go Digital - FDP on Learning Management Systems conducted by the KSHEC KSHEC in association with the Department of Computer Science, University of Calicut. Organised Dr. Lajish V. L., Assistant Professor & Head,	Participants: faculty from state universities and affiliated colleges who needs basic training on MOODLE tools Duration of sessions: 10.00 am to 4.00pm	26/07/2021 to 30/07/2021

	<p>Department of Computer Science, University of Calicut & existing working group members as resource persons.</p> <p>Training Centre: KSHEC</p>	<p>Venue: Online</p> <p>No. of Participants: 130</p>	
5	<p>Lets Go Digital - KSHEC-Using Moodle as a Learning Management System - Training for CET faculty</p> <p>In association with KSHEC at CET Trivandrum Organised by Dr. Sumesh Divakaran & existing working group members as resource persons.</p> <p>Training Centre: College of Engineering Trivandrum</p>	<p>Participants: faculty from CET alone, who have already acquired adequate basic knowledge on MOODLE tools</p> <p>No. of Participants: 250</p>	<p>29/07/2021</p> <p>to</p> <p>03/08/2021</p>
6	<p>Lets Go Digital KSHEC-Using Moodle as a Learning Management System - Training for the faculty of Govt. Brennen College, Thalasserry</p> <p>In association with KSHEC at CET Trivandrum Organised by Dr. Dileep R. & existing working group members as resource persons.</p> <p>Training Centre: Govt. Brennen College, Thalasserry</p>	<p>Participants: faculty from Govt. Brennen College, Thalasserry</p> <p>No. of Participants: 130</p>	<p>05/08/2021</p> <p>to</p> <p>10/08/2021</p>
7	<p>Lets Go Digital - FDP on Learning Management System (Moodle) and Course Designing</p> <p>conducted by the KSHEC</p> <p>in association with the Department of Computer Science, University of Calicut.</p> <p>Organised Dr. Lajish V. L., Assistant Professor & Head, Department of Computer Science, University of Calicut & existing working group members as resource persons.</p> <p>Training Centre: KSHEC</p>	<p>Participants: faculty from state universities and affiliated colleges who needs basic training on MOODLE tools</p> <p>No. of Participants: 130</p> <p>Duration of sessions: 10.00 am to 4.00pm</p> <p>Venue: Online</p> <p>No. of Participants: 200</p>	<p>09/08/2021</p> <p>to</p> <p>13/08/2021</p>
8	<p>Let's Go Digital – KSHEC-FDP on Learning Management System (Moodle) and Course</p>	<p>Participants: faculty from state universities and affiliated colleges</p>	<p>01/09/2021</p>

	<p>Designing</p> <p>Conducted by KSHEC (Batch 1)</p> <p>Existing working group members and those from resource pool will be the resource persons.</p> <p>Training Centre: KSHEC</p>	<p>who needs basic training on MOODLE tools</p> <p>No. of Participants: 126</p>	<p>to</p> <p>06/09/2021</p> <p>10.00 am to 4.00 pm</p>
9	<p>Let's Go Digital – KSHEC-FDP on Learning Management System (Moodle) and Course Designing</p> <p>Conducted by KSHEC (Batch 2)</p> <p>Existing working group members and those from resource pool will be the resource persons.</p> <p>Training Centre: KSHEC</p>	<p>Participants: faculty from state universities and affiliated colleges who needs basic training on MOODLE tools</p> <p>No. of Participants: 142</p>	<p>01/09/2021</p> <p>to</p> <p>06/09/2021</p> <p>3.00 pm to 7.00 pm</p>
10	<p>Let's Go Digital – KSHEC-LMS- (Moodle)-Institution Level Training</p> <p>Coordination by Dr. Lajish V.L. and Team</p>	<p>Institutions from Malappuram, Kozhikode & Palakkad districts</p> <p>No. of Participants:210</p>	<p>13/09/2021</p> <p>to</p> <p>17/09/2021</p>
11	<p>Let's Go Digital – KSHEC-LMS- (Moodle)-Institution Level Training</p> <p>Coordination by Dr. Santhosh H.K., and Team</p>	<p>Institutions from Idukki, Kottayam, Pathanamthitta districts & Govt. College, Tirur</p> <p>No. of Participants:230</p>	<p>14/09/2021</p> <p>to</p> <p>18/09/2021</p>
12	<p>Let's Go Digital – KSHEC-LMS- (Moodle)-Institution Level Training</p> <p>Coordination by Dr. Mendez Jacob and Team</p>	<p>Institutions from Thiruvananthapuram, Kollam districts</p> <p>No. of Participants: 230</p>	<p>22/09/2021</p> <p>to</p> <p>27/09/2021</p>

1. CHIEF MINISTERS NAVAKERALA POST DOCTORAL FELLOWSHIPS(CMNPF)

The Government of Kerala introduced the prestigious Nava Kerala Post-Doctoral Fellowships scheme for meeting innovation and development needs of the state through promoting quality research spanning the sectors like social, economic, agriculture, development and industry. The scheme envisages 500 individual Post Doctoral fellowships and each one carries an amount ranging from 50,000/- to

1,00000/-per month. The last date of submission of the application form with a synopsis was 30th November 2021.

866 applications were received and the applications were divided among ten domains: Chemical Science, Life Science, Climate Studies and Geological Science, Digital Science and Engineering, Commerce and Management, Material Science, Economic Studies, Agriculture and Ecological Science, Medical Science and Political Science, Historical Studies, Humanities & Liberal Arts.

Interview

The interview of the shortlisted candidates were conducted by the panel of experts. Details are given below.

Sl. No	Domain	Members of the panel	Interview date
1	Commerce and Management	Chair: Dr.SajiGopinath VC Digital University Dr.Abhilash Nair , Professor, Indian Institute of Management, Kozhikode Dr.M.Ayyappan , Former Chairman & Managing Director, Hindustan Life Care Ltd	15/03/2022
2	Digital Science and Engineering	Chair: Prof. Gangan Prathap : Acting Director, National Institute for Interdisciplinary Science and Technology Dr. SajiGopinath : Vice Chancellor, Kerala University of Digital Sciences, Innovation and Technology	16/03/2022
3	Chemical Sciences	Chair: Prof.Suresh Das , Former Executive Vice President, Kerala State Council For Science Technology and Environment. Prof. K. George Thomas , Dean (Faculty Affairs) IISER-Thiruvananthapuram Prof. Edamana Prasad , Professor, KCL 105, Department of Chemistry, Indian Institute of Technology Madras, Chennai	19/03/2022
4	Climate Change and Geological studies	Dr. C. P. Rajendran (Chairman), Former Professor, Centre for Earth Science Studies, IISc Bangalore Dr. Thrivikramji K.P. (Retd. Professor of Geology, University of Kerala) (Member) Dr. Sajeew Krishnan (Centre for Earth Science IISc, Bangalore) (Member)	19/03/2022
5	Life Sciences	Prof. H.A. Ranganathan (Chairman), Visiting Professor, Centre for Human Genetics,	19/03/2022 and 20/03/2022

		<p>Bangalore,</p> <p>Dr Prathibha R, Centre for Human Genetics, Electronic City, Bengaluru</p> <p>Dr. H.P.Puttaraju, UGC-BSR Faculty Fellow, Dept. of Life science, Bangalore University</p> <p>Dr. V. R. Devaraj, Dept. of Biochemistry, Bengaluru City University,</p> <p>Dr. K A Raveesha, Professor and Head, School of Life Sciences, Dean Faculty of Life Sciences , JSS Academy of Higher Education and Research, SriShivarthreeswara Nagara, Mysuru</p> <p>Dr.Srinivas C, Professor & Chairman, Department of Microbiology & Biotechnology, Bangalore University</p>	
6	Economic Studies	<p>Chair: Prof. C.P Chandrasekhar: Centre for Economic Studies and Planning, School of Social Sciences JNU</p> <p>Dr.D.Narayana: Honorary Fellow, GULATI Institute of Finance and Taxation Thiruvananthapuram</p> <p>Prof. Anjan Kumar Charabarti : Marxian and Development Economics University of Calcutta</p>	23/03/2022
7	Medical Sciences	<p>Chair: Prof. (Dr.) M. S. Valiathan (Chairperson)-National Research Professor, Manipal Academy of Higher Education.</p> <p>Dr.B. Ekbal, Former Vice Chancellor, University of Kerala & Member, State Planning Board</p> <p>Dr. A. Jayakrishnan, Former Vice Chancellor, University of Kerala</p>	26/03/2022
8	Agriculture and Ecological Science	<p>Prof.V.SVijayan (Chairperson), Honorary Chairman at Salim Ali Foundation</p> <p>Dr.Jayakumar, Department of Ecology and Environmental Science, Pondichery University</p> <p>Dr. Srikumar Chattopadhyay, Sr.Scientist, National Centre for Earth Science Studies.</p> <p>Dr.C.AJayapraksh, Principal Scientist, CTCRI, Thiruvananthapuram</p>	25/03 2022
9	Historical Studies and Humanities	<p>Chair: Prof. KesavanVeluthat (Rtd. Delhi University)</p> <p>Prof. RajanGurukkal P.M, Vice Chairman, the Kerala State Higher Education Council, Thiruvananthapuram</p>	26/03/2022

		Dr. M.V. Narayanan , Vice Chancellor, SreeSankaracharya University of Sanskrit, Kalady Dr. K. S. Ravikumar , Former Pro Vice Chancellor, SreeSankaracharya University of Sanskrit, Kalady	
10	Material Sciences	Prof. SharathAnanthamurthy (Chairperson) Professor, University of Hyderabad Prof. M.K. Rabinal , Department of Physics, Karnataka University, Dhanwad Prof. Venkataiah G , School of Physics, University of Hyderabad.	30 th , 31 st March, 1 st April 2022

Domain wise List of Candidates

Sl. No	Domain Name	Number of Candidates Recommended
1	Life Science	21
2	Chemical Science	10
3	Material Science	7
4	Political Science, Historical Studies, Humanities & Liberal Arts	5
5	Economic Studies	5
6	Agriculture & Ecological Science	7
7	Climate Change & Geological Studies	8
8	Medical Science	2
9	Commerce & Management Studies	6
10	Digital Technology & Engineering	6
	Total	77

77 applicants were awarded the Chief Ministers Navakerala Post Doctoral Fellowship (CMNPF). University wise details of CMNP Fellows are as follows

Sl. No.	Name of CMNP Fellow	Name of Registering University/Institution with Department /School/Centre (For Navakerala Post-Doctoral Fellowship)	Name & Designation of the Mentor	Title of the Research Proposal
1	Dr. Mithun Padmakumar	Kerala University of Digital Sciences, Innovation and Technology, School of Computer Science and Engineering	Dr. John Eric Steephen, Assistant Professor, School of Digital Sciences, Digital University Kerala.	Effects of Ultrasonic Neuromodulation on Nucleus Accumbens Neurons: A Computational Study.
2	Dr. Sherin D. R.	Kerala University of Digital Sciences, Innovation and Technology School of Digital Sciences	Dr. Manojkumar, Professor and chair, School of Digital Sciences, Digital University of Kerala	Unravelling an Effective Phytochemical Scaffold in the Development of NIRF Probe for the Early Detection of Amyloid- β plaques: An AI-Based Approach
3	Dr. Vijender Kumar Sharma	Kerala University of Digital Sciences, Innovation and Technology, School of Electronic Systems and	Dr. Alex P James, Associate Dean (Academic) Professor, School of Electronic Systems and Automation	CAD Tool for Power Delivery Analysis and On-Chip Implementation of Variable Negative Impedance Circuits(CADT-

Sl. No.	Name of CMNP Fellow	Name of Registering University/Institution with Department /School/Centre (For Navakerala Post-Doctoral Fellowship)	Name & Designation of the Mentor	Title of the Research Proposal
		Automation		PDA-VNIC)
4	Dr.Leya Thomas	Kerala Agricultural University College of Agriculture, Thrissur	Dr.Deepu Mathew Professor, Kerala Agricultural University	Transcriptomic Profiling of Xylan Utilisation System of a Potent Bacterial Isolate during the Growth on Agro-Residue Under Solid State Fermentation
5	Dr.Unnikrishnan B. S.	Kerala Agricultural University , College of Agriculture, Vellayani, Thiruvananthapuram	Dr.Swapna Alex Professor, DPBT Kerala Agricultural University, College of Agriculture, Vellayani, Thiruvananthapuram	Exploring the Role of Ionic Liquids in the Conversion of Agricultural Wastes into Commercially Valuable Product
6	Dr.Ahlam Abdul Aziz	Kerala Agricultural University , Centre for Plant Biotechnology and Molecular Biology	Dr.Rehna Augustine, Assistant professor, CPBMB, Kerala Agricultural University, Vellanikkara	Structural elucidation, molecular docking and bioprospecting of secondary metabolites from callus cultures of <i>Curcuma angustifolia</i> Roxb . elicited with biogenic ZnO nanoparticles

Sl. No.	Name of CMNP Fellow	Name of Registering University/Institution with Department /School/Centre (For Navakerala Post-Doctoral Fellowship)	Name & Designation of the Mentor	Title of the Research Proposal
7	Dr. Khatawkar Dipak Suresh	Kerala Agricultural University Dept. of Farm Machinery and Power Engineering, KCAET - Tavanur,	Dr. Jayan D R, Professor & Head, Department of Farm Machinery and Power Engineering (FMPE), Kelappaji College of Agricultural Engineering and Technology, Kerala Agricultural University, Tavanur - 679 573	Design and development of an energy efficient high clearance 4-wheel drive 4-wheel steering electric vehicle for farm operations
8	Dr. Neeraja Puthiama dom	Kerala Agricultural University RICE Research Station, Vyttila,	Dr. Veena Vighneswaran, Assistant Professor (Plant Breeding and Genetics) Rice Research Station, Vyttila, KAU)	Allele mining in rice to unravel the genetic mechanism of salinity tolerance
9	Dr. Sharrel Rebello	Mahatma Gandhi University National Institute of Plant Science Technology,	Dr. Jisha M.S, Honorary Director, National Institute of Plant Science Technology, Mahatma Gandhi University, Kottayam	Microbe Mediated Synthesis of Cellulosic Nanocomposites from Agro-wastes
10	Dr. Vineetha P. K.	Mahatma Gandhi University Advanced	Dr. S. Anas, Honorary Director, AMMRC and Assistant Professor, School of chemical	Ladder-like Donor-Acceptor polymers as Dopant-Free, Hole-

Sl. No.	Name of CMNP Fellow	Name of Registering University/Institution with Department /School/Centre (For Navakerala Post-Doctoral Fellowship)	Name & Designation of the Mentor	Title of the Research Proposal
		Molecular Materials Research Centre (AMMRC)	science, Mahatma Gandhi university, Kottayam	Transporting Materials for Perovskite Solar Cells
11	Dr.Alex Joseph	Mahatma Gandhi University School of Chemical Science,	Dr. Beena Mathew, Professor, School of chemical Science, M.G. University Kottayam	Bimetallic transition metal modified hierarchical structure electrodes for electrocatalytic applications – Towards green hydrogen energy
12	Dr. Anil Gopi	Mahatma Gandhi University Inter University Centre for Social Science Research and Extension,	Dr.SujithParayil, Associate Professor, School of Sciences, Mahatma Gandhi University, Kottayam	Human Ecology, Indigenous Knowledge and Survival of Communities: An Anthropological Study of Idukki District, Kerala
13	Dr.Radhika P.C.	Mahatma Gandhi University PG and Research Department of Commerce, Sacred Heart College, Thevara	Dr. Johney Johnson, Professor & Dean, Faculty of Management Sciences, School of Management and Business studies, Mahatma Gandhi University	Tourism Destination Cleanliness - A Study to Analyse the Effectiveness of Present System and to Suggest the Way Forward

Sl. No.	Name of CMNP Fellow	Name of Registering University/Institution with Department /School/Centre (For Navakerala Post-Doctoral Fellowship)	Name & Designation of the Mentor	Title of the Research Proposal
14	Dr. Remya Chandran	Kerala University of Health Sciences Laboratory for Computational and Structural Biology, Jubilee Centre for Medical Research	Dr. Dileep Vijayan, Scientist D & NRI / OCI/PIO Fellow (DHR, Govt. of India) Laboratory for computational and structural biology, JMMC & RI, Trissur	Ayurvedic Nootropics as Countermeasures for Alzheimer's Disease: Strategic Thinking and Reverse Pharmacology Assisted Scientific Expositions
15	Dr. Abilash Nair	Kerala University of Health Sciences Dept. of Endocrinology, Govt. Medical College, Trivandrum	Dr. Jayakumari C, Additional Professor, Government Medical College, Thiruvananthapuram	Genetic and Epigenetic Markers of Insulin Resistance in Community Dwelling Non-Obese Youth of Kerala- Unwiring the Time Bomb of Diabetes
16	Dr. Simi Mohan J. S.	Kerala University of Health Sciences School of Public Health	Dr. Rajamohan K, Professor and Officer in charge, School of Public Health, Trivandrum, Kerala University of Health Sciences	Magnitude of Cybercrime Committed Against Children and Exploring the Possibilities of Digital Technology ['CSA Alert' App] for More Efficient Reporting, Action & Follow Up of Child Sexual Abuse

Sl. No.	Name of CMNP Fellow	Name of Registering University/Institution with Department /School/Centre (For Navakerala Post-Doctoral Fellowship)	Name & Designation of the Mentor	Title of the Research Proposal
				Cases in Kerala
17	Dr. Jeswin Joseph	Cochin University of Science and Technology , National Centre for Aquatic Animal Health	Prof.Valsamma Joseph, Professor and Director, National Centre for Aquatic Animal Health, Cochin University of Science and Technology, Kochi- 682016	Novel dsRNA of STAT gene based 'drug' to protect shrimp from White Spot Syndrome virus
18	Dr ReshmaSilvester	Cochin University of Science and Technology School of Industrial Fisheries,	Dr.MujeebRahiman K.M, Associate professor, School of Industrial fisheries, Lakeside campus, Cochin University of Science and Technology, Kochi, Kerala,India	Mapping antimicrobial use and antimicrobial resistance in aquaculture farming in Kerala
19	Dr.Manomi S.	Cochin University Of Science and Technology , National Centre for Aquatic Animal Health,	Dr.JayeshPuthumana, Assistant Professor, National Centre for Aquatic Animal Health, CUSAT	Development of Low-cost Multivalent Non antibiotic IgY-based Oral Edible Vaccine (LoMNA-IOV) as Bio-therapeutics to Combat Major Bacterial Diseases Affecting Aquaculture in

Sl. No.	Name of CMNP Fellow	Name of Registering University/Institution with Department /School/Centre (For Navakerala Post-Doctoral Fellowship)	Name & Designation of the Mentor	Title of the Research Proposal
				Kerala
20	Dr. Tripti Raghavendra	Cochin University of Science and Technology Department of Biotechnology,	Dr. Sarita G. Bhat, Professor, Department of Biotechnology, Cochin University of Science and Technology	Bacterial Diversity of Water and Sediment under Anthropogenic Influence of Kochi Maritime Facilities
21	Dr. Seena Jose	Cochin University of Science and Technology National Centre for Aquatic Animal Health	Prof. Valsamma Joseph, Professor and Director, National Centre for Aquatic Animal Health, Cochin University of Science and Technology	Protection of Shrimp from White Spot Virus: Development of a Marine Invertebrate Permanent Cell Line Susceptible to the Virus through Reprogramming Shrimp Lymphoid Cells
22	Dr. Abhilash P.	Cochin University of Science and Technology Kerala/Department of Polymer Science and Rubber Technology	Prof. (Dr.) Prasanth Raghavan, Professor, Department of Polymer Science and Rubber Technology, Cochin University of Science and Technology (CUSAT)	2D Quantum Dots Based Fibre Supercapacitors for Wearable Energy Storage

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23	Dr. Vishal Kandathil	Cochin University of Science and Technology Department of Applied Chemistry	Dr. N. Manoj Professor in Organic Chemistry, Department of Applied Chemistry, CUSAT	A step toward combating global warming by efficient CO ₂ utilization by structurally engineered single-atom catalysts
24	Dr. Shijeesh M.R.	Cochin University of Science and Technology International School of Photonics,	Dr. Saji K.J., Associate Professor, International School of Photonics, Cochin University of Science and Technology, Kochi, Kerala, India	An integrated energy storage system based on triboelectric nano generator and supercapacitor
25	Dr. Swathy Varma P.R.	Cochin University of Science and Technology, Gulati Institute of Finance and Taxation, Trivandrum	Prof. K.J. Joseph, Director Gulati Institute of Finance and Taxation (GIFT), Sreekariyam, Thiruvananthapuram	Fiscal Implications and Effectiveness of Government Sponsored Health Insurance Schemes: An Empirical Evidence from Kerala State.
26	Dr. Aravindh P.	Cochin University of Science and Technology Department of Atmospheric	Dr. K. Satheesan, Professor and Head of the Department, Department of Atmospheric Sciences, Cochin	Vulnerability, Social Resilience and Adaptation Strategies against Climate Change: The Case of

Sl. No.	Name of CMNP Fellow	Name of Registering University/Institution with Department /School/Centre (For Navakerala Post-Doctoral Fellowship)	Name & Designation of the Mentor	Title of the Research Proposal
		Sciences	University of Science and Technology	Traditional Fisherfolk in Kerala
27	Dr.Deepu A. Gopakumar	Cochin University of Science and Technology Dept.of Polymer Science and Rubber Technology	Dr.Jinu Jacob George, Assistant Professor, Department of Polymer Science and Rubber Technology, Cochin University of Science and Technology, Cochin	Cellulose Nanofiber Based Polymer Composite Membranes and Aerogels from Underutilized Coir and Bamboo waste as a Sustainable Solution for Water Purification
28	Dr.JacobJoju	Cochin University of Science and Technology Dept.of Applied Economics	Dr.Manoj P.K, Assistant Professor, Department of Applied Economics, Cochin University of Science and Technology, 682022	Digital Transformation in Co-Operative Banking Sector in Kerala and Adoption of Financial Technologies
29	Dr.Gowri Vijayan	Cochin University of Science and Technology School of Management Studies	Declined	Problems and Prospects in the Transition of Kerala's Agriculture Sector into a Circular Economy
30	Dr.Sreeja M.U.	Cochin University of Science and	Prof.(Dr.) Supriya M.H, Professor and Head, Department	A smart system for Ischemic Heart Disease

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		Technology Department of Electronics	of Electronics, Cochin University of Science and Technology, 682022	(IHD) prediction through Explainable AI
31	Dr. Vivek R.	Cochin University of Science and Technology Department of Computer Science	Dr.Bijoy Antony Jose, Associate Professor, Department of Computer Science, Cochin University of Science And Technology, Cochin	AI based detection of buried human bodies using Ground Penetrating Radar during landslides
32	Dr.Anu K.	Kannur University Department of Biotechnology and Microbiology	Dr.Anu Augustine, Associate professor, Department of Biotechnology and Microbiology, Kannur university	Exploration of Black Pepper-Microbiome for Developing Biosynthetic Bacterial Consortia for Enhancing Sustainable Crop Productivity, by a Combined Metagenomics, Metabolomics and Synthesized Microbiome Approach
33	Dr.Adithya V.	Kannur University Department of Information Technology	Dr.N.SSreekanth, Associate Professor, School of Information Science & Technology,	Development of Efficient Methodologies for Automatic Speech-Gesture Recognition to Enable Natural

Sl. No.	Name of CMNP Fellow	Name of Registering University/Institution with Department /School/Centre (For Navakerala Post-Doctoral Fellowship)	Name & Designation of the Mentor	Title of the Research Proposal
			Kannur University	and Multimodal Human Computer Interaction
34	Dr. Hazeena S. H.	Central University of Kerala, Kasargode Dept.of Plant Science, School of Biological Sciences	Dr.ChitraManisseri , Assistant professor, Central university of Kerala, Kasaragod	Integrative Approach for the Valorization of Dairy Wastes for the Production of Xanthan Exopolysaccharides
35	Dr Soumya B.N.	Central University of Kerala Department of Chemistry	Prof.(Dr) A Sakthivel, Professor and Head, Department of Chemistry Central University of Kerala	Design and Development of efficient and economic catalyst for Hydrodeoxygenation of lignin derivatives: Exploration of late transition metal oxides
36	Dr. ManjuPerumbil	Central University of Kerala Department of Physics, School of Physical Sciences	Dr. Swapna Nair, Professor, Physics Department, Central University of Kerala, Kasaragod	Atom interferometry in space: Improving quantum sensors for space environments

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37	Dr.Asha Raj K. R.	University of Calicut Department of Zoology, Christ College, Irinjalakkuda	Dr.Sudhikumar A.V , Assistant Professor & Head, Department of Zoology, Christ College, Irinjalakkuda,	Effects of predicted climate change scenarios on Ecosystem functions and life history traits of the spider <i>Pardosasumatrana</i> (Thorell 1890)
38	Dr.AmruthaNisthul . A.	University of Calicut Dept. of Biotechnology	Dr. Smitha V.B, Assistant Professor, Department of Biotechnology, University of Calicut	Synergistic Antitumor Activity of Cucurbitacin B with BRAF Inhibitors/Natural Chemopreventives against Melanoma <i>In Vitro</i>
39	Dr. Ramya A. R.	University of Calicut Department of Chemistry,	Dr. Derry Holaday M.G Assistant Professor Department of Chemistry University of Calicut, Thenhipalam, 673635	Molecular Engineering of Cyclic Tetrapyrroles as Photocatalysts for Solar-driven Hydrogen Production
40	Dr.Indu V. Menon	University of Calicut, PG Department of Sociology, ZamorinsGuruv	Dr.Mahesh C	Shamanic Discourses and Religious Cults; A Study among Selected Tribes

Sl. No.	Name of CMNP Fellow	Name of Registering University/Institution with Department /School/Centre (For Navakerala Post-Doctoral Fellowship)	Name & Designation of the Mentor	Title of the Research Proposal
		ayurappan College,	Assistant Professor, PG Department of Sociology, The Zamorin's Guruvayurappan College, Calicut	of Kerala
41	Dr. Anu Kuriakose	University of Calicut Department of English	Prof. Janaki Sreedharan Professor & Head, Dept. of English, University of Calicut	Dissenting Heteronormativity and Mainstreaming Identity: A Critical Assessment of the Digital Turn in Gender-Queer Movements in Kerala
42	Dr. Deepa V.D.	University of Calicut Dr. John Mathai Centre, Department of Economics, Thrissur	Dr. Shabeer K.P Associate Professor and Research Guide, PG and Research Department of Economics, Government College Kodenchery, Kozhikode, Kerala, 673580.	Impact Of Covid-19 on Income and Employment of Urban Informal Sector Workers in Kerala

Sl. No.	Name of CMNP Fellow	Name of Registering University/Institution with Department /School/Centre (For Navakerala Post-Doctoral Fellowship)	Name & Designation of the Mentor	Title of the Research Proposal
43	Dr. Dhanya P.	University of Calicut Department of Geography, Government College- Chittur,	Dr. Jayarajan K Assistant Professor Department of Geography Govt. College Chittur, Palakkad	Augmenting climate change adaptive capacity and mitigation potential among the rice farmers of Bharathapuzha basin areas in Palakkad through ICTs and ecosystem-based adaptation (EbA) interventions.
44	Dr. V. S. Dilimon	University of Kerala , Centre for Renewable Energy and Materials, Kariavattom Campus	Dr. Sony George Associate professor Dept. Chemistry University of Kerala Kariavattom campus	Development of high-performance lithium-sulfur and aluminum-sulfur batteries for automobile applications by elucidating their detailed sulfur electrochemistry
45	Dr. Soumya S. J.	University of Kerala Dept. of Computational Biology and Bioinformatics	Dr. Achuthsankar S. Nair, Head, Dept. of Computational Biology and Bioinformatics, University of Kerala.	Investigations on Ayurveda based analgesics for targeting Transient Receptor Potential (TRP) pain receptors
46	Dr. Liju Elias	University of Kerala Department of	Dr. S.M.A Shibli, Professor, Department of Chemistry,	Design and Development of Chemical Recycling

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		Chemistry	University of Kerala, Kariavattom Campus, Thiruvananthapuram	Strategies for Handling Concrete Waste in Kerala: A Region-specific Approach to Reuse Concrete Wastes for Potential Applications
47	Dr. Reshmi S.	University of Kerala Dept. of Physics,	Dr.R. Jayakrishnan, Associate Professor, Dept. of Physics, University of Kerala, Kariavattom Campus TVM	Development of MoS ₂ , MoSe ₂ /Graphene composites for solar cell applications
48	Dr. Arya K.	University of Kerala Institute of English,	Prof. Meena T. Pillai, Dean, Faculty of Arts, Director, Centre for Cultural Studies, Professor, Institute of English, University of Kerala	അച്ചടി ആധുനികതയും കേരളീയ ഭട്ടിത് നവോത്ഥാനവും: മലയാള വർത്തമാന പ്രശ്നങ്ങളിലെ ഭട്ടിത്പക്ഷ മുഖപ്രസംഗങ്ങളുടെ (1881-2021) സമാഹരണവും അപഗ്രഥനം

Sl. No.	Name of CMNP Fellow	Name of Registering University/Institution with Department /School/Centre (For Navakerala Post-Doctoral Fellowship)	Name & Designation of the Mentor	Title of the Research Proposal
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49	Dr.Lijisha A.T.	University of Kerala Department of Linguistics	Dr.Darwin L, Assistant Professor, Department of Linguistics, University of Kerala	Linguistic Documentation Of Biodiversity And Indigenous Knowledge among Cholanaikka Tribes in Nilambur, Western Ghats.
50	Dr.Deepu Sivadas	University of Kerala Department of Botany	Dr.Shiburaj Sugathan, Professor, Department of Botany, University of Kerala Kariavattom Campus, Thiruvananthapuram, Kerala-695581	Documenting the landslides and Post-landslide soil and vegetation recovery in the forest areas of North Kerala
51	Dr.Prijitha R. G.	University of Kerala Department of Environmental Sciences	Dr.Salom Gnana Thanga Vincent, Professor and head, Dept. of Environmental Sciences, University of Kerala	Influence of Indian Monsoon on Water Vapor : Link with Climate Change
52	Dr.ShiniRenjith	University of Kerala Department of Computer	Dr.Vinod Chandra S.S, Professor, Department of Computer Science, University of	An intelligent disaster forecasting framework using Deep Hybrid

Sl. No.	Name of CMNP Fellow	Name of Registering University/Institution with Department /School/Centre (For Navakerala Post-Doctoral Fellowship)	Name & Designation of the Mentor	Title of the Research Proposal
		Science	Kerala	Learning for proactive identification of recurring natural disasters in the state of Kerala
53	Dr. Ajmal Khan A.T.	University of Kerala, Department of Economics in collaboration with Department of Asian Studies, University of Victoria, Canada.	Dr.Christabell P.J, Professor, Department of Economics, University of Kerala, Thiruvananthapuram	Addressing the Challenges of Climate Change in Kerala: Building Climate Resilient Regional Development Plan for Kuttanad
54	Dr. Ruby S.	University of Kerala, Fatima Mata National College, Kollam	Dr.Biju T, Associate Professor, Department of Commerce, School of Business Management & Legal Studies, University of Kerala	Promotion of Innovative Women Business Start-Ups Through Local Self Government Institutions for Local Economic Development
55	Dr Raji C.G.	University of Kerala Department of Computer Science	Dr.Vinod Chandra S.S, Professor, Department of Computer Science, University of	Machine Learning Techniques based Survival Forecast in Organ

Sl. No.	Name of CMNP Fellow	Name of Registering University/Institution with Department /School/Centre (For Navakerala Post-Doctoral Fellowship)	Name & Designation of the Mentor	Title of the Research Proposal
			Kerala	Transplantation Patients over Kerala State
56	Dr.Latha K.	APJ Abdul Kalam Technological University Dept .of Business Administration, Saintgits College of Engineering	Dr.Roji George, Professor & Dean, Department of Business Administration, Saintgits College of Engineering	Adoption of Digital Technology - A Driving Force of Business Growth in the Kerala Co-operative Sector and its impact on organizational performance
57	Dr.Elizabeth Dominic	APJ Abdul Kalam Technological University Dept.of Business Administration, Saintgits College of Engineering	Dr.Roji George, Dean, Department of Business Administration, Saintgits Institute of Management, Pathamuttom, Kottayam, Kerala	Examining the Levels and Determinants of Psychological Wellbeing during Epidemic Outbreaks with Special Reference to COVID – 19 : A Study among Health Care Professionals in the State of Kerala.
58	Dr.Rani Varghese	Kerala University Of Fisheries & Ocean Studies (KUFOS) Department of Climate Variability and	Dr. GirishGopinath, Associate Professor & Head Dept. of Climate Variability & Aquatic Ecosystems, Kerala University of Fisheries and	Sustainable use of blue carbon from the mangroves in relation to climate change mitigation for the state of Kerala

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		Aquatic Ecosystems,	Ocean Studies	
59	Dr. Shine V. J.	Rajiv Gandhi Centre for Biotechnology (RGCB), Thiruvananthapuram, Cancer Research	Dr.T.RSanthosh Kumar, Scientist G, Dean (Research), Rajiv Gandhi Centre for Biotechnology (RGCB), Thycad, Thiruvananthapuram, 695014, Kerala	A Highthroughput BSL2 Compatible Assay Development for Screening of Natural Products and Compound Libraries against SARS-Cov-2
60	Dr.Joyous T. Joseph	Rajiv Gandhi Centre for Biotechnology (RGCB), Thiruvananthapuram, Plant Biology & Disease Biology	Dr.V.VAsha, Scientist G Plant Disease Biology & Biotechnology Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram	CRISPR/Cas9 mediated epigenetic editing of genes orthologous to soft-rot disease susceptibility genes of ginger in <i>P. myriophyllum</i> susceptible <i>Nicotianabenthamicana</i>
61	Dr. Wilbee D.S.	Rajiv Gandhi Centre for Biotechnology (RGCB), Thiruvananthapuram, Dept.of Transdisciplinary Biology	Dr. KathiresanNatarajan, Scientist C, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram	Identification and modification of RNA Dependent RNA Polymerase (RDRP) Allosteric Inhibitors of SARS CoV2 based on Drug Repurposing Strategy using Well Tempered

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				Metadynamics Simulations.
62	Dr.Hareesh P.S.	ICAR-Central Tuber Crops Research Institute,	Dr. T Makesh Kumar, Principal Scientist, Central Tuber Crops Research Institute (ICAR-CTCRI), Thiruvananthapuram	Development and evaluation of artificial microRNA gene constructs suitable for transformation of cassava (<i>Manihotesculent aCraz.</i>) for cassava mosaic geminivirus (CMG) resistance
63	Dr. T.R. Resmi	ICAR- Central Tuber Crops Research Institute	Dr.T Makesh Kumar, Principal scientist, ICAR CTCRI, Thiruvananthapuram	CRISPR/Cas gene editing strategies to develop resistance against sweet potato infecting begomoviruses
64	Dr.Raji P.	ICAR-Central Tuber Crops Research Institute,	Dr. G Byju, Principal scientist & Head, Division of Crop Production, ICAR-Central Tuber Crops Research Institute, Thiruvananthapuram	Future climate suitability and regional yield forecasts of major agricultural crops in Kerala: a GIS-based approach

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65	Dr. Neema P.M.	Indian Institute of Science Education and Research(IISER), Thiruvananthapuram School of Physics,	Dr. Shaijumon MM, Associate Professor, School of Physics, IISER, Trivandrum	Creative design of LED Devices; Light matters.
66	Dr. Hijas K.M.	Indian Institute of Science Education and Research(IISER), Thiruvananthapuram School of Physics,	Dr. Rajeev N Kini, Associate Professor, School of Physics, IISER Trivandrum	Selective Crystallisation of Preferred Polymorph Using Terahertz Irradiation
67	Dr. Aswathi K.	Indian Institute of Science Education and Research(IISER), Thiruvananthapuram School of Physics,	Dr. Tuhin Maity, Assistant Professor, School of Physics, IISER, Trivandrum	Hexagonal perovskites as quantum spin liquid materials for magnetic applications
68	Dr. Muhsin M.	National Institute of Technology (NIT)-Calicut Department of Physics	Prof. M.K Ravi Varama, Professor, Dep. of Physics, NIT Calicut	Retrieval of the atmospheric aerosol optical properties affecting climate radiative forcing

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69	Dr.Jesiya N.P.	National Institute of Technology (NIT) , Calicut Department of Civil Engineering	Dr.Santhosh G Thampi, Professor (HAG), Department of Civil Engineering, National Institute of Technology, NIT Campus P.O 673 601, Kozhikode, India	Investigation of hydrologic regimes in the coastal urban environment of Northern Kerala using machine learning algorithms in the context of climate change.
70	Dr. Ansal K.A.	Indian Institute of Information Technology (IIIT) , Kottayam, Kerala Dept.of Computer Science	Dr.Ragesh G.K, Assistant Professor , IIIT Kottayam	Isolation enhancement of MIMO antenna array with reduced mutual coupling for low latency connectivity
71	Dr.Vineetha R.C.	Regional Cancer Centre , Thiruvananthapuram, Kerala	Dr.Hariharan S, Additional Professor,Division of Cancer Research, Regional Cancer Centre Thiruvananthapuram	MicroRNA profiling in different cytogenetic subtypes of Acute Myeloid Leukemia patients
72	Dr.Megha K .B.	SreeChitra Tirunal Institute for Medical Sciences and Technology , Thiruvananthapuram	Declined	Declined

Sl. No.	Name of CMNP Fellow	Name of Registering University/Institution with Department /School/Centre (For Navakerala Post-Doctoral Fellowship)	Name & Designation of the Mentor	Title of the Research Proposal
		Toxicology Division, Bio Medical Technology Wing,		
73	Dr.Lakshmi N.B.	National Centre for Earth Science Studies, Atmospheric Science Group	Dr.Resmi E.A, Scientist D & Group Head, Atmospheric Science Group (ASG), National Centre for Earth Science Studies	Aerosol-Cloud interaction in the changing patterns of rainfall events over Kerala
74	Dr. Sivadasan A. K.	Centre for Materials for Electronics Technology (C-MET), Thrissur, Thin film and Photovoltaic Group	Dr. Sankara Narayanan Potty, Scientist, Centre for Materials for Electronic Technology (C-MET), Thrissur	An indigenous development of economical and eco-friendly perovskite solar cells
75	Dr Sabu M.	Central Marine Research Institute, Kochi	Dr.Shinoj Parapurathu, Senior Scientist, Socio-economic Evaluation and Technology Transfer Division & Nodel Officer, HRD Cell, ICAR-Central Marine Fisheries Research Institute (CMFRI)	Assessment of occupational hazards and use of life safety gadgets among small-scale motorised fishermen in Southern Kerala

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76	Dr. Neethu B.	KSCSTE-CWRDM Kozhikode	Dr.P.SHarikumar, Senior Principal Scientist & Registrar i/c, Head, Administration and Finance , Central Instrumentation Facility , Ecology and Environment Research Group, CWRDM, Kozhikode	Development of hybrid packaged wastewater treatment system comprising of Moving Bed Biofilm Reactor (MBBR) and Microbial fuel cell (MFC).
77	Dr.Muhammed Ashiq V.	IIT Madras	Declined	Assessing the asymmetric effect of tourism development on economic growth in Kerala: A non-linear approach

2. THE CHANCELLOR'S AWARD

The Chancellor's Award was instituted by the Honorable Governor of Kerala to nurture a spirit of healthy competition among the State Universities in Kerala, in becoming vibrant centers of learning. This prestigious award carries an amount of Rupees Five Crore/ One crore a citation and Gold-Plated Trophy to the best performing university among Multi-Disciplinary Universities and Specialised Universities (emerging University category). The prize money, provided by the State Government in its Budget, is meant for capital expenditure for any major project in the University.

It was the Vice Chancellors' Conference, chaired by the Honourable Governor, Shri. Justice (Retd) P. Sathasivam on 27th October 2014 at Cochin University of Science and Technology that had decided to institute the Chancellor's Award. Subsequently,

Government of Kerala authorized the Kerala State Higher Education Council to conduct the selection process of Chancellor's Award for the Best University and Emerging Young University, vide letter No. B2/171/2018/H.EDN dated 03/08/2018. Bharat Ratna Prof. C.N. R. Rao, F.R.S., Honorary President & Linus Pauling Research Professor, JNCASR, Bangalore is the Chairman of the Selection Committee.

The selection for the award is based on the marks scored by the varsity for its performance in broad components such as (1) Knowledge Generation, (2) Knowledge Dissemination, (3) Student Profile, (4) Academic Governance, and (5) Social Impact. Marks are awarded on the basis of a list of criteria related to the performance in these areas. The Vice Chancellors also make a detailed presentation of the vision of their Universities before the Selection Committee.

The Selection Committee firms up the application form (format for Universities) for the Award, every year. The Universities submit the data regarding their achievement during the period of assessment through online mode. The application for the Chancellor's Award is hosted on the web portal of the Kerala State Higher Education Council.

The Selection Committee constitutes inspection teams to visit the participating Universities to verify the original documents / data in support of the claims made in the application form for preparing a tabulated statement.

The Selection Committee reviews the tabulation statement, records and the videos submitted before making the final selection. The university that gets the maximum score will be selected for the Award.

The selection Process for Chancellor's Award 2021

The selection process of the year 2021 has been completed using the revised criteria framed followed by the general demand from the Vice Chancellors of the universities. The notification issued in this regard vide No. KSHEC-A3/306-12/Cncl-ChnlrsAwrd/2021 10th December, 2021 which prescribed a last date for submission of data by universities as 10-1-2022. The recommendations of the selection committee with details have been submitted to the Hon'ble Governor for further perusal.

Chancellor's Award –Selection Committee Members

1. (Bharat Ratna) Prof. C.N.R. Rao (Chairman)

National Research Professor,
Linus Pauling Research Professor & Honorary President,
CSIR Centre for Excellence in Chemistry,
New Chemistry Unit and International Centre for Materials Science

Jawaharlal Nehru Centre for Advanced Scientific Research
Jakkur P.O., Bangalore 560 064, India

2. Prof. Ranganath H. Annegowda

Former Vice Chancellor & Director
National Assessment & Accreditation Council (NAAC),
Indian Institute of Science, Bengaluru 560 012, Karnataka

3. Dr. Suresh Das

Former Executive Vice President,
Kerala State Council For Science Technology and Environment,
Sasthra Bhavan, Pattom, Thiruvananthapuram – 695004

4. Dr. Debashis Chatterjee

Director, Organizational Behaviour and Human Resources
Indian Institute of Management Kozhikode ,
IIMK Campus P. O., Kozhikode, Kerala, India, PIN - 673 570

5. Prof. Prabhath Patnaik,

Professor Emeritus, Centre for Economic Studies,
Jawaharlal Nehru University, New Delhi- 110067

6. Prof. J.A.K. Tareen

Former Vice Chancellor,
Central University, Pondicherry, No.114 Gangotri layout,
II Stage IV Cross, Mysore.

7. Prof. Rajan Gurukkal P.M

Vice Chairman,
The Kerala State Higher Education Council,
Science & Technology Museum Compound,
Vikas Bhavan,
Thiruvananthapuram – 695033

8. Dr. V. Venu IAS

Additional Chief Secretary,
Dept. of Higher Education, Govt. of Kerala

9. Dr. Rajan Varughese (Convenor)

Member Secretary,
The Kerala State Higher Education Council

Chancellor's Award - Previous Winners

Year	Multi Disciplinary Universities	Best Emerging University/ Specialized University
2015	University of Kerala	-
2016	Mahatma Gandhi University	-
2017	Cochin University of Science and Technology	Kerala Veterinary and Animal Sciences University
2018	Mahatma Gandhi University	Kerala Veterinary and Animal Sciences University
2019	Cochin University of Science and Technology	Kerala Veterinary and Animal Sciences University
2020	Mahatma Gandhi University & Cochin University of Science and Technology	Kerala Agricultural University
2021	To be declared	



The Chancellor's Award Ceremony held at Kerala Rajbhavan

3. KAIRALI RESEARCH AWARDS

Government of Kerala with an aim to encourage the most eminent research scholars and research pedagogues of the state, have instituted Kairali Research Awards vide an order No. G.O. (Rt) No.253/2018/H.Edn dated 08-02-2018 which has accorded the necessary administrative sanction as proposed by the Higher Education Department for an amount of Rupees 130 Lakhs from the Budget Provision during the current financial year 2018-19. This award has conceptualized for most eminent research scholars in various academic disciplines under four categories of scholars viz. Kairali Gaveshaka Puraskaram, Kairali Gaveshana Puraskaram, Kairali Lifetime Achievement and Kairali Global Lifetime Achievement Award. Subsequent to this the government vide G.O. (Rt) No.820/2018/H.Edn dated 24-04-2018 authorised the state Higher Education Council (KSHEC) as the secretariat for the Kairali Research Awards. A selection committee has been constituted under the chairmanship of Dr. P. Balaram, Former Director, Indian Institute of Sciences, Bengaluru for the purpose of selecting eligible candidates for the awards.

Followed by this, the Government vide G.O.(Rt) No.915/2018/H.Edn approved the guidelines for the awards. The commencement of this awards from 2017-18 academic year onwards to those excel in a particular subject under three categories (i) Kairali Lifetime Achievement Award (for Eminent Scientists) (ii) Kairali Gaveshana Puraskaram (for Faculty Members) and (iii) Kairali Gaveshaka Puraskaram (for Post-Doctoral Research Students). The subject areas include Chemical Sciences, Biological Sciences, Physical Sciences, Social Sciences, Arts and Humanities.

Kairali Research Awards 2021-22

Notification regarding the selection for the Kairali Research Awards for the period-2021-22 has been issued vide No. KSHEC-A3/352/Kairali Research Awards/2021 Dated 26-10-2021. Applications/Nominations from eligible scholars of Keralite origin for various category of awards are invited under this notification. The awards are instituted with the aim to encourage the most eminent research scholars and research pedagogues of Kerala origin within areas of Arts and Humanities, Biological Sciences, Chemical Sciences, Physical Sciences, Social Sciences. The categories of awards are Kairali Gaveshaka Puraskaram, Kairali Gaveshana Puraskaram, Kairali Lifetime Achievement Prize for

Researchers, Kairali Global Lifetime Achievement Prize for Researchers (for scholars from abroad). This time, Kairali Global Lifetime Achievement Prize for Researchers is for *scholars from abroad* segment. The last data of submission has been prescribed was 25-12-2021. The selection process is in progress.

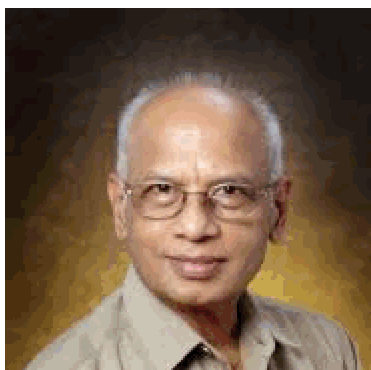
Distribution of Kairali Research Awards 2020

The award distribution ceremony of the Kairali Research Awards 2020 was held on 30th September 2021(Thursday) at 5.00pm at Mahatma Ayyankali Hall (VJT Hall), Thiruvananthapuram, during which the prestigious awards have been given to the winners by the Hon'ble Chief Minister of Kerala Shri. Pinarayi Vijayan. The function was chaired by the Hon'ble Minister for Higher Education Dr. R. Bindu.

List of Awardees

Kairali Global Lifetime Achievement Prize (Scholars within India)

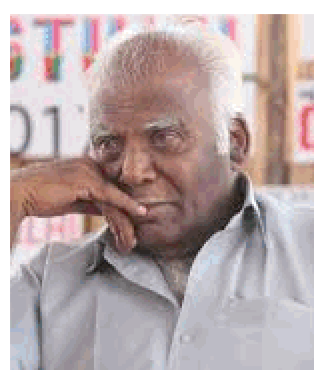
1. Dr. M. Sankaran Valiathan (Science)
2. Dr. K. N. Panikkar (Social Science)
3. Dr. M. R. Raghava Varier (Arts and Humanities)



Dr. M. Sankaran Valiathan
Science



Dr. K. N. Panikkar
Social Science



Dr. M. R. Raghava Varier
Arts and Humanities

Kairali Lifetime Achievement Prize for Researchers (Scholars from institutions within Kerala)

1. Dr. Scaria Zacharia (Arts and Humanities)
2. Dr. Sabu Thomas (Science)
3. Dr. P. Sanal Mohan (Social Science)



Dr. Scaria Zacharia
Arts and Humanities



Dr. Sabu Thomas
Science



Dr. P. Sanal Mohan
Social Science

Kairali Gaveshana Puraskaram (Faculty Members of colleges or universities)

1. Dr. Franklin J. (Chemical Science)
2. Dr. Suboj Babykutty (Biological Science)
3. Dr. Madhu S. Nair (Physical Science)
4. Dr. Devi Soumyaja (Social Science)
5. Dr. Santhosh Manicheri (Arts & Humanities)



Dr. Franklin J.
Chemical Science



Dr. Suboj Babykutty
Biological Science



Dr. Madhu S. Nair
Physical Science



Dr. Devi Soumyaja
Social Science



Dr. Santhosh Manicheri
Arts and Humanities

Kairali Gaveshaka Puraskaram (Ph.D. degree holders for Post-Doctoral Research)

1. Dr. Jabeen Fatima M.J. (Chemical Science)
2. Dr. Sreelekshmi S.(Biological Science)
3. Dr. Anshida Mayeen(Physical Science)
4. Dr. Sucheta Sankar V. (Arts & Humanities)



Dr. Jabeen Fathima M.J.
Chemical Science



Dr. S. Sree Lakshmi
Biological Science



Dr. Anshida Mayeen
Physical Science



Dr. Sucheta Shankar
Arts and Humanities



Kairali Research Award Ceremony held at Mahtma Ayyankali Hall

State Assessment and Accreditation Centre (SAAC)

Existing Schemes

1. Accreditation of Higher Education Institutions

SAAC has completed accreditation of two colleges in 2021-22. Farook Training College secured A+ Grade (CGPA 3.39) and Bishop Moore College secured A Grade (3.21).

Five Colleges are on the process of SAAC accreditation.

2. Orientation Programme for Higher Education Institutions

SAAC is conducting orientation programme on the assessment and accreditation process for interested higher education institutions across the state both in online and offline mode.

Now special efforts are being made to bring IHRD- College of Applied Sciences into the accreditation process. As part of this a two day Kerala and Mahatma Gandhi University level orientation programme was held on 19-20 January, 2022 in online mode. SAAC will complete Calicut and Kannur University level orientation programme in May.

As a follow up to the Orientation programme, special mentoring programme involving senior NAAC Peer Team member was also held for IHRD CAS colleges at Mavelikkara and Marayoor on 03.03.2022 and 05.03.2022.

Future Plans

Other than the existing programmes, following programmes are proposed for the year 2022-23.

1. Mentor- Mentee Scheme (For those institutions willing to go for accreditation within 3 years)

SAAC will provide mentor institution for those non accredited institutions willing to go for accreditation within 3 years.

2. Continuous Quality Improvement Programme (CQIP) & Institutional Development Plan (IDP)

The SAAC will provide technical support to the institutions for preparing CQIP and IDP from its pool of Consultant Group.

3. SAAC Consultants Group (SCG)

The main objective of forming a SAAC Consultants Group is to arrange a team that can be used for the successful implementation of both schemes – The PATH and CQIP& IDP

Accreditation of Colleges

Two colleges were accredited in 2021-22.

Bishop Moore College, Mavelikkara was the first college underwent for the SAAC accreditation process. A peer team lead by Prof. Ranganatha Annegowda, Former Director, National Assessment & Accreditation Council –NAAC visited the institution on 23rd and 24th September 2021. Prof. Sabu Thomas, Vice Chancellor M G University, Prof. Michael Tharakan, Former Vice Chancellor, Kannur University and Director, KCHR and Prof. Fathimuth Zuhara, Former Professor, University of Calicut were the members of the team.

Institution secured A Grade with a CGPA of 3.21.

Dr Shefeeque V, Dr Manulal P Ram and Dr Priya K Nair (Research Officers of the KSHEC) coordinated the visit.

Farook Training College, Farook is the first Teacher Training College underwent SAAC accreditation process. A peer team lead by Prof. Ranganatha Annegowda, Former Director, National Assessment & Accreditation Council –NAAC visited the institution on 29th and 30th November 2021. Prof. Michael Tharakan, Former Vice Chancellor, Kannur University and Director, KCHR and Prof. M A Khadar, Former Director, SCERT were the members of the team.

Institution secured A+ Grade with a CGPA of 3.39.

Dr Shefeeque V and Dr Priya K Nair (Research Officers of the KSHEC) coordinated the visit.

As the major objective of SAAC is to equip higher education institutions of the state for the national and international level accreditations, follow up meetings were conducted in both these institutions. Dr Shefeeque V, Research Officer attended the meeting.

Orientation Programmes on SAAC Accreditation

Orientation for the faculty in IHRD- College of Applied Sciences affiliated to the MG and Kerala University was held on 19-20 January, 2022 in online Mode. 95 teachers from 19 CAS colleges attended the program. Prof Rajan Gurukkal (Vice Chairman, KSHEC) inaugurated the programme., Dr P Suresh Kumar (Director, IHRD) attended the inaugural function. Dr Rajan Varghese (Member Secretary, KSHEC), Prof Gabriel Simon Thattil (IQAC Coordinator, University of Kerala), Dr Shefeeque V, Dr Manulal P

Ram and Dr Priya K Nair (Research Officers of the KSHEC) led different sessions. Prof Sabu Thomas, Vice Chancellor, MG University delivered valedictory address.

Orientation Programmes were conducted at IHRD- CAS College Mavelikkara and Marayoor on 03.03.2022 and 05.03.2022 on how to prepare for Accreditation. Dr. Geetha Gopinath, a senior NAAC Peer Team member and also Associate Professor in the University of Hyderabad and Dr Shefeeque V, Research Officers of the KSHEC attended the programme.

Training programmes were conducted for the institutions willing for undergoing SAAC accreditation. It includes Christ College, Irinjalakkuda, Bishop Moore College, Mavelikkara, and Farook Training College.

ADMINISTRATIVE REPORT (2021-22)

The third State Higher Education Council of Kerala had assumed office under the Vice Chairmanship of Dr. Rajan Gurukkal in November, 2017. Since then, the varied and innovative activities of the Council have been carried out by the competent team of officers it represented at all times.

Meetings of the Bodies of the Council

The Governing Body of the Council met 2 times during the year 2021-22 on 08/07/2021, and 25/10/2021. The Executive Body met 4 times during the year on 06/07/2021, 22/10/2021, 07/12/2021 and 25/03/2022.

File Management System

Shortage of staff, floating staff and flux of senior administrative officers have been persisting problems for the Council since its inception. To tide over the issues to the extent possible and to streamline the administrative procedure, a new file management system was introduced in the Council from 1st of January 2018 by the name Easy File Management System (EFMS) and the same system was continued in 2021-22 also.

Easy File Management System (EFMS), bearing the pet name *easy-peasy*, is a simple and straight forward file management system. This system has been planned and designed as a solution to many of the administrative issues faced by the Council, including shortage of staff, multiplicity of files, increase of workload and floating staff.

Objectives and Salient Features: The objectives and salient features of EFMS are given below in bullet points.

- Simple & straight forward, but efficient, transparent and quick
- Basically a pragmatic way of doing things
- Aims to limit the number of files created every year
- Facilitates easy retrieval and keeping of files
- Subject-wise creation of files (one file/file number for a subject in a year)
- Pre-determined file number for each subject
- In consonance with budget heads and plan proposals
- List of files that would be operated in a calendar year is distributed to everybody concerned in advance (Hence transparent)
- Facilitates smart work
- Provides room to take up more work

The administrative procedure of the Council became more pragmatic, efficient, quick and transparent with the introduction of EFMS.

Internal Committees

It was in 2016, internal committees were formed in the Council with the aim to make decision making and implementation transparent and democratic. Internal Management Committee (IMC) and Internal Finance cum Purchase Committee are the two committees functioning within the Council to facilitate decision making and implementation, on the basis of democratic discussions and opinion sharing. Of course, the internal committees are functioning to execute the decisions of the statutory bodies of the Council; viz, the Governing Body and the Executive Body.

Internal Management Committee is headed by the Vice Chairman himself and all the officers of the Council including the Member Secretary, Registrar, Finance Officer, Assistant Registrar, Research Officers, Section Officer and Documentation Officer are its members. Internal Purchase cum Finance Committee is chaired by the Member Secretary/ Registrar and Finance Officer, Assistant Registrar, Section Officer, one of the Research Officers and Assistant (Accounts Section) are the members of the Committee. The committee makes recommendations to the Vice Chairman on finance/ purchase related matters.

The internal committees of the Council functioned quite efficiently during the reporting year. Besides the meetings of the aforesaid committees, Staff Meetings were also frequent during the year and the democratic way of functioning created a cordial & healthy working atmosphere and warm interpersonal relationships.

Though there was not even a single complaint, the committee constituted under the Sexual Harassment against Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013 met periodically during the year as envisaged in the Act.

Right to Information Act- Compliance

Under the RTI Act, 2005, Registrar of KSHEC is the State Public Information Officer and Assistant Registrar is the Assistant State Public Information Officer. The Vice Chairman of the Council is the Appellate Authority.

Altogether 22 applications were lodged under RTI Act during 2021-22, out of which 2 applications were rejected for want of payment of fees in the prescribed mode. Information was given to all other applicants in time in an unambiguous and detailed manner. During the year, only one appeal was received and the same has been disposed.

Malayalam as Administrative Language

The Council have always worked in tandem with the policies of the Government upholding the significance of its programmes. In tune with the Government focus on incorporating the mother tongue in Administrative

governance, the Council staff have lent an yeoman's service in following the trails of the Government so as to carry on with this endeavor.

More than 50 percent of the correspondences of the Council is with central/ State agencies and Centrally assisted ones such as UGC, MHRD, NAAC, RUSA, other state Higher Education Councils etc., and the link language used for the communication is predominantly English, whereas in all other correspondence / communications, be it internal or with Government, Staff of the Council is making sincere efforts to use the mother tongue.

Audit Reports

The statutory auditor has given a clean report after auditing the accounts of the Council for the financial year 2021-22.

Interpersonal Relationship

Interpersonal relationship of the employees of KSHEC was cordial and warm during the period under report as in the past. The Council team continued the custom of celebrating festivals with great fervor, secular spirit and mirth.

Higher Education Reform Commissions

The Government of Kerala constituted three Commissions for studying the different aspects of higher education reforms as per the G.O (MS.) No.388/2021/H.EDN) dated 21/09/2021, G.O (MS.) No.389/2021/H.EDN) dated 21/09/2021 and G.O (MS.) No.390/2021/H.EDN) dated 21/09/2021.

As per the G.O (MS.) No.487/2021/H.EDN) dated 03/11/2021, the Kerala State Higher Education Council was directed to provide all the infrastructure and other facilities for the smooth functioning of the three Commissions and subsequently Dr Shefeeque V, Research Officer, KSHEC was designated as Coordinator for the same (Order No. KSHEC-A3/ 370/ Coordination of 3 Commns. /377/2021). Details of the Three Commissions are as follows:

Commission for the Reforms in Examinations in the Universities and Higher Education Institutions of Kerala

Prof.(Dr.) C.T. Aravindakumar (Chairman)

Dr. K. S. Anil Kumar (Member)

Dr. A. Praveen (Member)

Dr. Joshy C.L. (Member)

Commission for the Amendment of University Laws

Prof.(Dr) N.K Jayakumar (Chairman)

Prof.(Dr)Gopinath Ravindran(Member)

Dr Joy Job Kulavelil (Member)

Dr K K Damodaran (Member)

Adv P C Sasidharan (Member)

Commission for the Reforms in Higher Education System

Dr. Shyam B Menon (Chairman)

Dr. Pradeep T. (Convenor)

Dr. Sabu Thomas (Member)

Dr. Ayesha Kidwai (Member)

Prof. R Ramakumar (Member)

Dr. Sabu Abdul Hameed (Member)

Dr. M.V. Narayanan (Member)

Activities of the Commissions

Annual Report - 2021-22

The members of the different commissions convened for reformations in the domain of Higher Education held state wide consultation with the various stake holders. Several sittings were held with faculty, non teaching staff, students and parent of all the universities. Opinions were solicited from the stake holders and many meetings were held to discuss these suggestions. Regular meetings of the members of the commissions were held regularly both in the online and the offline mode The commissions for Exam reforms and Higher education reforms have submitted Interim reports.

**The Kerala State Higher Education Council
Trivandrum**



KSHEC

The Kerala State Higher Education Council

Govt. of Kerala

Audit for the Year ended 31st March 2021

**Mohan & Mohan Associates
Chartered Accountants**

Independent Auditor's Report

To
The Vice Chairman
The Kerala State Higher Education Council
Thiruvananthapuram.

Report on the Audit of the Financial Statements

Opinion

We have audited the financial statements of The Kerala State Higher Education Council ('the society'), which comprise the balance sheet as at March 31, 2022 and the Income and Expenditure statement for the year then ended and notes to the financial statements, including a summary of significant accounting policies.

In our opinion, the accompanying financial statements of the entity are prepared, in all material respects, in accordance with The Travancore-Cochin Literary, Scientific and Charitable Societies Registration Act, 1955.

Basis for Opinion

We conducted our audit in accordance with Standards on Auditing (SAs). Our responsibilities under those Standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report. We are independent of the entity in accordance with the ethical requirements that are relevant to our audit of the financial statements, and we have fulfilled our other responsibilities in accordance with these requirements. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Management's Responsibility for the Financial Statements

The Management of the society is responsible for the preparation of these financial statements that give a true and fair view of the financial position, financial performance and cash flows of the society in accordance with the accounting principles generally accepted in India, including the Accounting Standards. The respective office bearers of the society are responsible for maintenance of adequate accounting records for safeguarding of the assets of the society and for preventing and detecting frauds and other irregularities; the selection and application of appropriate accounting policies; making judgements and estimates that are reasonable and prudent; and the design, implementation and maintenance of adequate internal financial controls, that were operating effectively for ensuring the accuracy and completeness of the accounting records, relevant to the preparation and presentation of the financial statements that give a true and fair view and are free from material misstatement.

Auditor's Responsibility for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with SAs will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could

reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

As part of an audit in accordance with SAs, we exercise professional judgment and maintain professional skepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management.
- Conclude on the appropriateness of management's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the entity's ability to continue as a going concern. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report. However, future events or conditions may cause the entity to cease to continue as a going concern.
- We communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

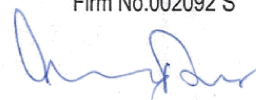
Other Matters

Reconciliation long pending items

Place: Trivandrum
Date: 30.06.2022



For Mohan & Mohan Associates
Chartered Accountants
Firm No.002092 S



R Suresh Mohan
(Partner)

Mem No. 13398

UDIN:XXXXXXXXXXXXXXXXXXXX

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THE KERALA STATE HIGHER EDUCATION COUNCIL
Science and Technology Museum Campus Vikas Bhavan P.O., PMG, Thiruvananthapuram-695033, Kerala, India
A society registered under The Travancore-Cochin Literary, Scientific and Charitable Societies Registration Act, 1955

Balance Sheet as at 31 March 2022

Liabilities	Sch No.	As at 31 March 2022	As at 31 March 2021	Assets	Sch No.	As at 31 March 2022	As at 31 March 2021
Capital Reserve	1	29,41,643	31,51,998	Property, Plant and Equipment	4	29,41,642	31,51,998
Endowment Fund		5,00,000	5,00,000	Cash & Bank Balances	5	9,56,18,818	8,92,34,411
Current Liabilities	2	20,81,837	20,04,418	Loans & Advances	6	32,16,170	83,67,418
Unspent Balance	3	9,62,53,151	9,50,97,411				
Total		10,17,76,631	10,07,53,826	Total		10,17,76,631	10,07,53,826

In terms of our report attached
For Mohan & Mohan Associates
Chartered Accountants
FRN:002092S



R. Suresh Mohan
(Partner)
M No:013398

Thiruvananthapuram
30.06.2022

For The Kerala State Higher Education Council

Finance Officer

Registrar

Member Secretary

Vice Chairman

Thiruvananthapuram
30.06.2022

THE KERALA STATE HIGHER EDUCATION COUNCIL
Science and Technology Museum Campus Vikas Bhavan P.O., PMG, Thiruvananthapuram-695033, Kerala, India
A society registered under The Travancore-Cochin Literary, Scientific and Charitable Societies Registration Act, 1955

Income and Expenditure for the year ended 31 March 2022

Expenditure	Sch No	Year ended 31 March 2022	Year ended 31 March 2021	Income	Sch No	Year ended 31 March 2022	Year ended 31 March 2021
To Higher Education Scholarship	7	7,45,96,738	11,01,16,471	By Grant from Government of Kerala Reckoned	17	10,83,88,424	12,77,74,953
To Programmes Under Center for Research on policies in higher education	8	62,25,869	5,01,068	By Other Receipts	18	5,22,250	8,34,030
To Programmes Under Center for Curriculum Development & Examination reforms	9	6,000	4,000	By Grant reckoned for ERUDITE Scheme	19	15,95,380	11,17,422
To Programmes Under Center for Human Resources Development & Capacity Building	10	7,11,451	4,64,947	By Grant reckoned for Festival of ideas	20	-	1,410
To Expenditure On ERUDITE Scheme	11	15,95,380	11,17,422	By Interest earned during the year	21	66,49,910	68,08,700
To Expenditure on festival of ideas	12	1,410	1,410	By Depreciation written back	4	5,64,907	5,60,862
To Salaries & Allowances	13	2,93,07,697	2,09,91,899				
To Office Expenses	14	34,99,530	29,20,298				
To State Assessment and Accreditation Centers	15	1,14,730	77,022				
To All Kerala Higher education Survey	16	10,98,570	3,41,978				
To Depreciation	4	5,64,907	5,60,862				
Total		11,77,20,871	13,70,97,377	Total		11,77,20,871	13,70,97,377

In terms of our report attached
For Mohan & Mohan Associates
Chartered Accountants
FRN:002092S



R. Suresh Mohan
(Partner)
M No:013398

Thiruvananthapuram
30.06.2022

For The Kerala State Higher Education Council

[Signature]
Registrar

[Signature]
Finance Officer

[Signature]
Member Secretary

[Signature]
Vice Chairman

Thiruvananthapuram
30.06.2022

SIGNIFICANT ACCOUNTING POLICIES

A. ACCOUNTING CONVENTION:

The financial statements are prepared on the basis of historical cost convention, unless otherwise stated, and on the accrual method of accounting followed by going concern concept, except for the Government Grants and other receipts except interest on investments.

B. REVENUE RECOGNITION:

Interest on investments / temporary parking of unspent funds is recognized on accrual basis on the basis if the statements from banks and estimates and interests on savings banks Accounts and Grants from Government are taken on actual receipt basis as and when credited by bank. In certain cases where tax has been deducted on the interest paid the interest income has been accounted on accrual basis for matching the income with the income tax records. Royalty on sale of books are accounted on realization basis.

C. USE OF ESTIMATES

The preparation of financial statements in conformity with generally accepted accounting principles requires management to make estimates and assumptions that affect the reported amounts of assets, liabilities, revenue and expenses. The estimates and assumptions used in the accompanying financial statements are based upon management's evaluation of the relevant facts and circumstances as of the date of the financial statements. Actual results may differ from the estimates and assumptions used in preparing the accompanying financial statements.

D. PROPERTY, PLANT & EQUIPMENT:

- Property, Plant & Equipment of the society are stated at historical cost less depreciation. The fixed assets acquired out of plan funds from Government of Kerala have been incorporated by credit of Capital Reserve Account.
- The balance of Property, Plant & Equipment asset represents historical cost less depreciation.

E. DEPRECIATION

- Depreciation on Property, Plant & Equipment has been charged under Written Down Value method by applying the rates specified under Income Tax Act 1961.

F. GOVERNMENT GRANT

The amount received from the government of Kerala through the Council is utilized for the purposes for which they were sanctioned. The amount after meeting the center's capital and revenue expenses is represented by the unspent balance of Government Grant in the utilization certificate.

G. UNSPENT BALANCE

The balance of amount received after capital and revenue expenses is stated in Utilization certificate. The balances as stated in the accounts are based on the classifications made in the previous years and the outstanding unspent balance under different heads may vary from the assumptions used in preparing the accompanying financial statements. Unspent balance of grants received for projects are accounted separately as per the sanction orders. The grants received from specific projects are classified separately in the schedule of Unspent Balance. The grants are utilized only for the purposes for which it was granted.

H. CURRENT ASSETS

- Cash and bank balances represent the balances with the Treasury account and savings bank account.
- Cash equivalents like fixed deposits are as per the confirmations provided.

I. LOANS AND ADVANCES.

- Advances and deposits with the suppliers and creditors are as certified by the management and are considered good.

J. INCOME AND EXPENDITURE ACCOUNT

Income and expenses of the center other than grant from government and other receipts except interest on investments are accounted on accrual basis unless otherwise

stated elsewhere. The institute is implementing projects under the following categories namely, Higher Education Scholarship, Higher Education Scholarship Renewal, Programmes under Center for Research on Policies in Higher Education, Programmes under Center for Human Resources Development & Capacity Building, Manapuram Endowment Scheme, and Project Financing.

K. INTEREST INCOME

Interests earned on deposits with banks are accounted on accrual basis based on the confirmations received. Interest earned on savings bank accounts are paid back to treasury at the end of the year except in the case of any endowment fund received.

L. Previous year figures have been regrouped wherever necessary to suit current years lay out.

1 Capital Reserve

Particulars	As at 31 March 2022	As at 31 March 2021
	₹	₹
Opening Balance of the reserve	31,51,998	32,95,266
Add: additions during the year	3,54,552	4,17,594
Less: deletions during the year	-	-
Less: Depreciation Charged in the books	5,64,907	5,60,862
Total	29,41,643	31,51,998
Corpus Donation received from Manapuram Finance	5,00,000	5,00,000
Total	34,41,643	36,51,998

2 Current Liabilities

Particulars	As at 31 March 2022	As at 31 March 2021
	₹	₹
Savings Bank Interest Payable to Government	1,38,578	1,67,791
Professional Fees Payable	80,480	80,480
Salaries payable	17,60,769	16,97,097
RTI Fee Payable to Treasury	50	50
Database of the Keralite Project	42,960	-
Auditors Remuneration Payable	59,000	59,000
Total	20,81,837	20,04,418

3 Unspent Balance

Particulars	As at 31 March 2022	As at 31 March 2021
Grant from Government of Kerala	₹	₹
Grant Received during the year	13,38,00,000	11,44,79,424
Refund received during the year	-	33,35,495
Other Receipts	5,22,250	8,34,030
Interest received during the year	66,49,910	68,08,700
Total Receipts	14,09,72,160	12,54,57,649
Amount utilized for Capital expenses	3,54,552	4,17,594
Amount utilized for Revenue expenses-Programs	8,27,53,358	11,14,42,114
Amount utilized for Revenue expenses- others	3,28,07,227	2,39,75,569
Total Expenditure	11,59,15,136	13,58,35,277
Unspent balance for the year	2,50,57,024	(1,03,77,628)
Unspent balance as at the beginning of the year	6,45,38,977	18,74,92,278
Less :Amount Taken Over By the Government	3,15,59,069	11,25,75,673
Unspent balance as at the end of the year	5,80,36,931	6,45,38,977
Grant under Erudite Scheme		
Unspent Balance Brought forward	1,95,82,026	1,84,14,761
Amount Received in the financial year	80,00,000	18,75,000
Refund received during the year	50,896	4,03,987
Add: Prior Period Adjustments		5,700
Amount utilized in the financial year	15,95,380	11,17,422
Unspent Balance at the end of the year- ERUDITE Scheme	2,60,37,542	1,95,82,026
Grant under Festival of Ideas		
Amount Received in the financial year	-	-
Amount utilized in the financial year	-	1,410
Amount Taken Over By the Government	16,48,866	-
Less : Prior Period Adjustments	-	5,700
Unspent balance for the year	-	-
Unspent balance as at the beginning of the year	16,48,866	16,55,976
Unspent Balance at the end of the year- Festival of Ideas	-	16,48,866
Kairali Research Awards		
Amount Received in the financial year	50,03,000	75,00,000
Amount utilized in the financial year	21,51,864	55,65,380
Unspent balance for the year	28,51,136	19,34,620
Unspent balance as at the beginning of the year	93,27,542	73,92,922
Unspent Balance at the end of the year- Kairali Research Awards	1,21,78,678	93,27,542
Less :Amount Taken Over By the Government	-	-
Total Unspent Balance for the year	9,62,53,152	9,50,97,411

4 Property, Plant and Equipment

Particulars	As at 1 April 2021	Additions	Deletions/ Adjustment	Total	Depreciation	As at 31 March 2022
Building	6,45,456	-		6,45,456	64,546	5,80,910
Furniture&Fixtures	8,04,341	-		8,04,341	80,434	7,23,907
Vehicles	8,44,676	-		8,44,676	1,26,701	7,17,975
Computers	5,15,958	1,68,639		6,84,597	2,40,509	4,44,088
Library Books	1,22,212	1,26,158		2,48,370	27,794	2,20,576
Electrical Equipment	2,19,355	59,755		2,79,110	24,923	2,54,187
Total	31,51,998	3,54,552		35,06,550	5,64,907	29,41,643
Previous Year	32,95,266	4,17,954	-	39,03,203	5,60,862	32,95,266

5 Cash & Bank Balances

Particulars	As at 31 March 2022	As at 31 March 2021
	₹	₹
Cash In hand	1,631	-
Bank of India A/c no.560	1,615	1,568
Bank of India A/c no.858	14,673	14,255
Union Bank of India A/c no.9637	25,18,539	65,51,477
Kerala Grammin Bank Corpus Fund FD	5,00,000	5,00,000
Kerala Gramin Bank 10350	61,709	71,856
Plan Scheme Treasury Saving Bank Alc (New A/c Opened)	10,00,000	10,00,000
Treasury account 208	100	101
STSB A/c -799012900000367	-	13,57,832
Treasury account 279	27,22,760	27,22,760
Treasury fixed deposit 807	-	7,70,14,562
Treasury fixed deposit 746	8,87,97,791	-
Total Cash & Bank balances	9,56,18,818	8,92,34,411

6 Loans & Advances

Particulars	As at 31 March 2022	As at 31 March 2021
	₹	₹
Telephone & Internet Deposit	5,883	5,883
Accrued Interest on deposits	15,08,662	79,79,220
Security Deposit	50,000	50,000
TDS on Interest received	16,36,352	3,27,104
Royalty Receivable	-	655
Prepaid Insurance- Vehicles	15,273	4,556
Total Loans & Advances	32,16,170	83,67,418

7 Higher Education Scholarship

Particulars	Year ended 31 March 2022	Year ended 31 March 2021
	₹	₹
Scholarship Disbursement	7,29,29,628	10,95,76,675
Scholarship Administration Charges	16,27,110	5,39,796
Manappuram Endowment Scheme	40,000	-
Total	7,45,96,738	11,01,16,471

8 Programmes Under Center for Research on policies in higher education

Particulars	Year ended 31 March 2022	Year ended 31 March 2021
	₹	₹
Expert Committee Expenses	9,69,600	1,32,126
Expenses for SLAC	18,000	12,000
Admi. Expense Chancellor Award	73,650	70,791
Library Expenses	9,440	2,82,151
Activities&Policies Taken Up As Per Govt.Directions	50,97,359	-
KALNET	57,820	-
National Seminar and conference	-	4,000
Total	62,25,869	5,01,068

9 Programmes Under Center for Curriculum Development & Examination reforms

Particulars	Year ended 31 March 2022	Year ended 31 March 2021
	₹	₹
Seminars ,Workshops for Academic Administers	6,000	4,000
Total	6,000	4,000

10 Programmes Under Center for Human Resources Development & Capacity Building

Particulars	Year ended 31 March 2022	Year ended 31 March 2021
	₹	₹
Seminars ,Workshops for Academic Administers	3,12,483	4,64,947
Faculty Training Programme	3,98,968	-
Total	7,11,451	4,64,947

11 Expenditure On ERUDITE Scheme

Particulars	Year ended 31 March 2022	Year ended 31 March 2021
	₹	₹
Conducting ERUDITE scheme	15,95,380	11,17,422
Total	15,95,380	11,17,422

12 Expenditure of Festival Of ideas

Particulars	Year ended 31 March 2022	Year ended 31 March 2021
	₹	₹
Expenditure on Festival of ideas	-	1,410
Total	-	1,410

13 Salaries & Allowances

Particulars	Year ended 31 March 2022	Year ended 31 March 2021
	₹	₹
Salaries and Allowance	2,93,07,697	2,09,91,899
Total	2,93,07,697	2,09,91,899

14 Office Expenses

Particulars	Year ended 31 March 2022	Year ended 31 March 2021
	₹	₹
Miscellaneous Expenditure	25,862	23,975
Other Office Expenses	10,001	2,349
Auditors Remuneration	59,000	59,000
News Paper & Periodicals	33,290	35,015
Professional Charges	70,800	70,800
Office Exp-Electricity & Water Charges	6,62,493	16,05,226
Office Exp-Hospitality	2,436	-
Repair & Maintenance-Vehicles	4,89,061	3,24,326
Repair & Maintenance-Building	7,81,294	42,500
Repairs and maintenance- furniture & equipment	1,80,029	1,63,504
Printing & Stationary	9,43,456	3,31,157
Postal charges	51,383	45,294
Telephone & Internet	1,90,425	2,17,152
Total	34,99,530	29,20,298

15 State Assessment and Accretion expenses

Particulars	Year ended 31 March 2022	Year ended 31 March 2021
	₹	₹
SAAC SEMINAR	19,793	13,650
Ta/ Da/Honorarium	94,937	63,372
Total	1,14,730	77,022

16 All Kerala Higher education Survey

Particulars	Year ended 31 March 2022	Year ended 31 March 2021
	₹	₹
All Kerala Higher education Survey	11,78,770	3,41,978
Less: Software Development	(80,200)	-
Total	10,98,570	3,41,978

17 Grant from Government of Kerala

Particulars	Year ended 31 March 2022	Year ended 31 March 2021
	₹	₹
Amount Received	13,38,00,000	11,44,79,424
Less Capital Expenditure Transferred to Capital Reserve	3,54,552	4,17,594
Add: Unspent balance as on the beginning of the Financial Year	6,45,38,977	18,74,92,278
Add: Refund Received during the year	-	33,35,495
Less: Unspent balance as on the end of the Financial Year	8,95,96,000	17,71,14,650
Grant reckoned from Government of Kerala for the year	10,83,88,424	12,77,74,953

18 Other Receipts

Particulars	Year ended 31 March 2022	Year ended 31 March 2021
	₹	₹
Miscellaneous Income	715	300
FDP receipt	4,06,201	7,50,924
Royalty	1,15,334	82,806
TOTAL	5,22,250	8,34,030

19 Grant from Government of Kerala for ERUDITE

Particulars	Year ended 31 March 2022	Year ended 31 March 2021
	₹	₹
Grant Receive during the year	80,00,000	18,75,000
Add: Unspent balance as on the beginning of the Financial Year	1,95,82,026	1,84,14,761
Add: Refund Received during the year	50,896	4,03,987
Less: Unspent balance as on the end of the Financial Year	2,60,37,542	1,95,76,326
Grant reckoned from Government of Kerala for the year	15,95,380	11,17,422

20 Festival of ideas

Particulars	Year ended 31 March 2022	Year ended 31 March 2021
	₹	₹
Grant Received during the year	-	-
Add: Unspent balance as on the beginning of the Financial Year	16,48,866	16,55,976
Less: Prior period expenses	-	5,700
Less: Amount Taken Over By The Government	16,48,866	-
Less: Unspent balance as on the end of the Financial Year	-	16,48,866
Grant reckoned from Government of Kerala for the year	-	1,410

21 Interest received during the year

Particulars	Year ended 31 March 2022	Year ended 31 March 2021
	₹	₹
Interest on Savings Bank accounts	27,992	27,014
Interest on Fixed Deposits	66,21,918	67,81,686
Total	66,49,910	68,08,700



For The Kerala State Higher Education Council

 Finance Officer


 Member Secretary


 Registrar


 Vice Chairman

Thiruvananthapuram
 30.06.2022

THE KERALA STATE HIGHER EDUCATION COUNCIL

Science and Technology museum campus Vikas Bhavan P.O., PMG, Thiruvananthapuram-695033, Kerala, India

A society registered under The Travancore-Cochin Literary, Scientific and Charitable Societies Registration Act, 1955

Utilisation Certificate for the year ended 31 March 2022 - Grant from Government of Kerala

	Particulars	Utilization	Utilization
		Year ended 31 March 2022	Year ended 31 March 2021
I	Receipts	₹	₹
1	Grant received from Govt of Kerala	13,38,00,000	11,44,79,424
2	Refund received during the year	-	33,35,495
3	Other Receipts	5,22,250	8,34,030
4	Interest from Banks	66,49,910	68,08,700
	Gross Receipts	14,09,72,160	12,54,57,649
II	Utilisation of Plan Grant from Government of Kerala		
1	Higher Education Scholarship Administration	16,67,110	5,39,796
2	Higher Education Scholarship	7,29,29,628	10,95,76,675
3	Programmes Under Center for Research on policies in higher education	62,25,869	5,01,068
4	Programmes Under Center for Curriculum Development & Examination reforms	6,000	4,000
5	Programmes Under Center for Human Resources Development & Capacity Building	7,11,451	4,64,947
6	Cluster of college scheme	-	-
7	State Assessment and Accreditation Centers	1,14,730	13,650
8	All Kerala Higher education Survey	10,98,570	3,41,978
9	Capital asset Creation	1,85,913	-
10	Erudite Programme	-	-
11	Remittance of int. accrued on S.B A/c Bal. to Govt. Revenue receipt A/c	-	-
12	Travelling Expenses	-	-
13	Salaries & Allowances	2,93,07,697	2,09,91,899
14	Office Expenses	34,99,530	29,83,670
15	Purchase of Computer & Software	1,68,639	4,17,594
16	Interest on scholarship corpus fund & endowment	-	-
17	Scholarship corpus fund(Fixed deposit)	-	-
18	Miscellaneous expenses	-	-
19	Amount Permanently resumed by Government of Kerala	3,15,59,069	11,25,75,673
	Total	14,74,74,205	24,84,10,950

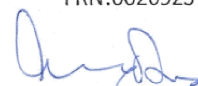
Unspent balance under Government Grant

Particulars		
Unspent balance as at the beginning of the year	6,45,38,977	18,74,92,278
Amount Received during the year	14,09,72,160	12,54,57,649
Amount Utilized during the year	14,74,74,205	24,84,10,950
Unspent balance of Plan Grant from Government of Kerala as at the end of the year	5,80,36,931	6,45,38,977

For Mohan & Mohan Associates

Chartered Accountants

FRN:002092S

R. Suresh Mohan

(Partner)

Memb no:013398

Thiruvananthapuram
30 June 2022

Annexure– 1

HIGHER EDUCATION EMPOWERMENT Implementation Plan Projects by the Kerala State Higher Education Council

Timeframe, Expenditure, Human Resource Requirement

May 2022

Projects & Initiatives of KSHEC

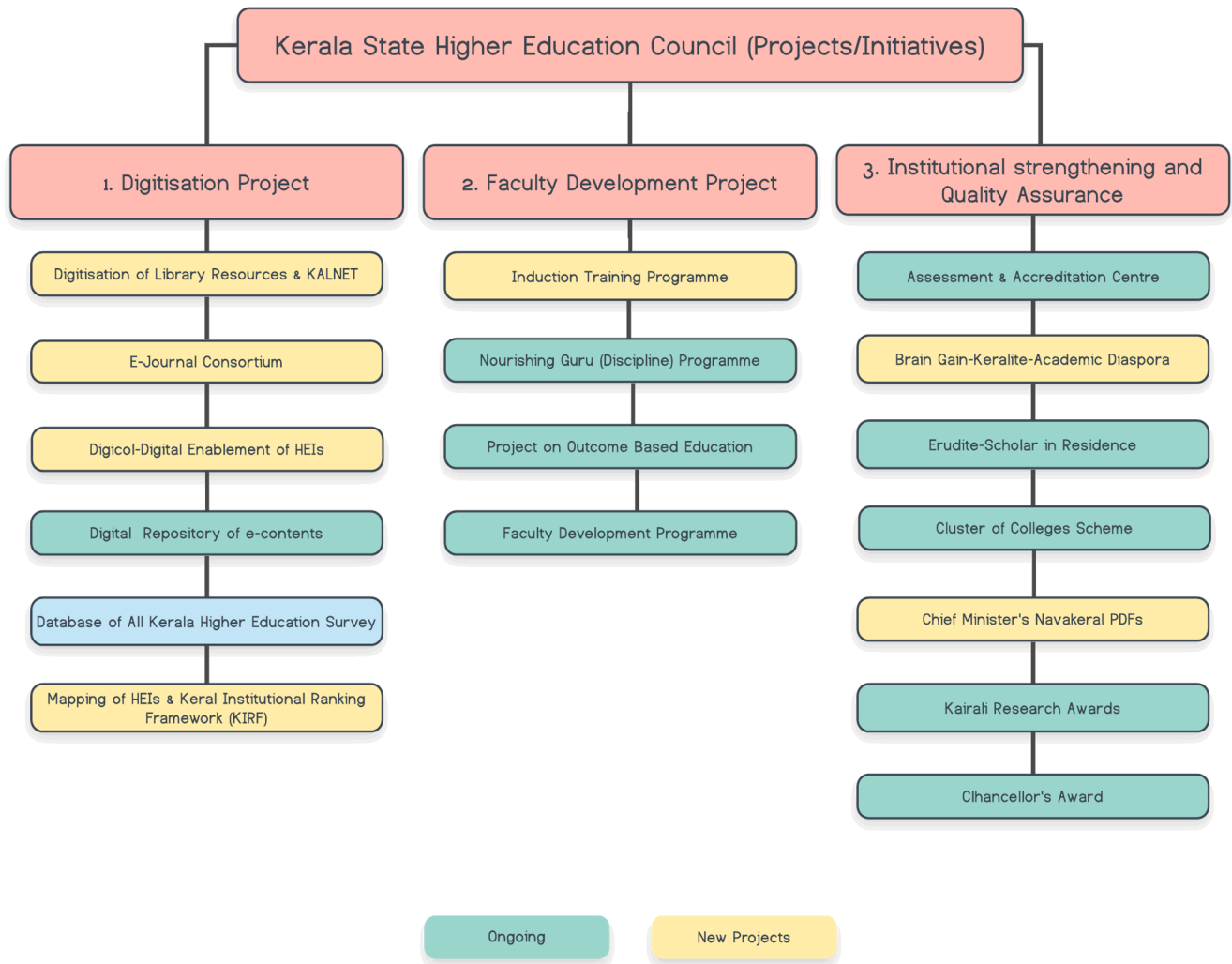
A. Summary

The following projects/initiatives are proposed by the Kerala State Higher Education Council as part of the higher education empowerment plan:

1. Digitisation Project (Total Expenditure : 52.2 crores)
2. Faculty Development Project (Total Expenditure: 8 crores)
3. Institutional Strengthening and Quality Assurance (Total Expenditure: 21 crores)

Timeframe & Expenditure & Human Resource Requirement

The Time frame, expenditure and Human resource required for the implementation of the proposed projects to be undertaken by the Council during 2020-21 & 2022-23 are given in the following pages.



1. Digitization Projects in HEIs



1.1. Digitisation of Library Resources & KALNET



1.2. E-Journal Consortium- Access to e journals



1.3. DIGICOL-Digital Enablement of HEIs



1.4. Digital Repository of course materials



1.5. All Kerala Higher Education Survey Database



1.6. Mapping of HEIs & Kerala Institutional Ranking Framework (KIRF)

Total Expenditure: 52.2 crores

1.1. For Digitisation of Library Resources & Development of Kerala Academic Library Network (KALNET)

Search interface for library resources for the stakeholders in higher education

A network of academic libraries of the universities and colleges for sharing of resources through KALNET, which has two levels (i) Libraries of Universities (ii) Libraries of affiliated colleges and later other HEIs.

Current Status/Tasks completed	Time-Frame & Achievable Target		Outcome	Total Expenditure
Phase I	Phase II Early Gains			
<ul style="list-style-type: none"> Convened Committees of Vice Chancellors/Librarians for consultation KALNET portal created in KSHEC website. Data hosted on State Data Centre Participation of 14 universities-networking of 140 libraries. Data of more than 15 lakh collection 	Mar 31, 2022	Agencies involved	<ul style="list-style-type: none"> Networking of 200 libraries of HEIs in the State & enhancing library material from 15lakhs to 20 lakhs Better utilisation of library resources and increased access to students and faculty Digitisation and Preservation of rare collections/special collections/manuscripts of university and other libraries 	10 Crores
	<ul style="list-style-type: none"> Inclusion of 50+ colleges in KALNET To include the research institutions like CDS and the units under KSCSTE Digitisation of library resources in universities & colleges, other libraries (Software & Hardware Installation /Technical expertise/infrastructure and other expenses) 	<ul style="list-style-type: none"> KSHEC (implementing agency) Nodal officers at University, Colleges & University of Calicut 		

1.2.

E-Journal Consortium Access to e journals for Universities & other HEIs This consortium is aimed at providing access to e-journals of internationally reputed publishers to universities to enrich the knowledge and increase the research output of academic community				
Current Status/Tasks completed Phase I	Time-Frame & Achievable Target Phase II Early Gains		Outcome	Total Expenditure
<ul style="list-style-type: none"> Convened Committees of Vice Chancellors/Librarians for consultation Collected and consolidated e-journal requirement from universities Consultations with some of the leading publishers Prepared a tentative list based on requirements of universities 	Mar 31, 2022	Agencies involved	<ul style="list-style-type: none"> Access to colleges and other institutions Increasing the number of e-journals & academic database Increased research output/productivity of faculty/universities will increase ranking state institutions globally 	20 crores
	<ul style="list-style-type: none"> Negotiations with librarians/publishers Making the consortium functional Expansion of e-consortium by including more publishers and e-resources. 	<ul style="list-style-type: none"> KSHEC / Universities (Nodal officers at university) 		

1.3.

DIGICOL-Digital Enablement of HEIs in Kerala

Let's Go Digital Scheme

Implement MOODLE-LMS in Higher Education Institutions in the state by providing free centralised server space in association with Digital University of Kerala

Current Status/Tasks completed Phase I	Time-Frame & Achievable Target Phase II Early Gains		Outcome	Total Expenditure
<ul style="list-style-type: none"> Developed Digital Platform-DIGICOL for colleges Trained 3500+ faculty members of university departments and colleges by the Faculty Development Centre, KSHEC Trained entire faculty of 35 colleges in the state Provided Server Space facility for 12 colleges at DUK District wise meetings of Principals of various colleges in the State. Created a pool of trainers in MOODLE-LMS 	Mar 31, 2022	Agencies involved	<ul style="list-style-type: none"> 500 Colleges on MOODLE-LMS Digital platform Utilisation of <i>Coursera, edX, Udacity, Future Learn, Canvas</i> etc. <i>Virtual Labs of MHRD, Merlot, Siemens</i> etc Boost online education 1500 faculty/30 colleges get trained Facilitate Blended learning/Flipped classroom/online teaching learning evaluation Bridging Digital Divide Linkage to <i>K-fone</i> Proctored Examination Solutions (Mercer, Mettle, Merritrac etc.) 	20 crores
	<ul style="list-style-type: none"> Providing centralised server facility for 35 colleges at Digital University Acquire Space at State Data Centre /enhance the capacity of Data Centre at DUK 	<ul style="list-style-type: none"> KSHEC / Digital University of Kerala and HEIs in the state and Universities 		

1.4.

Online Digital Repository of course materials

Vast Resource of e-contents for UG/PG programmes

A portal facility to host e-contents of courses of UG/PG programmes developed by the faculty members of government, affiliated colleges and universities similar to SWAYAM/NPTEL

Current Status/Tasks completed	Time-Frame & Achievable Target		Outcome	Total Expenditure
Phase I	Phase II Early Gains			
<ul style="list-style-type: none"> Portal facility developed, which hosts 3000+ e-contents on various subjects Access provided to teachers and students 	Mar 31, 2022	Agencies involved <ul style="list-style-type: none"> KSHEC DUK Other HEIs 	<ul style="list-style-type: none"> Access to 5000+ e-contents Enhancing the quality of e-contents and expanding the resources using advanced technology of digital pedagogy Academic credit to e-content developers /resource persons Single window access to e-contents/resources and access to courses of UG/PG levels for faculty and students in colleges Building State Level Knowledge Asset for research leading to the development of knowledge economy Targeted no. of registered users-2 lakhs 	1 crore

1.5.

All Kerala Higher Education Survey

Database of Higher Education Institutions in the State

Developing a comprehensive database of higher education institutions in the state based on several parameters including state specific features with time bound updation. To strengthen official statistical system for review of the performance of education sector in its regional divergences across the state. This scheme for is similar to AISHE

Current Status/Tasks completed	Time-Frame & Achievable Target		Outcome	Total Expenditure
Phase I	Phase II Early Gains			
<ul style="list-style-type: none"> State Specific features added Dedicated portal created in KSHEC website Developed online method of data collection Nodal officers in HEIs Published report on All Kerala Higher Education Survey Report 2020 	Mar 31, 2022	Agencies involved	<ul style="list-style-type: none"> Annual report on All Kerala Higher Education Survey Facilitates the Institutional Planning of HEIs in the state Report on effectiveness of online learning Report on IT survey to the Government Report to State Planning Board 	20 lakhs
	<ul style="list-style-type: none"> Publication of Survey Report on IT-infrastructure structural facilities in HEIs Coordination of AISHE survey 2021 Orientation Training for Nodal officers Data on digital divide 	KSHEC		

1.6.

Kerala State Higher Education Council Institutional Ranking Framework (KIRF) and Institutional Mapping Project A more Realistic Ranking Framework of HEIs in the state & Geographical Mapping Kerala-specific ranking index for universities and colleges on the lines of the National Institutional Ranking Framework in the state of Kerala. This will enable holistic ranking of the 1500+ higher education institutions in the state. This will be a pioneering step in the country.				
Current Status/Tasks completed Phase I	Time-Frame & Achievable Target Phase II Early Gains		Outcome	Total Expenditure
<ul style="list-style-type: none"> Convened meeting with state universities and a few colleges Prepared the criteria of selection and assessment metrics 	Mar 31, 2022	Agencies involved	<ul style="list-style-type: none"> Launching of KIRF with declaration of Ranks Geospatial Maps of HEIs Integrated with necessary information based on survey data available at a single click 	1 crore
	<ul style="list-style-type: none"> Preparation of Guidelines Constitution of selection/peer committee Create the portal in KSHEC website with adequate software updation Orientation programmes for colleges Start of Ranking Process in 10 colleges 'Thematic Mapping of HEIs on category/type based-(GIS) 	KSHEC		

2. Faculty Development Projects in HEIs



2.1 Induction Training for newly recruited



2.2. (NGP) Discipline specific training for faculty



2.3 Outcome Based Education (OBE) Redesigning of Courses



2.4. Faculty Development Programme (Short-term)

Total Expenditure: 8 crores

2.1.

Induction Training Programmes for faculty

In collaboration with major centres of excellence

Revamping MGP (Moulding the Guru Programme) of KSHEC by organizing Induction level training programme in collaboration with major centres of excellence in the country as well as eminent scholars who can impart innovative pedagogical skills and capacity building of new entrants in the field of teaching.

Current Status/Tasks completed	Time-Frame & Achievable Target		Outcome	Total Expenditure
Phase I	Phase II Early Gains			
MGP programmes are designed which can address topics on pedagogy, emerging areas of knowledge and writing of learning outcomes and Outcome Based Education	Mar 31, 2022	Agencies involved	<ul style="list-style-type: none"> • Completing induction programme for new teachers in universities and colleges • Skill Development in use of ICT & digital pedagogy meeting UGC prescriptions on quality enhancement • Enhance the professional skills in knowledge delivery, research methodology, technical writing 	1 crore
	<ul style="list-style-type: none"> • Conduct of training for newly appointed faculty during the current year, • Impart knowledge on their roles and responsibilities as faculty members, • Familiarize themselves with the structure, functioning, governance, rules, regulations and Professional expectations in higher education institutions • Explore pedagogical processes - aims of higher education, curriculum, instructional planning, • classroom management and transaction, use of ICT resources and assessment tools • Recognise the importance of self-development, socio-emotional development of students and the importance of nurturing ethics and values in higher education 	<ul style="list-style-type: none"> • KSH EC • Universities 		

2.2.

Nourishing the Guru Programmes (NGP)

Discipline specific training for newly recruited teachers

Revamping NGP as Discipline specific training for newly recruited teachers. This in collaboration with centres of excellence in the country as well as national research institutions. It can be done either through providing financial & academic support to the HE institutions for organizing such programmes. The lead college can conduct such training with participation from faculty of nearby colleges

Current Status/Tasks completed	Time-Frame & Achievable Target		6 months Outcome	Total Expenditure
Phase I	Phase II Early Gains			
KSHEChas organised various subject specific training sessions of 3 weeks duration in association with government institutions and experts from national institutions of excellence	Mar 31, 2022	Agencies involved	<ul style="list-style-type: none"> • Complete Discipline wise training for faculty of universities/colleges • Exposure to advanced developments in discipline areas • R&D Innovation methods • Quality enhancement in subject areas and specialisations • Quality research output 	1 crore
	<ul style="list-style-type: none"> • Conduct of training on discipline specific areas in collaboration with reputed institutions and scholars through Brain Gain project & through Erudite scheme • Hands-on-workshops on advanced technologies and instrumentation for quality enhancement in discipline specific and interdisciplinary research 	<ul style="list-style-type: none"> • KSHEC • Universities • Colleges 		

2.3.

Project on Outcome Based Education (OBE)

Redesigning of Courses of UG/ PG Programmes

All HEIs in the country are advised to implement OBE in curriculum design and practice by stating the learning outcomes of programmes and their courses including the Graduate Attributes. NAAC, UGC, NBA, AICTE etc. moot for the OBE in educational programmes.

Current Status/Tasks completed Phase I	Time-Frame & Achievable Target Phase II Early Gains		Outcome	Total Expenditure
<ul style="list-style-type: none"> • Training completed for various Board of Studies (BoS) of 7 universities and autonomous colleges • Institution Training provided to 24 colleges • Published comprehensive handbook on Outcome Based Education 	Mar 31, 2022	Agencies involved	<ul style="list-style-type: none"> • Encouragement to Multi-disciplinary/Cross disciplinary studies • Revamping of curriculum at UG/PG levels • Declaration of Graduate Attributes by Universities • Implementation of OBE in teaching Learning and Evaluation • Development of OBE Software • Bringing activity-oriented learning opportunities 	5 crores
	<ul style="list-style-type: none"> • Training for faculty in universities/colleges • Creation of taxonomy-based Question bank in universities 	<ul style="list-style-type: none"> • KSHEC / Faculty Development Centre • Universities 		

2.4.

Faculty Development Programme (FDP)

Short-term Training Programmes for faculty

Short-term faculty development programmes for one week duration (5 working days) impart quality and excellence in specific areas of pedagogy, and various emerging areas of knowledge. Beneficial to the faculty for CAS of promotion

Current Status/Tasks completed	Time-Frame & Achievable Target		Outcome	Total Expenditure
Phase I	Phase II			
	Early Gains			
<ul style="list-style-type: none"> Completed 6 FDPs in 2020-21 in which 1200 Faculty were trained topics like Online Education, Philosophy of Science, where eminent scholars led the classes Short-term courses of one week duration are recognised by most of the universities as equivalent to UGC prescribed short term courses of FDCs Applicable for Career Advancement Scheme Promotions 	Mar 31, 2022	Agencies involved	<ul style="list-style-type: none"> Conducting FDP-short-term programmes for university/college teachers Enhancing Skill in use of ICT-technology enhancement-research methodology-technical writing 	1 crore
	<ul style="list-style-type: none"> Conduct of various training programmes for teaching faculty and education administrators Imparting Knowledge on various topics handled by eminent scholars/academicians 	<ul style="list-style-type: none"> KSHEC Universities Colleges 		

3. Institutional Strengthening and Quality Assurance (Ongoing)



**3.1. State Assessment and
Accreditation Centre (SAAC)**



**3.2. Brain Gain Database
on Keralite-Academic Diaspora**



3.3. Cluster of Colleges Scheme



3.4. Erudite-Scholar in Residence

Total Expenditure: 21 crores

3.1

State Assessment and Accreditation Centre (SAAC)

Ensuring Levels of quality through continuous Evaluation of HEIs of the state
First state in the country to establish a state level accreditation centre similar to NAAC to assess and grade HE institutions in incorporating important state specific criteria in its assessment items

Current Status/Tasks completed Phase I	Time-Frame & Achievable Target Phase II Early Gains		Outcome	Total Expenditure
<ul style="list-style-type: none"> State Specific Criteria Developed SAAC Manual prepared Online Portal Developed and maintained by Council Peer team constituted First assessment completed with Grade awarded 	Mar 31, 2022	Agencies involved	<ul style="list-style-type: none"> Completing Assessment Process of 15 colleges Implementing PATH, Mentor-Mentee, IDP programmes in Institutions Institutional Development Plan for those institutions Enhanced visibility of Institutional Quality and Performance 	1 crore
	<ul style="list-style-type: none"> Assessment process of 5 colleges including peer team visit and other activities Implementing PATH Scheme for mentoring Aspirant HE Institutions & organise Residential Orientation Programme Implementing Continuous Quality Improvement Programmes Institutional Development Plan (IDP) for those Institutions with NAAC grade point 2.5 or less Workshop for Colleges for preparing IDP 	KSHEC		

3.2.

Brain Gain

Database on Keralite-Academic Diaspora around the Globe

Developing a database of Scientists, Social Scientists and Humanities Experts, Medical Professionals, Technocrats Management Experts working in the prestigious Universities and Research Institutions the world over and specializing in emerging areas of knowledge. The scheme envisages the utilisation of services of these academicians of Keralite origin

Current Status/Tasks completed Phase I	Time-Frame & Achievable Target Phase II Early Gains		Outcome	Total Expenditure
<ul style="list-style-type: none"> Online registration facility on KSHEC portal Creating database from countries around the world Preparation of report 	Mar 31, 2022	Agencies involved	<ul style="list-style-type: none"> Service of scholars of Keralite origin to the universities/colleges Establish linkage between faculty & research institutions abroad with academic institution in Kerala Arranging visits to universities/colleges Arranging online lectures/ courses by NRK scholars 	5 crores
	<ul style="list-style-type: none"> Inviting <i>Erudite</i> scholars in residence programme Arranging visits of scholars to state universities/colleges Creation and maintenance of database with help of software Sharing the details of scholars to universities and colleges Arranging visits to universities/colleges Arranging online lectures/courses by NRK scholars 	<ul style="list-style-type: none"> KSHEC Universities 		

3.3.

Cluster of Colleges Scheme

Sharing of Institutional resources among nearby colleges

The scheme for sharing institutional resources among partnering institutions for better higher educational outcomes. Academic infrastructure facilities are optimally exchanged between the students and teachers of the partnering institutions. UGC envisages that each cluster shall transform to individual universities.

Current Status/Tasks completed	Time-Frame & Achievable Target		Outcome	Total Expenditure
Phase I	Phase II			
	Early Gains			
<ul style="list-style-type: none"> 3 clusters in Thiruvananthapuram, Ernakulam and Kozhikode formed Various activities organised and resources shared among the partnering colleges in each cluster Handbook released 	Mar 31, 2022	Agencies involved	<ul style="list-style-type: none"> Academic Autonomy for clusters for conducting examination District wise clusters emerging as universities 	10 Crores
	<ul style="list-style-type: none"> Formation of 3 New clusters <ul style="list-style-type: none"> Kannur Cluster with Government Brennen College, Thalassery as lead College (2) Kasaragod Cluster with Government College, Kasaragod as lead college and (3) Palakkad Cluster with Government Victoria College, Palakkad as lead college Additional clusters are recommended for Thrissur & Alappuzha Establishing common Instrumentation facility & Inclusive Learning Facility in 3 clusters Special cluster can be formed in the aspirational district of Wayanad 	<ul style="list-style-type: none"> KSHEC Colleges 		

3.4.

Erudite-Scholar in Residence Programme

Knowledge Exchange with Nobel Laureates

Inviting Nobel Laureates and other eminent scholars to interact with young researchers of state HEIs. Inspiring our talented researchers, and opening up new opportunities for them to develop international research collaborations, Series of Lectures by visiting scholars at various institutions.

Current Status/Tasks completed Phase I	Time-Frame & Achievable Target Phase II Early Gains		6 months Outcome	Total Expenditure
<ul style="list-style-type: none"> Invited 150 scholars in various domains of knowledge Established Academic collaboration with foreign universities Produced valuable research Output Link with Brain Gain Scheme 	Mar 31, 2022	Agencies involved	50 scholars to visit state universities/colleges Link with Brain Gain scheme	5 crores
	<ul style="list-style-type: none"> Bring 2 scholars from abroad Bring 2 scholars of Keralite origin from abroad Bring 10 scholars from Abroad Bring 2 scholars of Keralite origin from abroad Bring 20 scholars from Abroad Consolidated report on academic & research output of the scheme over the years 	<ul style="list-style-type: none"> KSHEC Universities Colleges 		

3.5.

Kairali Research Awards

Awards to the eminent scholars (Keralite Origin) who excel in their research work

Gaveshaka Puraskaram and Gaveshana Puraskaram are given to encourage scholars & research pedagogues of Kerala origin within areas of Arts and Humanities, Biological Sciences, Chemical Sciences, Physical Sciences, Social Sciences and Lifetime Achievement Prizes for honouring most eminent research scholars for their lifetime contributions in research

Current Status/Tasks completed Phase I	Time-Frame & Achievable Target Phase II Early Gains		Outcome	Total Expenditure
<ul style="list-style-type: none"> • Selection Committee formed with eminent scholars • Selection completed and awards declared for 2020 including awards to (Dr. K.N. Panikker, M.S. Dr.Valiathan, Dr. M.R. Raghava Varier) • Award ceremony conducted for distribution of awards • Project work as part of the awards started • Notification issued for 2021 period 	Mar 31, 2022	Agencies involved	<ul style="list-style-type: none"> • Declaration of awards for 2021 • Selection of qualified research proposals 	1.8 Crore
	<ul style="list-style-type: none"> • Preliminary screening of applications by subject experts • Panel of subject experts on various subject groups under one selection committee member • Short-listing of eligible proposals • Completion of selection process through Interview & project presentation • Declaration of awards 2021 	<ul style="list-style-type: none"> • KSHEC • Funding channel (DCE) 		

3.6.

Chief Minister's Navakerala Post-Doctoral fellowships

Innovative Research Ideas on Development Goals of the state

Fellowships ranging from 50,000/- to 1,00,000/-per month for a period of two years. This Scheme has been designed to further the development plans of the state by promoting Research in domains of Eco diversity, Agriculture, Digital Technology, Genetics, Climate Change and the indigenous culture of Kerala.

Current Status/Task s completed	Time-Frame & Achievable Target		Outcome	Total Expenditure		
Phase I	Phase II					
	Mar 31, 2022	Agencies involved				
<ul style="list-style-type: none"> Notification Issued for inviting applications Portal Facility developed for receiving applications with project proposals Guidelines Issued Selection Committee proposed with subject wise experts for screening & selection of PD fellows 	<ul style="list-style-type: none"> Preliminary screening of applications by subject experts Panel of subject experts on various subject groups under one selection committee member Short-listing of eligible proposals Completion of selection process through Interview & project presentation Selection of quality project proposals 	<ul style="list-style-type: none"> KSHEC Higher Education Department 	<ul style="list-style-type: none"> Selection of qualified research proposals promote development plans of the state Final Selection of post-doctoral fellows 	Plan I	1st year	60 Cr
				(500 PDFs)	Total (2 years)	122.5 Cr
				Plan II	1st year	24 Cr
				(200 PDFs)	Total (2 years)	49 Cr
				Plan III	1st year	12 Cr
					Total (2 years)	24.6 Cr
				(100 PDFs)		

- Detailed table given separately

Human Resource -Staff Requirement

To carry out the above functions and responsibilities, staff strength of the council has to be adequately augmented forthwith. The schemes and initiatives suggested are meant to be implemented with the support of additional workforce. This can be considered only as a long-term investment for enhancing the quality of higher education in the context of the emerging knowledge economy

No	Designation	No. of posts	Mode of appointment	Qualification
1	Faculty/Research officer (Assistant Professor and above)	3	On Deputation	Qualification of Research officers of KSHEC-deputation from Universities and Colleges
2	Research Associate/ Research Assistant	2	On contract	Qualification of Research Associate of KSHEC
3	Documentation Officer	1	On Deputation	UGC Qualified Assistant Librarians (Universities/Colleges)
4	Technical Assistants	3	On contract	(PG Science/Social Science with proficiency in data science & working with statistical software or B.Tech. with similar proficiency)
5	Programme Officer- Internationalisation of Higher Education	1	Permanent/ contract	Scale of Pay of Associate Professor PG in Social Science having at least 3-year post qualification academic experience in internationalisation of education preferably in national or international organisations. Preference would be given for research experience. (Ph.D./M.Phil); Age Limit -50 years; Scale of Pay-as per UGC

Total Expenditure-All Activities (Continuing schemes)		Total Expenditure (Rs.)	
		2022-23	Current Year (2021-22)
1	Project for Digitisation of Library Resources & Development of Kerala Academic Library Network (KALNET)	10 Crores	5 crores
2	E-Journal Consortium	20 Crores	12 crores
3	DIGICOL-Digital Enablement of HEIs in Kerala	20 Crores	12 crores
4	State Assessment and Accreditation Centre (SAAC)	1 crore	50 lakhs
5	Online Digital Repository of course materials	1 crore	50 lakhs
6	All Kerala Higher Education Survey	20 lakhs	10 lakhs
7	Brain Gain	5 Crores	2 crores
8	Project on Outcome Based Education (OBE)	5 Crores	1 crore
9	Cluster of Colleges Scheme	10 Crores	6 crores
10	Erudite-Scholar in Residence Programme	5 Crores	2 crores
11	Kairali Research Awards	1.8 Crores	80 lakhs
12	Kerala Institutional Ranking Framework (KIRF) and Institutional Mapping Project	1 Crore	50 lakhs
13	Induction Training Programmes for faculty	1 Crore	10 lakhs
14	Nourishing the Guru Programmes (NGP)	1 Crore	10 lakhs
15	Faculty Development Programme (FDP)	1 Crore	20 lakhs
Total		83 crores	42.8 crores
16	Chief Minister's Navakerala Post-Doctoral fellowships (100 no.)	12 Crores	2 crores
Grand Total		95 Crores	44.8 crores

• Detailed Expenditure of Navakerala PDF

Plan I- (Estimated cost for 500 fellowships)	Total Expenditure (Maximum) (In Rs.)	
	1 st year	2 nd Year
Fellowship for 500 scholars (Monthly fellowship ranging from Rs. 50,000-1,00,000/person)	60 crores	60 crores
Contingency amount of Rs. 50,000 each for 500 scholars within two-year period of fellowship (set up laboratory and other facilities)	2.5 crores	
Initial year of Implementation	60 crores for first year	
Total for 2 years	122.5 crores (including Contingency amount)	
Plan II (Estimated cost for 200 fellowships)	1 st year	2 nd Year
	24 crores	24 crores
Initial year of Implementation	24 crores	
Total for 2 years	49 crores (including Contingency amount)	
Plan III (Estimated cost for 100 fellowships)	1 st year	2 nd Year
	12 crores	12 crores
Initial year of Implementation	12 crores for first year	
Total for 2 years	24.6 crores (including Contingency amount)	

B. Schemes in Detail

The detailed description of the implementation plan of the different schemes for the empowerment of higher education is given below. This is based on the Action Plan for Empowering Higher Education submitted to the Government by the KSHEC.

1. Centre for Research on Policies in Higher Education

i) Project for Digitisation of Library Resources & Development of Kerala Academic Library Network (KALNET)

The project envisages Digitisation and Preservation of rare collections/manuscripts of university and other libraries in the state. In order to ensure, co-operation of the libraries attached to the higher education institutions it was decided to form a network in the State

(KALNET) which would enable the sharing of resources among them. KALNET linking the academic libraries of the universities and colleges came into being in February 2021. KALNET would consist of two levels (i) Libraries of a University (ii) Libraries of affiliated colleges and later other state HEIs.

Total Amount Required	2021-22	2022-23
	5 crore	10crore

ii) E-Journal Consortium

The council resolved to establish a consortium of e journals in the State to cater to the needs of the academic community in wake of the rising costs of subscription to e journals and the paucity of funds faced by the universities. The KSHEC acts as the nodal agency of the consortium for which the state government as earmarked Rs.10 crores in the state budget for 2021-22.

Total Amount Required	2021-22	2022-23
	12crore	20crore

iii) DIGICOL - Digital Enablement of HEIs in Kerala (Let's Go Digital initiative)

The Digital Enablement of Higher Education Institutions is planned in response to the call of the Government to *Go Digital* in teaching/learning in higher education at the earliest. The plan is to establish Moodle Learning Management System (LMS) in all the higher education institutions in the state. The Kerala State Higher Education Council then proposed implementation of a centralised model, resource-frugal, easier, quicker, and less expensive with Digital University of Kerala. Expenditure required for the conduct of cluster level institutional training and setting up a centralised cloud space for KSHEC in SDC or of Digital University.

Total Amount Required	2021-22	2022-23
	12crore	20crore

iv.State Assessment and Accreditation Centre (SAAC)

(i) State Assessment and Accreditation Centre

The primary objective of the SAAC is to assess and assign state level accreditation and grades to all higher education institutions in the state including universities, government and aided colleges, autonomous colleges and self financing institutions/colleges. The Council had incorporated the establishment of SAAC as a major initiative in our plan proposal for 2019-20 and accordingly, the Honourable Governor declared the decision of the Government to establish the Centre under KSHEC. The Council conducted several district wise programmes for colleges pertaining to various aspects of SAAC.

The proposed initiatives of SAAC, the council scheme out (1) The PATH:Scheme for Mentoring Accreditation Aspirant Higher Education Institutions in Kerala, which organises Residential Orientation Programme (2/3 days) for Non-Accredited Higher Education Institutions, (2) Mentor-Mentee Scheme: For those institutions willing to go for accreditation within 3 years for Non-Accredited Higher Education Institutions (3) Continuous Quality Improvement Programme (CQIP) & Institutional Development Plan (IDP) for those Institutions with NAAC grade point 2.5 or less.

Total Amount Required	2021-22	2022-23
	50 lakhs	1 crore

(ii) Online Digital Repository of course materials of UG/PG programmes

Kerala State Higher Education Council provides a dedicated portal for students to access online study materials on various courses in UG/PG programmes in different subject disciplines of the state universities in its website. This repository has been developed in association with faculty members of government, affiliated colleges and universities in the state. A wide range of study materials for B.Sc./B.A./B.Com./B.B.A. and M.Sc./M.A./M.Com. programmes, are available. Students can easily choose according to their interest and demand as the website provides user-friendly windows for search, view and downloading. Funding is required to enhance the quality of course contents by providing financial support to the faculty using advanced technology of digital pedagogy.

Total Amount Required	2021-22	2022-23
	50 lakhs	1 crore

(iii) All Kerala Higher Education Survey

KSHEC conducts survey on Institutions about Academic, Infrastructure components on an annual basis. This scheme of conduct of survey is at par with AISHE but with state specific aspects have been addressed & captured through the process. Annual maintenance of portal facility and the other infrastructure updation is necessary.

Total Amount Required	2021-22	2022-23
	10 lakhs	20 lakhs

(iv) Expanding the Database on Keralite-Academic Diaspora (Brain Gain) and Utility

The Council in association with the State Planning Board has developed database of Keralite-Academic Diaspora around the Globe, which is termed as Brain Gain Project. This database includes the details of Scientists, Social Scientists and Humanities Experts, Medical Professionals, Technocrats, Management Experts working in the famous Universities and Research Institutions the world over and specializing in emerging areas of knowledge. The scheme envisages that the academics will utilize their sabbatical to visit Kerala and offer their expertise. Maintenance of portal for registration and preparing the roadmap & utilisation of database are the future course of action.

Total Amount Required	2021-22	2022-23
	2 Crores	5 Crores

2. Centre for Research on Curriculum Development

i) Training on Outcome Based Education (OBE)

Outcome Based Education (OBE) is the precisely drawn outcomes of a Course that provide clarity of purpose in teaching/learning. All HEIs in the country are advised to implement OBE in curriculum design and practice by stating the learning outcomes of programmes and their courses including the Graduate Attributes of the student community. NAAC, UGC, NBA, AICTE etc. moots for the OBE in educational programmes. KSHEC continues to offer 2 day hands on training (activity

oriented) and scientific expertise through residential workshop with the title “Redesigning of Courses for Outcome Based Education (OBE)” for the *Board of Studies* in all Universities & faculty of HEIs for redesigning the courses of UG and PG Programmes.

Total Amount Required	2021-22	2022-23
	1 Crore	5 Crore

3. Centre for Research on Human Resource Development and Capacity Building

i) Cluster of Colleges Scheme

The scheme for sharing institutional resources among partnering institutions for better higher educational outcomes. Presently there are 3 clusters in Thiruvananthapuram, Ernakulam and Kozhikode which were established in 2009. Each cluster is comprises of a number of institutions of higher learning located in proximity for its teachers and learner. Academic facilities including that of faculty resources, academic and research infrastructure etc. are optimally exchanged between the students and teachers of the partnering institutions. Cluster of Colleges provide a platform of optimal resource utilization of resources available as well as the resources provided to any partnering institutions by state and central funding. UGC envisages that each cluster shall transform to individual universities. KSHEC has proposed 3 more clusters in the state (1) Government Brennen College, Thalassery (Kannur Cluster), (2) Government College, Kasaragod (Kasaragod Cluster) (3) Government Victoria College, Palakkad (Palakkad Cluster) as lead colleges. There is also a general demand to implement this scheme in Alapuzha, Thrissur and Wayanad District.

Total Amount Required	2021-22	2022-23
	6 Crores	10 Crores

ii) Erudite- Scholar in Residence Programme

‘ERUDITE Scholar-in-Residence’ was introduced in 2010, during the term of the first Higher Education Council. This enabled Universities in the state to invite Nobel Laureates and other eminent scholars to interact with young researchers. The present

Council rejuvenated the programme with the full conviction of its predominant role in inspiring our talented researchers, and in opening up new opportunities for them to develop international research collaborations.

Total Amount Required	2021-22	2022-23
	2 Crore	5 Crore

iii) Kairali Research Awards

Government of Kerala with an aim to encourage the most eminent research scholars and research pedagogues of the state, have instituted Kairali Research Awards vide an order No. G.O. (Rt) No.253/2018/H.Edn dated 08-02-2018 which has accorded the necessary administrative sanction as proposed by the Higher Education Department for an amount of Rupees 130 Lakhs from the Budget Provision during the current financial year 2018-19. This award has conceptualised for most eminent research scholars in various academic disciplines under four categories of scholars viz. Kairali Gaveshaka Puraskaram, Kairali Gaveshana Puraskaram, Kairali Lifetime Achievement and Kairali Global Lifetime Achievement Award. Subsequent to this the government vide G.O. (Rt) No.820/2018/H.Edn dated 24-04-2018 authorised the state Higher Education Council (KSHEC) as the secretariat for the Kairali Research Awards.

Total Amount Required	2021-22	2022-23
	80 lakhs	1.8 Crore

iv) Kerala Institutional Ranking Framework (KIRF) and Institutional Mapping Project

The council envisages the creation of a Kerala-specific ranking index, which will be termed as Kerala Institutional Ranking Framework (KIRF) for universities and colleges on the lines of the National Institutional Ranking Framework in the state of Kerala. This will enable holistic and comprehensive ranking of the 1500+ higher education institutions in the state. This will be a pioneering step in the country.

Total Amount Required	2021-22	2022-23
	50 lakhs	1 crore

4 . Faculty Development Centre (FDC)

FDC engages with various activities for enhancing the quality of teaching-learning activity in the state universities and the affiliated institutions through by providing advanced training with the help of experts from emerging areas of pedagogy, and other domains of knowledge in higher education. Professional development of faculty members has gained the attention of educational institutions from all over the world. The present higher education sector of the country has to address the growing trends of globalization, advent of the knowledge economy, revolution and modern technology, social dissemination of educational outcomes in terms with Sustainable Development Goals (SDG) affecting university education. This can be accomplished through innovative as well as proven approaches in preparation and delivery of quality learning contents, conducting scientific research and solving community problems in the context of blended learning.

The future trend of training activity recommends the following thrust areas,

i) Induction Training Programmes for newly appointed faculty

As per the budget document, new recruitments of 1000 faculty members is expected to be completed in an year. Currently, KSHEC has MGP (Moulding the Guru Programme) for recent entrants in the teaching profession in higher education. FDC will organise such induction level training programmes in collaboration with major centres of excellence in the country utilising the resources of eminent scholars who can impart innovative pedagogical skills and capacity building of new entrants in the field of teaching.

Total Amount Required	2021-22	2022-23
	10 lakhs	1 crore

ii) Nourishing Guru Programmes (NGP)

Discipline specific training for newly recruited teachers is being provided by KSHEC since 2018 but with a limited number due to financial constraints. This in collaboration with centres of excellence in the country as well as national research institutions. It can be done through providing financial & academic support to the HE institutions for organising such programmes. The lead college can conduct such training with participation from faculty of nearby colleges (as clusters)

Total Amount Required	2021-22	2022-23
	10 lakhs	1 crore

iii) Mid Service Training for teachers

The council has a scheme called Pruning the Guru Programme (PGP) for mid service training for teachers using professionally designed training modules. This can be organised at the university and at the college level as part of the Career Advancement Scheme (CAS) for promotion at par with the functions of HRD centres of UGC in selected Universities. This will ensure continuous quality assurance of teaching profession.

Total Amount Required	2021-22	2022-23
	25 lakhs	75 lakhs

iv) Faculty Development programme (FDP)

Short-term faculty development programmes of one week duration (5 working days) are beneficial to the teaching community as per the UGC regulations 2018. The council imparts quality training programmes since 2019 under this scheme inviting eminent scholars and scientists of profound knowledge. Being an essential component in Career Advancement Scheme (CAS) of promotion in HEIs, FDP attracts large number of turnout of teachers for attending. Although a couple of universities (Kannur University, University of Calicut, MG University) have approved the FDPs as equivalent to the short-term course prescribed under UGC regulations 2018.

Total Amount Required	2021-22	2022-23
	20 lakhs	1 crore

v) Navakerala Post-Doctoral Fellowships

The Government of Kerala calls for applications for the Chief Minister's Nava Kerala Post doctoral Fellowships announced in the State Budget (2021-22). The State is planning to grant Fellowships ranging from 50,000/- to 1,00,000/-per month for a period of two years. This Scheme has been designed to further the development plans of the state by promoting Research in domains of Eco diversity, Agriculture, Digital Technology, Genetics, Climate Change and the indigenous culture of Kerala. The expenditure has continuing nature. The scheme can be implemented in a phased manner starting with 50 to 100 Fellowships in the first year and reaching the target of 500 in a five year period, depending on the number of credible proposals and availability of funds.

	2021-22	2022-23
Total Amount Required	2 crores	12 crores

vi) Prabudhata: Socialising the Benefits of Higher Education

Prabudhata is a project conceived and implemented by the KSHEC originally in collaboration with the Karakulam Grama Panchayathin Thiruvananthapuram District. As a model project Prabudhata aims to make use of potential of the local self governments and Kudumbashree to deliver the benefits of higher knowledge to the community and to garner, in return, inputs, themes, thoughts and ideas for meaningful research and studies from the society. The project to considered as a harbinger of a new democratic knowledge culture. The implementation of this project need to be expanded to other districts involving important social groups and respective HEIs.

	2021-22	2022-23
Total Amount Required	20 lakhs	20 lakhs

C. Human Resource Requirement

To carry out the above functions and responsibilities, staff strength of the council has to be adequately augmented forthwith. The schemes and initiatives suggested are meant

to be implemented with the support of additional workforce can bring about a sea change in higher education sector. And there is every reason to bear this additional expenditure. This can be considered only as a long-term investment for enhancing the quality of higher education in the context of the emerging knowledge economy.

Human Resource -Staff Requirement To carry out the above functions and responsibilities, staff strength of the council has to be adequately augmented forthwith. The schemes and initiatives suggested are meant to be implemented with the support of additional workforce. This can be considered only as a long-term investment for enhancing the quality of higher education in the context of the emerging knowledge economy				
No	Designation	No. of Posts	Mode of appointment	Qualification
1	Faculty/Research officer (Assistant Professor and above)	3	On Deputation	Qualification of Research officers of KSHEC- deputation from Universities and Colleges
2	Research Associate/ Research Assistant	2	On contract	Qualification of Research Associate of KSHEC
3	Documentation Officer	1	On Deputation	UGC Qualified Assistant Librarians (Universities/Colleges)
4	Technical Assistants	3	On contract	(PG Science/Social Science with proficiency in data science & working with statistical software or B.Tech. with similar proficiency)
5	Programme Officer- Internationalisation of Higher Education	1	Permanent/ contract	Scale of Pay of Associate Professor PG in Social Science having at least 3-year post qualification academic experience in internationalisation of education preferably in national or international organisations. Preference would be given for research experience. (Ph.D./M.Phil); Age Limit -50 years; Scale of Pay-as per UGC

Annexure– 2

ACT 22 OF 2007

THE KERALA STATE HIGHER EDUCATION COUNCIL ACT, 2007

An act to provide for the setting up of the Kerala State Higher Education Council.

Preamble.- WHEREAS, it is expedient to establish a State Higher Education Council as a collective of the Government, Universities, academics, experts and people's representatives in order to forge a synergic relationship among them by occupying an operational space in between the Government and Universities and between Universities and apex level regulatory bodies, with the objects of (i) ensuring the autonomy and accountability of all institutions of higher education in the State, (ii) promoting academic excellence and social justice by providing academic input to the State Government for policy formulation and perspective planning, and (iii) guiding the growth of higher education in accordance with the socio-economic requirements of the State;

AND WHEREAS it is necessary to achieve the above said objectives, to empower this Council to (i) review and coordinate the implementation of policies in all higher education institutions in the State including Universities, research institutions and colleges, (ii) network various programmes in higher education undertaken and promoted by the Central and State Governments and by national level regulatory bodies including the University Grants Commission, All India Council for Technical Education, National Council for Teacher Education, Medical Council of India, Bar Council of India and other similar statutory bodies, (iii) undertake independent work for the generation and dissemination of new ideas in higher education, (iv) provide common facilities for all Universities, research institutions, colleges and other centers of higher education (v) provide for the generation and optimum utilization of funds for the expansion and development of higher education and (vi) undertake such other programmes for promoting the objectives of social justice and excellence in education ;

BE it enacted in the Fifty-eighth Year of the Republic of India, as follows:-

1. Short title, Extent and Commencement. –

- (1) This Act may be called the Kerala State Higher Education Council Act, 2007.
- (2) It extends to the whole of the State of Kerala.
- (3) It shall be deemed to have come into force on 25th January, 2007.

2. Definitions.-- In this Act, unless the context otherwise requires,-

- (a) “Advisory Council” means the Advisory Council of the Council;
- (b) “All India Council for Technical Education” means the Council constituted under the All India Council for Technical Education Act, 1987 (Central Act 52 of 1987);
- (c) “Bar Council of India” means the Bar Council constituted under the Advocates Act, 1961 (Central Act 25 of 1961);
- (d) “Chairman” means the Chairman of the Council;
- (e) “college” means any Higher Education Institution affiliated to a University;
- (f) “Council” means the Kerala State Higher Education Council constituted under section 3;
- (g) “Executive Council” means the Executive Council of the Council;
- (h) “Governing Council” means the Governing Council of the Council;
- (i) “Government” means the Government of Kerala;
- (j) “Higher education” means the education and research studies leading to the award of a degree or diploma or certificate by a University or institution approved by the University;
- (k) “institution” means an academic institution of higher education and research, not being a college, associated with and admitted to privileges of a University or maintained by a University ;
- (l) “Medical Council of India” means the Council constituted under the Indian Medical Council Act, 1956 (Central Act 102 of 1956);
- (m) “Member” means a member of the Advisory Council, the Governing Council or the Executive Council, as the case may be;

- (n) “National Council for Teacher Education” means the Council constituted under the National Council for Teacher Education Act, 1993 (Central Act 73 of 1993);
- (o) “Notification” means the notification published in the official Gazette;
- (p) “Patron” means the Patron of the Council;
- (q) “Prescribed” means prescribed by rules made under this Act;
- (r) “Regular student” means a regular student of a university or a college affiliated to a university;
- (s) “regulations” means the regulations made by the Governing Council under this Act;
- (t) “State” means the State of Kerala;
- (u) “Statutes”, “Ordinances” and “Regulations” of a University mean respectively, the Statutes, the Ordinances and the Regulations issued under the respective Acts of a University;
- (v) “teacher” means any regular teacher working in a University, Government College or Government aided College or institution whose appointment has been made by a University or Government or approved by a University;
- (w) “University” means any University in the State established by an Act of the State Legislature;
- (x) “University Grants Commission” means the Commission established under the University Grants Commission Act, 1956 (Central Act 3 of 1956);
- (y) “Vice-Chairman” means the Vice-Chairman of the Council;
- (z) “Visitor” means the Visitor of the Council

3. Constitution of the Council.-

- (1) The Government may by notification, constitute, with effect from such date as may be specified therein, a Council to be called the Kerala State Higher Education Council.
- (2) The Council shall be a body corporate by the name aforesaid, having perpetual succession and a common seal and shall by the said name sue and be sued.
- (3) The headquarters of the Council shall be at Thiruvananthapuram

4. Responsibilities and functions of the Council.-

- (1) The Council shall have the following general responsibilities and functions, namely:-
- (a) to render advice to the Government, Universities and other institutions of higher education in the State;
 - (b) to co-ordinate the roles of the Government, Universities and apex regulatory agencies in higher education within the State;
 - (c) to evolve new concepts and programmes in higher education;
 - (d) to provide common facilities in higher education without impinging upon the autonomy of other institutions of higher education.
- (2) For the furtherance of the above responsibilities and functions, the Council shall specifically undertake the following, namely:-
- (a) provide academic input to the Government and to the Universities, research institutions and other centers of higher education in the State for the formulation and implementation of the policies on higher education and evolve a perspective plan for the development of higher education, suo moto or on the suggestion from Government or requests from Universities or other institutions;
 - (b) undertake independent research for the generation of new ideas for the promotion of social justice and academic excellence in higher education, hold awareness programmes for the academia and initiate or propose or pilot projects on an experimental basis in selected higher education institutions for implementation of the new ideas;
 - (c) undertake human resources development planning for the State and plan the growth and development of higher education in accordance with such planning;
 - (d) evolve guidelines for linkages of an academic nature among higher education institutions in the State and institutions within and outside the country;
 - (e) evolve programmes in order to promote the relevance of higher education for the economic, social and cultural development of the State;
 - (f) review existing guidelines and furnish recommendations for regulating admissions to various courses and for appointments to the posts of teachers and

teacheradministrators in Universities, colleges and other institutions of higher education;

- (g) suggest improvements in curriculum and syllabi in accordance with the changing societal and academic requirements and facilitate the development and publication of appropriate teaching material, including textbooks, educational softwares and e-learning facilities in order to improve the quality of education;
- (h) organise short term courses to train and update the knowledge and skills of higher education teaching personnel, educational administrators and other similarly situated;
- (i) advise the Government on the starting of new courses, colleges, and other higher education institutions in the State;
- (j) make proposals for the generation and utilisation of funds in accordance with the objectives of this Act;
- (k) evolve general guidelines for the release of grants by the Government to Universities and other institutions of higher education and advise the Government about the release of such grants to Universities and other institutions of higher education;
- (l) evolve schemes for providing equitable opportunities for higher education and scholarships and freeships and financial assistance to the needy students and co-ordinate implementation of Scheduled Castes and Scheduled Tribes and other eligible backward classes welfare programmes of the Central and the State Governments and other Central and State Level Funding Agencies;
- (m) review periodically the Statutes, Ordinances and Regulations of the Universities in the State and suggest appropriate improvements for the realisation of the objectives of social justice and academic excellence in education and suggest the framework for new Statutes, Ordinances, or Regulations for existing Universities or other institutions of higher education or new Universities or other institutions of higher education;
- (n) provide common facilities for the entire State by establishing centres, namely:-
 - (i) Centre for Research on Policies in Higher Education;

- (ii) Curriculum Development Centre;
- (iii) Centre for Capacity Building in respect of faculty and educational administrators;
- (iv) State Council for Assessment of Higher Education Institutions;
- (v) Examination Reforms Cell;
- (vi) Human Resources Development, Employment and Global Skills Development Cell;
- (o) hold discussions, conduct workshops and seminars with the objective of facilitating the widest possible consultations with experts and stakeholders including organizations of students and teachers for formulating the policies on higher education and facilitating their proper implementation;
- (p) facilitate the development of a synergic relationship among different agencies such as the State Government, Universities, colleges and other institutions of higher education in the State and the Central Government and regulatory bodies at the national level;
- (q) co-ordinate various programmes being promoted and undertaken by Central and State Governments and national level bodies like University Grants Commission, All India Council for Technical Education, National Council for Teacher Education, Medical Council of India, Bar Council of India and other similar statutory bodies and State level institutions like Universities, research institutions, colleges and other institutions of higher education in the territory of India;
- (r) provide a forum for the interaction among the academy, industries, agriculture and service sectors;
- (s) facilitate the conduct of workshops and seminars on questions of importance in higher education in different parts of the State;
- (t) undertake necessary steps for establishing inter-linkages between research and learning processes;

- (u) promote extension activities in colleges, institutions and Universities and encourage their integration into the curriculum so that the students and teachers become sensitive to social issues;
- (v) promote sports and cultural activities in the colleges, other institutions and Universities and integrate them with the co-curricular activities;
- (w) perform such other functions for the realisation of the twin objectives of social justice and excellence in higher education;
- (x) suggest steps for promoting democratisation and academic autonomy of Universities and other institutions of higher education;
- (y) evolve schemes to sensitise the students to environmental and gender issues.

5. The Patron.-

- (1) The Governor of Kerala, by virtue of his office shall be the Patron of the Council.
- (2) The Patron shall have the right to call for report on any matter pertaining to the affairs of the Council and offer suggestions for the improvement of the functioning of the Council.
- (3) The Patron shall have the right to address any meeting of the Council, if he so desires.

6. The Visitor.-

- (1) The Chief Minister of Kerala shall, by virtue of his office, be the Visitor of the Council.
- (2) The Visitor shall have the right to call for report on any matter pertaining to the affairs of the Council and offer suggestions for the improvement of the functioning of the Council.
- (3) The Visitor, shall preside over the meeting of the Advisory Council.

7. The Chairman.-

- (1) The Minister in charge of Higher Education of the State shall, by virtue of his office, be the Chairman of the Council.

(2) The Chairman shall have the right to call for report on any matter pertaining to the affairs of the Council and offer suggestions for the improvement of the functioning of the Council.

(3) The Chairman, shall preside over the meeting of the Governing Council and shall preside over the meeting of the Advisory Council in the absence of the Visitor.

8. The Vice-Chairman.-

(1) An eminent educationalist, preferably a former Vice-Chancellor, shall be appointed by the Government as the Vice-Chairman of the Council.

(2) The Vice-Chairman shall be the executive head of the Council.

(3) The Vice-Chairman shall preside over the meetings of the Executive Council and shall preside over the meetings of the Advisory Council and the Governing Council in the absence of the Visitor and the Chairman, as the case may be.

(4) The Vice-Chairman, shall exercise such other powers and perform such other functions as may be prescribed.

9. The Member-Secretary.-

(1) An academican, preferably with administrative experience, shall be appointed by the Government as Member-Secretary of the Council.

(2) The Member-Secretary shall be responsible for the co-ordination of the academic functions of the Council.

(3) The Member Secretary shall exercise such other powers and perform such other functions as may be prescribed.

10. The Registrar.-

(1) An officer not below the rank of a Joint Secretary to Government shall be appointed by the Government as Registrar of the Council, on deputation.

(2) The Registrar shall be responsible for the administration of the office of the Council.

(3) The Registrar shall represent the Council in all suits and other legal proceedings for and against the Council.

(4) The Registrar shall exercise such other powers and perform such other functions as may be prescribed.

(5) The terms and conditions of service of the Registrar shall be such as may be prescribed.

11. Composition of the Council.—

(1) The Council shall comprise of the following bodies, namely:-

- (a) the Advisory Council;
- (b) the Governing Council;
- (c) the Executive Council.

(2) The Bodies of the Council shall be reconstituted every four years from the date of their constitution: Provided that in the event of delay in the constitution of the Bodies, they shall continue to be in office for a further period of six months or their reconstitution, whichever is earlier.

12. The Advisory Council.-

The Advisory Council shall consist of the following members, namely:-

- (a) the Visitor;
- (b) the Chairman;
- (c) the Leader of Opposition in the Assembly;
- (d) the Minister for Health and Family Welfare;
- (e) the Minister for Agriculture;
- (f) the Minister for Law;
- (g) the Vice-Chairman;
- (h) the Member-Secretary;
- (i) two members of the Parliament from the State, one from the Lok Sabha and the other from the Rajya Sabha, nominated by the Government;
- (j) five members of the Legislative Assembly of Kerala, of whom one shall be a member of the Scheduled Caste or Scheduled Tribe and one shall be a woman, nominated by the Speaker;
- (k) one Vice-Chancellor of a University outside the State, nominated by the Government;
- (l) the Vice-Chairman, State Planning Board;

- (m) the Chairperson, Women's Commission;
- (n) the Chief Secretary to Government;
- (o) a prominent industrialist or business man, nominated by the Government;
- (p) an eminent person from the field of arts or literature, nominated by the Government;
- (q) an eminent social scientist, nominated by the Government;
- (r) an eminent person from, print or visual media, nominated by the Government;
- (s) an eminent member from the medical profession, nominated by the Government;
- (t) an eminent sports person, nominated by the Government;
- (u) an eminent scientist or technologist, nominated by the Government;
- (v) an eminent agriculturist, nominated by the Government;
- (w) an eminent jurist, nominated by the Government;
- (x) one Grama Panchayat President, nominated by the Government;
- (y) one Block Panchayat President, nominated by the Government;
- (z) one District Panchayat President, nominated by the Government;
- (aa) one Municipal Chairperson, nominated by the Government;
- (ab) one Mayor, nominated by the Government.

13. Powers and Functions of the Advisory Council.-

The Advisory Council shall meet at least once a year and shall deliberate on the general policies in higher education with particular reference to the functioning of the Council.

14. The Governing Council.-

The Governing Council shall consist of the following members, namely:-

- (a) the Chairman;
- (b) the Vice-Chairman;
- (c) the Member-Secretary;
- (d) five educationalists of repute from different Academic disciplines of whom one shall be a woman and one belonging to Scheduled Caste or Scheduled Tribe, nominated by the Government;
- (e) the Vice-Chancellors of all Universities;

- (f) A teacher member of the Academic Council of each University elected by the respective Academic Council of the University;
- (g) two student representatives of the University Unions or two regular students, of whom one shall be a woman, nominated by the Government;
- (h) a person who has distinguished himself in extension activities, nominated by the Government;
- (i) the Director of a Research Institution, nominated by the Government;
- (j) the member of the State Planning Board in charge of education;
- (k) a nominee of the University Grants Commission not below the rank of Joint Secretary, Ex-officio;
- (l) the Secretary to Government, Higher Education Department, Ex-officio;
- (m) the Secretary to Government, Finance Department, Ex-officio;
- (n) the Director of Technical Education, Ex-officio;
- (o) the Director of Medical Education, Ex-officio;
- (p) the Executive Vice-President, Kerala State Council for Science, Technology and Environment, Ex-officio;
- (q) the Director of Collegiate Education, Ex-officio;
- (r) the Agricultural Production Commissioner, Ex-officio.

15. Powers and functions of the Governing Council.-

The Governing Council shall have the following powers and functions, namely:-

- (a) it shall take all policy decisions on behalf of the Council;
- (b) it shall chalk out a perspective plan for the implementation of the policies, evolve various programmes to be implemented and determine the priorities of such programmes for implementation;
- (c) it shall approve the annual budget and the audited statement of expenditure in such manner as may be prescribed;
- (d) it shall make a self-appraisal of its performance and prepare an annual report showing details of its academic performance;

- (e) it shall give such directions to the Executive Council as may be necessary for the effective functioning of the Council in accordance with its objectives;
- (f) it shall with prior approval of the Government to frame regulations in accordance with this Act and the rules made there under;
- (g) it shall propose general guidelines for the release of grants by the Government to Universities and other institutions of higher education and advise the Government about the release of such grants to each University and other institutions of higher education;
- (h) it shall suggest measures for the academic and financial accountability of the Universities and other Institutions of higher education in the State;
- (i) it shall advise the Government and Universities and other institutions of higher education regarding the procedure of implementation of its decisions in all institutions of higher education including Universities, colleges and other institutions of higher education in the State;
- (j) it shall have such other powers as may be prescribed for the effective implementation of the programmes for the furtherance of the objectives of this Act;
- (k) it shall meet, as often as may be necessary, at such time and place and observe such rules of procedure as may be provided in the regulations provided that it shall meet at least twice a year;
- (l) it shall have power to act, notwithstanding any vacancy in the membership or any defect in the constitution thereof, and the proceedings of the Governing Council shall be valid notwithstanding that some person, who was not entitled to be a member, had attended, or otherwise had taken part in the proceedings of the Governing Council.

16. The Executive Council.-

There shall be an Executive Council for the Council consisting of the following members of the Governing Council, namely:-

- (a) the Vice-Chairman;
- (b) the Member-Secretary;

- (c) one of the Vice-Chancellors, nominated by rotation by the Government for a period of one year;
- (d) five educationalists nominated under clause (d) of section 14;
- (e) the Secretary to Government, Higher Education Department, Ex-officio.

17. Powers and duties of the Executive Council.-

The Executive Council shall have the following powers and duties, namely:-

- (a) it shall be competent to take decisions on behalf of the Council, subject to the concurrence of the Governing Council in all matters with policy implications: Provided that in urgent circumstances instead of concurrence, subsequent ratification of the Governing Council shall be sufficient;
- (b) it shall incur such expenses as are necessary to fulfill the objectives set out in this Act and carry out all decisions taken by the Governing Council;
- (c) it shall nominate one of its members to the Syndicate/Executive Committee of each University and such member shall ensure effective communication of the views of the Council and co-ordinate the implementation of programmes common to all universities;
- (d) it shall present before the Advisory Council the annual academic and financial audit reports of the Council for its perusal;
- (e) it shall present before the Governing Council the annual academic and financial audit reports of the Council for its approval;
- (f) it shall have such other powers, functions and duties as may be prescribed.

18. Special Invitees.-

- (1) The Vice-Chairman of the Council may for the purpose of carrying out the objectives of this Act, invite in writing any person who is not a member of the Council to take part in the deliberations of particular meetings of the Advisory Council, Governing Council, Executive Council and any other Body constituted by the Council for specific purposes as special invitees and such invitees shall have no right to vote in the meetings.

(2) The special invitees shall be paid from and out of the funds of the Council such sums as may be approved by the Vice-Chairman.

19. Meetings.-

(1) The meetings of the Advisory Council, the Governing Council and the Executive Council shall be convened by the Member-Secretary on the advice of the Vice-Chairman.

(2) The quorum for the meetings of the Governing Council and the Executive Council shall be one third of filled up membership in each body and decisions may be taken in the meetings by simple majority of those present and voting. There shall be no quorum for the meetings of the Advisory Council and decisions may be taken in the meetings by simple majority of those present and voting.

20. Terms and Conditions of Service of the Vice Chairman, Member Secretary and Members.-

(1) The Vice Chairman, Member Secretary and Members other than the Member of the Executive Council nominated under clause (c) of Section 16, unless removed from the office in accordance with the provisions of this Act, shall hold office for the entire term of the Body of Council to which they are appointed or nominated or elected as the case may be : Provided that they shall continue to hold office of Vice Chairman, Member Secretary and Members respectively for a further period of six months or till further appointment or nomination or election is made to the respective offices, whichever is earlier: Provided further that Vice Chairman, Member Secretary, and the members shall be eligible for re-appointment or re-nomination or re-election for a further term of four years, as the case may be.

(2) The Vice-Chairman, Member-Secretary or Members, may in writing under his signature, addressed to the Chairman, resign his membership from the Council: Provided that he shall continue to hold such office until his resignation is accepted and communicated in writing.

(3) The salaries, allowances and other perquisites payable to the Vice-Chairman shall be the same as that of Vice - Chancellor of a University and that payable to the Member Secretary shall be the same as that of a Pro-Vice- Chancellor of a University.

(4) Subject to the provisions of this section, the other terms and conditions of service of the Vice-Chairman, Member Secretary and Members shall be such as may be prescribed.

21. Removal from Membership of the Council.-

If, at any time, it appears to the Government that an appointed or nominated or elected Member has proved himself to be unfit to hold such office or has been guilty of misconduct or neglect which in the opinion of the Government renders his removal from the membership of the Council, as expedient, the Government may, after giving such member, a reasonable opportunity of showing cause as to why he shall not be removed from the Council and after examining the same decide whether to continue or remove such member, as the case may be, from his membership and in case of such removal from the membership of the Council it shall be made by notification.

22. Filling up of casual vacancy.-

If a casual vacancy arises in the office of a nominated or appointed Member, either by reason of
his death, resignation, removal or otherwise, such vacancy shall be filled up by the Government
by nomination or appointment and such Member shall hold office only for the remainder of the
term of the Member in whose place he was nominated or appointed, as the case may be.

23. Protection of acts done in good faith.-

No suit, prosecution or other legal proceeding shall lie against the Council or any member or officer or employee of the Council for anything which is done or intended to be done in good faith in pursuance of the provisions of this Act or any rules or regulations made there under.

24. Staff of the Council.-

The Council shall, with prior approval of the Government appoint such officers and staff, as it deems necessary for the discharge of its functions under this Act. The terms and conditions of service of the officers and staff of the Council shall be such as may be specified in the regulations to be framed by the Council.

25. Funds of the Council.-

(1) The funds of the Council shall include all sums which may, from time to time, be paid to it by the Government and all other receipts including any sum from the Central Government, any State Government, the University Grants Commission or any other authority, institutions or person.

(2) The Government may pay to the Council every financial year such sums as may be considered necessary for the functioning of the Council and for the discharge of its responsibilities and duties.

(3) All expenditure incurred by the Council under or for the purposes of this Act shall be defrayed from out of the Fund and any surplus remaining, after such expenditure has been met, shall be invested in such manner as may be prescribed.

26. Annual Accounts and Audit.-

(1) The accounts of the Council shall be maintained in such manner and in such form as may be prescribed.

(2) The Council shall prepare an annual statement of accounts in such form and in such manner as may be prescribed.

(3) The accounts of the Council shall be audited once in a year by such auditor as the Government may appoint in this behalf.

(4) The auditor appointed under sub-section (3) shall, for the purposes of audit, have such rights, privileges and authority as may be prescribed.

- (5) The Member-Secretary to the Council shall cause the annual audit report to be printed and forward a printed copy thereof to each member and shall place such report before the Governing Council for consideration at its next meeting.
- (6) The Governing Council shall take appropriate action forthwith to remedy any defect or irregularity that may be pointed out in the audit report.
- (7) The accounts of the Council as certified by the auditor together with the audit report along with the remarks of the Governing Council thereon shall be forwarded to the Government within such time as may be prescribed.
- (8) The Government shall, as soon as may be after the receipt of the annual accounts together with the audit report under sub-section (7) cause the same to be laid before the Legislative Assembly.

Annual Report.-

- (1) The Council shall prepare for every year a report on its activities under this Act during that year and submit the report to the Government in such form as may be prescribed.
- (2) The Government shall, as soon as may be after the receipt of a report under sub-section (1), cause the same to be laid before the Legislative Assembly.

28. Members and Staff of the Council to be public servants.-

The Chairman, Vice-Chairman, Members, Officers and Staff of the Council shall be deemed, when acting or purporting to act in pursuance of any of the provisions of this Act or any rule or regulation or order or direction made or issued under this Act shall be deemed to be public servants within the meaning of section 21 of the Indian Penal Code (Central Act 45 of 1860).

29. Overriding effect of the Act.-

The provisions of this Act or any rule made there under shall have effect notwithstanding anything inconsistent therewith contained in any law, other than this Act or in any instrument having effect by virtue of any law other than this Act or in any decree or order of any court or other authority.

30. Power to make regulations.-

(1) The Governing Council may with prior approval of the Government frame regulations in accordance with this Act and Rules made there under for carrying out all or any of the purposes of this Act.

31. Power to make rules.-

(1) The Government may by notification make rules either prospectively or retrospectively, for carrying out all or any of the purposes of this Act.

(2) Every rule made under this Act shall be laid, as soon as may be after it is made, before the Legislative Assembly, while it is in session for a total period of fourteen days which may be comprised in one session or in two successive sessions, and if, before the expiry of the session in which it is so laid or the session immediately following, the Legislative Assembly makes any amendment in the rule or decides that the rule should not be made, the rule shall, thereafter, have effect only in such form as amended or be of no effect, as the case may be; so, however, that any such amendment or annulment shall be without prejudice to the validity of anything previously done under that rule.

32. Power to remove difficulties.-

(1) If any difficulty arises in giving effect to the provisions of this Act, the Government may, by order, as occasion may require, do anything not inconsistent with the provisions of this Act which appears to them to be necessary or expedient for the purpose of removing the difficulty.

(2) Every order issued under sub-section (1) shall, as soon as may be after it is made be laid before the Legislative Assembly.

33. Repeal and Saving.-

(1) The Kerala State Higher Education Council Ordinance, 2007 (49 of 2007) is hereby repealed.

(2) Notwithstanding such repeal, anything done or deemed to have been done or any action taken or deemed to have been taken under the said Ordinance shall be deemed to have been done or taken under this Act.

Annexure– 3

ACT 19 OF 2018

**THE KERALA STATE HIGHER EDUCATION COUNCIL (AMENDMENT) ACT,
2018**

An act to amend the Kerala State Higher Education Council Act, 2007

Preamble. – WHEREAS, it is expedient to amend the Kerala State Higher Education Council Act, 2007, for the purposes hereinafter appearing;

BE it enacted in the Sixty- ninth Year of the Republic of India as follows:-

1. Short title and commencement.- (1) This act may be called the Kerala State Higher Education Council (Amendment) Act, 2018. (2) It shall be deemed to have come into force on the 5th day of July 2017.
2. Amendment of the preamble.-In the Kerala State Higher Education Council Act, 2007 (22 of 2007) (hereinafter referred to as the principal Act), in the preamble, in the first paragraph, for the word “experts”, the words and symbols “experts, teachers, students “ shall be substituted.
3. Substitution of certain expressions by certain other expressions.- In the principal Act, for the words “Advisory Council”, “Executive Council” and “Governing Council”, wherever they occur, the words “Advisory Body”, “ Executive Body” and “Governing Body” shall, respectively, be substituted.
4. Amendment of section 2.- In section 2 of the principal Act, after clause (s), the following clause shall be inserted, namely:- “(sa) “RUSA” means the Rashtriya Uchchatar Sahiksha Abhiyan, a centrally sponsored scheme for higher education;”.
5. Amendment of Section 4.- In section 4 of the principal Act,- (i) In sub-section (1), for clause (a), the following clause shall be substituted, namely:-
“(a) to render advice to the Government, Universities, colleges and other institutions of higher education in the State in matters of access, equity and excellence in higher education;”
(ii) in sub-section (2) after clause (y), the following clauses shall be inserted, namely:-
“(z) conduct longitudinal studies to understand the impact of student learning;
(za) promote and integrate scientifically proven indigenous knowledge systems in the State higher education system;
(zb) evolve programmes to improve access to higher education for differently abled students;
(zc) collaborate with the Government in the implementation of RUSA and other similar centrally sponsored schemes and other central sector schemes within the State;
(zd) evolve common academic guidelines for Universities in the State for mutual recognition, approval or equalization of academic programmes or areas of studies and nomenclature thereof;
(ze) evolve common academic guideline for Universities in the State for recognition,approval or equalization of academic programmes or areas of studies and

nomenclature thereof of various programmes conducted or co-ordinated by Universities or higher education institutions outside the State and outside the country;

(zf) facilitate the dissemination of knowledge of higher education to target audience through electronic and print media.”

6. Amendment of section 5.- In section 5 of the principal Act, after sub-section (3), the following sub-section shall be inserted, namely:- “(4) The Patron may refer any matter relating to higher education and higher education institutions as he deems fit, for the expert opinion of the Council.”
7. Amendment of section 6. – In section 6 of the principal Act, after sub-section (3) the following sub-section shall be inserted, namely:- “(4) The Visitor may refer any matter relating to higher education and higher education institutions, as he deems fit, for the expert opinion of the Council.”
8. Amendment of section 9.- In section 9 of the principal Act, in sub-section (3), after the words “ as may be prescribed”, the words, “or delegated by the Vice- Chairman from time to time” shall be inserted .
9. Amendment of section 10.- In section 10 of the principal Act, in sub-section (4) , after the words “as may be prescribed”, the words “or delegated by the Vice- Chairman from time to time” shall be inserted.
10. Amendment of section 11.- In section 11 of the principal Act in sub-section (2),- (i) after the words “shall be reconstituted” , the word “simultaneously” shall be inserted; (ii) in the proviso, for the words, “shall continue to be in office for a further period of six months or till their reconstitution, whichever is earlier”, the words “shall continue to hold office till their reconstitution” shall be substituted.
11. Amendment of section 12.- In section 12 of the Principal Act.- (i) for item (k) the following item shall be substituted, namely:- “(k) one Vice- Chancellor of a University outside the State of Kerala established by an Act of another State, nominated by the Government;” (ii) after item (ab), the following items shall be inserted, namely;- “(ac) one Chairman or Vice-Chairman of a State Higher Education Council outside the State of Kerala, nominated by the Government: (ad) one Vice- Chancellor of a Central University outside the State, nominated by the Government.”.
12. Amendment of section 14.- In section 14 of the principal Act, after item (r), the following items shall be inserted, namely:- “(s) one nominee of the Ministry of Human Resources Development, Government of India, not below the rank of a Joint Secretary; (t) State Project Director, RUSA;
(u) one Principal of an affiliated college, nominated by the Government; (v) one non-teaching staff member of a University or College, nominated by the Government.”.
- 1961 Amendment of section 15.- In section 15 of the principal Act, in clause (k),-
- 1962 (i) after the words “it shall meet”, the words “at least twice a year and” shall be inserted;
- 1963 (ii) the words “provided that it shall meet at least twice a year” shall be omitted.
- 1964 14. Amendment of section 17.- In section 17 of the principal Act, for clause (c), the following

1965 clause shall be substituted, namely:-

1966 “(c) it shall nominate one of its members to the Academic Council of each University”.

1967 15. Amendment of section 20.- In section 20 of the principal Act, in sub-section (1)

1968 in the first proviso, the words, “for a further period of six months or” and the words

1969 “whichever is earlier” shall be omitted.

1970 16. Amendment of section 25.- In section 25 of the principal Act, in sub-section (1), after

1971 the words “the University Grants Commission”. the symbol and word, “RUSA” shall

1972 be inserted.

1973 17. Special provision relating to existing Governing Council.-

1974 Notwithstanding anything contained in the principal Act, on and from the date

1975 of commencement of the Kerala State Higher Education Council (Amendment)

1976 Ordinance, 2017 (13 of 2017), the existing Governing Council shall stand dissolved

1977 and all the members of the said Governing Council shall be deemed to have vacated

1978 their offices as such on such dissolution.

1979 18. Repeal and saving.- (1) The Kerala State Higher Education Council (Amendment)

1980 Ordinance, 2018 (26 of 2018) is hereby repealed.

1981 (2) Notwithstanding such repeal, anything done or deemed to have been done or

1982 any action taken or deemed to have been taken under the Principal Act as amended

1983 by the said Ordinance shall be deemed to have been done or taken under the 1984 principal Act as amended by this Act.