

15 -ാം കേരള നിയമസഭ

13 -ാം സമ്മേളനം

നക്ഷത്ര ചിഹ്നം ഇല്ലാത്ത ചോദ്യം നം. 1656

13-02-2025 - ൽ മറുപടിയ്ക്ക്

സർവകലാശാലകളിലെ റിസർച്ച് പ്രൊജക്ടുകൾ

ചോദ്യം		ഉത്തരം	
ശ്രീ പി. അബ്ദുൽ ഹമീദ്		ഡോ. ആർ. ബിനു (ഉന്നതവിദ്യാഭ്യാസ-സാമൂഹ്യനീതി വകുപ്പ് മന്ത്രി)	
(എ)	സർവകലാശാല അധ്യാപകരുടെ മൈനർ റിസർച്ച് പ്രൊജക്ടുകൾക്ക് സീഡ് മണി എന്ന പേരിൽ സർവകലാശാലകൾ ധനസഹായം അനുവദിക്കാറുണ്ടോ; പ്രസ്തുതയിനത്തിൽ 2020-2021 സാമ്പത്തിക വർഷം മുതൽ നാളിതുവരെ അനുവദിച്ച തുകയുടെ വിശദാംശങ്ങൾ ലഭ്യമാക്കാമോ;	(എ)	ഉണ്ട്. സർവകലാശാലകൾ സീഡ് മണി ഇനത്തിൽ 2020-21 സാമ്പത്തിക വർഷം മുതൽ നാളിതുവരെ അനുവദിച്ച തുകയുടെ വിശദാംശങ്ങൾ അനുബന്ധം 1 ആയി ചേർക്കുന്നു. എ.പി.ജെ. അബ്ദുൾകലാം സാങ്കേതികശാസ്ത്ര സർവകലാശാലയെ സംബന്ധിച്ച വിവരം ശേഖരിച്ചുവരുന്നു.
(ബി)	സീഡ് മണി പ്രൊജക്ടിന് തെരഞ്ഞെടുക്കപ്പെട്ട ഓരോ അധ്യാപകനും സമർപ്പിച്ച പ്രൊജക്ടിന്റെ പേര് (പ്രൊപ്പോസലിന്റെ പേര്), ഓരോരുത്തർക്കും സർവകലാശാല നാളിതുവരെ അനുവദിച്ച തുക, അനുവദിച്ച തുകയിൽ ഓരോ ഇനത്തിലും ഇതുവരെ ചെലവഴിച്ച തുക, വാങ്ങിയ ഉപകരണങ്ങളുടെയും, കമ്പ്യൂട്ടറുകളുടെയും വിശദാംശങ്ങൾ എന്നിവ പഠനവകുപ്പ് തിരിച്ചു ലഭ്യമാക്കാമോ;	(ബി)	വിശദാംശങ്ങൾ അനുബന്ധം 2 ആയി ചേർക്കുന്നു. എം.ജി., കണ്ണൂർ, എ.പി.ജെ. അബ്ദുൾകലാം സാങ്കേതികശാസ്ത്ര സർവകലാശാലകളെ സംബന്ധിച്ച വിവരം ശേഖരിച്ചുവരുന്നു.
(സി)	സീഡ് മണി പ്രൊജക്ട് പ്രകാരം ലാപ്ടോപ്പ്/ഡെസ്ക് ടോപ്പ് കമ്പ്യൂട്ടറുകൾ വാങ്ങുന്നതിന് അനുവാദം ചോദിച്ച അധ്യാപകരുടെയും, പ്രസ്തുതയിനത്തിൽ അനുവദിച്ച തുകയുടെയും വിശദാംശങ്ങൾ ലഭ്യമാക്കാമോ;	(സി)	വിശദാംശങ്ങൾ അനുബന്ധം 3 ആയി ചേർക്കുന്നു. എം.ജി., കണ്ണൂർ, എ.പി.ജെ. അബ്ദുൾകലാം സാങ്കേതികശാസ്ത്ര സർവകലാശാലകളെ സംബന്ധിച്ച വിവരം ശേഖരിച്ചുവരുന്നു.
(ഡി)	രണ്ടു വർഷ സമയപരിധി കഴിഞ്ഞിട്ടും പ്രൊജക്ടുകൾ പൂർത്തീകരിക്കാത്ത അധ്യാപകരുടെ വിശദാംശങ്ങൾ ലഭ്യമാക്കാമോ;	(ഡി)	വിശദാംശങ്ങൾ അനുബന്ധം 4 ആയി ചേർക്കുന്നു. എ.പി.ജെ. അബ്ദുൾകലാം സാങ്കേതികശാസ്ത്ര സർവകലാശാലയെ സംബന്ധിച്ച വിവരം ശേഖരിച്ചുവരുന്നു.
(ഇ)	പ്രൊജക്ടുകളിൽ വിഭാവനം ചെയ്ത ലക്ഷ്യം പൂർത്തീകരിച്ചിട്ടുണ്ടോയെന്നും, ഇവ സർവകലാശാലയ്ക്കും, പൊതുസമൂഹത്തിനും ഗുണകരമായിട്ടുണ്ടോയെന്നും വിശദമാക്കാമോ?	(ഇ)	പ്രൊജക്ടുകൾ വിഭാവനം ചെയ്ത ലക്ഷ്യം പൂർത്തീകരിച്ചിട്ടുണ്ടോയെന്ന് സർവകലാശാലകൾ പരിശോധിക്കാറുണ്ട്. സർവകലാശാലകൾക്കും അതുപോലെ തന്നെ പൊതുസമൂഹത്തിനും

		ഗുണകരമാകുന്ന വിവിധ വിഷയങ്ങൾ പ്രസ്തുത പ്രോജക്റ്റുകളിൽ ഉൾപ്പെടുത്താറുണ്ട്.
--	--	--

സെക്ഷൻ ഓഫീസർ

കേരള സർവകലാശാല

മൈനർ റിസർച്ച് പ്രോജക്റ്റുകൾക്ക് സീഡ് മണി കൊടുത്തിട്ടില്ല.

കാലിക്കറ്റ് സർവകലാശാല

സാമ്പത്തിക വർഷം	അനുവദിച്ച തുക
2020-21	തുക അനുവദിച്ചിരുന്നില്ല
2021-22	80,00,000/-
2022-23	1,00,00,000/-
2023-24	1,00,00,000/-
2024-25	50,00,000/-

കണ്ണൂർ സർവകലാശാല

സർവകലാശാല അധ്യാപകരുടെ മൈനർ റിസർച്ച് പ്രോജക്റ്റുകൾക്ക് സീഡ് മണി എന്ന പേരിൽ കണ്ണൂർ സർവകലാശാല 2023-24 വർഷത്തിൽ ധനസഹായം അനുവദിച്ചിട്ടുണ്ട്. പ്രസ്തുത ഇനത്തിൽ 2020-21 മുതൽ നാളിതുവരെയായി കണ്ണൂർ സർവകലാശാല ആകെ 57,65,000/- രൂപ അനുവദിച്ചിട്ടുണ്ട്.

കുസാറ്റ്

സാമ്പത്തിക വർഷം	അനുവദിച്ച തുക (ലക്ഷത്തിൽ)
2020-21	72.10
2021-22	21.20
2022-23	22.35
2024-25	17.57

മഹാത്മാഗാന്ധി സർവകലാശാല

SEED MONEY SANCTIONED FACULTY LIST

As on: 07.02.2024

Sl. No.	Name of Faculty Member	Department	Seed Money Sanctioned UO No.	Sanctioned Amount (Rs.)
1	Dr.Madhulal M	School of Management & Bussiness Studies	5074/IQAC/2022/MGU Dated 13.05.2022	50000.00
2	Dr. Muhammed K.V	School of Pedagogical Sciences	5074/IQAC/2022/MGU Dated 13.05.2022	50000.00
3	Dr. Siby G Netto	School of Pedagogical Sciences	5074/IQAC/2022/MGU Dated 13.05.2022	50000.00
4	Dr. Ismail Thamarasseri	School of Pedagogical Sciences	5074/IQAC/2022/MGU Dated 13.05.2022	50000.00
5	Dr. Abhilash Babu	School of Social Science	5074/IQAC/2022/MGU Dated 13.05.2022	50000.00
6	Dr. Toney K Thomas	School of Tourism Studies	5074/IQAC/2022/MGU Dated 13.05.2022	50000.00
7	Dr. Sindhu R Babu	School of Tourism Studies	5074/IQAC/2022/MGU Dated 13.05.2022	50000.00
8	Dr. Sujithkumar Parayil	School of Social Science	5074/IQAC/2022/MGU Dated 13.05.2022	50000.00
9	Dr. Vinod Kumar S	School of Behavioural Sciences	5074/IQAC/2022/MGU Dated 13.05.2022	50000.00
10	Dr. Dinesan V	School of Social Science	5074/IQAC/2022/MGU Dated 13.05.2022	50000.00
11	Dr. Baiju K R	School of Environmental Sciences	8942/IQAC/2022/MGU Dated 30.08.2022	100000.00
12	Dr. Biju P R	School of Pure and Applied Physics	8942/IQAC/2022/MGU Dated 30.08.2022	100000.00
13	Dr. Renjan Rajan John	School of Pure and Applied Physics	8942/IQAC/2022/MGU Dated 30.08.2022	100000.00
14	Dr. Aneesa P	School of Chemical Science	8942/IQAC/2022/MGU Dated 30.08.2022	100000.00
15	Dr. Ajees A.P	School of Computer Science	8942/IQAC/2022/MGU Dated 30.08.2022	100000.00
16	Dr. Mary Senterila P.S.	School of International Relations and Politics	5084/IQAC/2022/MGU Dated 13.05.2022	50000.00
17	Smt. Swathymol P.S.	School of Behavioural Sciences	5084/IQAC/2022/MGU Dated 13.05.2022	50000.00
18	Dr. Rekha Raj	School of Gandhian Thought and Development Studies	5084/IQAC/2022/MGU Dated 13.05.2022	50000.00
19	Dr. Rajesh M	School of Gandhian Thought and Development Studies	5084/IQAC/2022/MGU Dated 13.05.2022	50000.00
20	Dr. Abhilash G Nath	School of Gandhian Thought and Development Studies	5084/IQAC/2022/MGU Dated 13.05.2022	50000.00
21	Dr. Arthi P.M	School of Indian Legal Thought	5084/IQAC/2022/MGU Dated 13.05.2022	50000.00
22	Dr. Mathew A Varghese	School of International Relations and Politics	5084/IQAC/2022/MGU Dated 13.05.2022	50000.00
23	Dr. Rajesh V. Nair	School of Letters	5084/IQAC/2022/MGU Dated 13.05.2022	50000.00
24	Ms. Susmitha K.S.	School of Letters	5084/IQAC/2022/MGU Dated 13.05.2022	50000.00
25	Dr. Roshna Varghese	School of Management & Bussiness Studies	5084/IQAC/2022/MGU Dated 13.05.2022	50000.00

26	Dr. Noushad P.P.	School of Gandhian Thought and Development Studies	8943/IQAC/2022/MGU Dated 30.08.2022	50000.00
27	Dr. Biju Lekshmanan	School of Gandhian Thought and Development Studies	8943/IQAC/2022/MGU Dated 30.08.2022	50000.00
28	Dr. Sajana Jaleel	School of Pedagogical Sciences	8943/IQAC/2022/MGU Dated 30.08.2022	50000.00
29	Dr. A Aparna Eswaran	School of International Relations and Politics	8943/IQAC/2022/MGU Dated 30.08.2022	50000.00
30	Dr. Jojin V John	School of International Relations and Politics	8943/IQAC/2022/MGU Dated 30.08.2022	50000.00
31	Dr. P.B Arya	School of Indian Legal Thought	8943/IQAC/2022/MGU Dated 30.08.2022	50000.00
32	Dr. Smitha S	School of Pedagogical Sciences	8943/IQAC/2022/MGU Dated 30.08.2022	50000.00
33	Dr. Silpa Satheesh	School of Social Science	8943/IQAC/2022/MGU Dated 30.08.2022	50000.00
34	Dr. Tijo Thomas	School of Management & Bussiness Studies	8943/IQAC/2022/MGU Dated 30.08.2022	50000.00
35	Dr. Rohith P	School of Letters	8943/IQAC/2022/MGU Dated 30.08.2022	50000.00
36	Dr. Johnney Johnson	School of Management & Bussiness Studies	8992/IQAC/2022/MGU Dated 31.08.2022	50000.00
37	Dr. M.H. Ilias	School of Gandhian Thought and Development Studies	8992/IQAC/2022/MGU Dated 31.08.2022	50000.00
38	Dr. Bismi Gopalakrishnan	School of Indian Legal Thought	8992/IQAC/2022/MGU Dated 31.08.2022	50000.00
39	Dr. Asha J.V.	School Of Pedagogical Sciences	8992/IQAC/2022/MGU Dated 31.08.2022	50000.00
40	Dr. Anitha C Kumar	School of Chemical Science	5057/IQAC/2022/MGU Dated 13.05.2022	100000.00
41	Dr. Ditty Dixon	School of Chemical Science	5057/IQAC/2022/MGU Dated 13.05.2022	100000.00
42	Dr. Sreekala M.S.	School of Chemical Science	5057/IQAC/2022/MGU Dated 13.05.2022	100000.00
43	Dr. P Abdul Jabbar	School of Computer Science	5057/IQAC/2022/MGU Dated 13.05.2022	100000.00
44	Dr. Smijesh N	School of Pure and Applied Physics	5057/IQAC/2022/MGU Dated 13.05.2022	100000.00
45	Dr. Saritha A.C.	School of Pure and Applied Physics	8993/IQAC/2022/MGU Dated 31.08.2022	100000.00
46	Dr. Subila K.B	School of Chemical Science	8993/IQAC/2022/MGU Dated 31.08.2022	100000.00
47	Dr. Nisha Vellappan Nair	School of Gandhian Thought and Development Studies	1673/IQAC/2023/MGU Dated 13.02.2023	50000.00
48	Dr. Anjana S.S.	School of Chemical Science	1673/IQAC/2023/MGU Dated 13.02.2023	100000.00
TOTAL AMOUNT SPEND AS SEED MONEY GRAND TILL DATE				3050000.00

നവാൽസ്

നവാൽസിൽ അധ്യാപകർക്ക് സീഡ് മണി നൽകുന്ന പതിവില്ല.

ശ്രീ ശങ്കരാചാര്യ സംസ്കൃത സർവകലാശാല

സർവകലാശാല ബജറ്റിൽ സീഡ് മണി തുക വകയിരുത്തിയിട്ടുണ്ടെങ്കിലും 2020-21 സാമ്പത്തിക വർഷം മുതൽ നാളിതുവരെ പ്രോജക്ടുകൾ ലഭ്യമാകാത്തതുകൊണ്ട് തുക അനുവദിച്ചിരുന്നില്ല.

തുഞ്ചത്തെഴുത്തച്ഛൻ മലയാള സർവകലാശാല

മലയാളസർവകലാശാലയിൽ അധ്യാപകരുടെ മൈനർ റിസർച്ച് പ്രോജക്ടുകൾക്ക് സീഡ് മണി എന്ന പേരിൽ ധനസഹായം അനുവദിക്കാറില്ല.


എസ്.പി.ജി.ജി.എസ്

കേരള സർവകലാശാലSTARTUP GRANT FOR TEACHERS- ITEM NO 51 OF BUDGET SPEECH 2020-21FINANCIAL YEAR 2020-21

Sl.No.	Name and Designation of the Investigator	Title of the Project	Amount in Rupees
1	Dr. Chithra M.R Assistant Professor Department of Mathematics	Study on Security and Secure domination of some networks	1,00,000/-
2	Dr. Dilip Kumar Assistant Professor Department of Mathematics	Mathematical modeling and their applications with special emphasis to study the spread of COVID-19	1,60,000/-
3	Dr. Krishna Kumar G Assistant Professor Department of Mathematics	A study on generalized spectrum of operators	1,00,000/-
4	Dr. Sam Solomon Professor Department of Optoelectronics	Synthesis, characterization and computational study of functional nanomaterials	2,60,000/-
5	Dr. Deepa K.G Assistant Professor Department of Physics	Setting-up lab facility for the development of air-stable lead-free halide double perovskite materials	3,65,000/-
6	Dr. R. Jayakrishnan Associate Professor Department of Physics	Development of Photovoltaic Research laboratory	3,80,000/-
7	Dr. Janeesh P.A Assistant Professor Department of Biochemistry	Development of nanomedicine, lifestyle disease, metabolomics and infectious disease research laboratory	4,00,000/-
8	Dr. Viji Vijayan Assistant Professor Department of Biochemistry	Investigations on the effects of Gut Metabolites on Brain-Gut axis in Alzheimer's Disease	3,00,000/-
9	Dr. A. Riyaz Assistant Professor Department of Statistics	On certain mixtures of the zero-inflated logarithmic series distributions and its applications	1,00,000/-
10	Dr. Dhanil Dev S.G Assistant Professor Department of Geology	Geochemical Investigation of the Mafic and Ultramafic rocks of Mercara shear zone Kasaragod, South India	2,70,000/-
11	Dr. Sujith Babu Assistant Professor Department of Psychology	A Centre for Healthy Use of Technology and Internet Clinic (CHUTI-Clinic)	1,93,000/-

12	Dr. I. Hubert Joe Associate Professor Department of Physics	Establishing a Quantum Chemical computational lab at the Department of Physics	3,60,000/-
TOTAL		Rs. 29,88,000/- (Rupees Twenty Nine Lakh Eighty Eight Thousand only)	

FINANCIAL YEAR 2021-22- UNUTILIZED FUND- BUDGET EARMARKED

AMOUNT(Budget Speech Item no:51)

U.O no: 30389/PLANNING A/2020/UOK dtd 28.10.2021

Sl. No.	Name of Investigator	Project Title	Amount
1.	Dr. Mithun Sukumaran Assistant Professor Department of Aquatic Biology and Fisheries	Growth Performance of Tiger Shrimp, Penaeus monodon cultured in artificial biofloc	Rs. 75,000/-
2.	Dr. Bushra Beegom R K Hon. Director Centre for Women's Studies	Development of Gender Inclusive Cities- Lessons from urban centres in Kerala	Rs. 1,00,000/-
3.	Dr. B. Mini Devi Assistant Professor and head Department of Library and Information Science	Disaster preparedness in University Libraries in Kerala- An investigative study	Rs. 70,000/-
4.	Dr. M A Siddeek Assistant Professor Department of Malayalam	കാലാവസ്ഥാ വ്യതിയാനവും മലയാള സാഹിത്യഭാവനയും	Rs. 1,00,000/-
5.	Dr. Pramod Kiran R B Assistant Professor Department of Aquatic Biology and Fisheries	Pandemic resilience through urban aquaculture: biological, social and economic sustainability in Trivandrum District	Rs. 1,00,000/-
6.	Dr. Leena B L Assistant Professor Department of Hindi	Ontological classification of multiword expressions (MWEs) in Hindi Language	Rs. 50,000/-
7.	Dr. Sajin Kumar K S Assistant Professor Department of Geology	Flood modelling of fluvial outflow channels in Jovis Tholus region, Mars and plausible co-relation with terrestrial scenarios	Rs. 1,05,000/-
8.	Divya C Senan Assistant Professor Department of Education	Enhancing Energy Literacy among Self-Help Groups through effective resilient energy education programmes	Rs. 1,05,000/-
9.	Dr. Biju A V Assistant Professor Department of Commerce	Climate FinTech- sustainable climate finance model for managing climate change in Kerala	Rs. 1,00,000/-
10.	Dr. Sudhi S Vijayan Assistant Professor Department of Library and Information Science	Disaster Preparedness and Mitigation- the role of Panchayat Libraries in Kerala	Rs. 1,00,000/-
11.	Siddik R Hon. Director Inter University Centre for	The financing of Development Experience in Kerala- Political economy of education, spending in the	Rs. 1,07,000/-

	Alternative Economics	post KFR act.	
	TOTAL	Rs. 10,12,000/- (Rupees Ten Lakh Twelve Thousand only)	

FINANCIAL YEAR 2021-22- ADDITIONAL AMOUNT- RS. 15 LAKHS-Budget Speech Item
no:51 2020-21

U.O no: 30389/PLANNING A/2020/UOK dtd 03.11.2021 & 19.11.2021

Sl. No.	Name of Investigator	Project Title	Amount
1.	Dr Sheeja S R Professor Department of Economics	COVID 19 amidst Extreme Vulnerability: Unveiling the Challenges Experienced by coastal Fisher women in Kerala	Rs. 1,00,000/-
2.	Dr Subodh G Assistant Professor Department of Physics	Development of Boron Nitride Quantum Dots for Latent Fingerprint Identification	Rs. 1,00,000/-
3.	Dr Josukutty C A Associate Professor and Director Survey Research Centre Department of Political Science	The New Geopolitics in the Indo Pacific: Impact on India's National Security	Rs. 1,00,000/-
4.	Dr Rajesh S V & Dr. Abhayan G S Assistant Professors Department of Archaeology	Documentation of Indus Age Ceramics from Western India	Rs. 1,00,000/-
5.	Dr Biju T Associate professor Department of Commerce	Behavioral Economics in Local Communities – Prospects for Developmental Researches	Rs. 1,00,000/-
6.	Dr Sreejith Parameswara Panicker (Dr. P. Sreejith) Assistant Professor Department of Zoology	Production of Collagen from fish integument and evaluating the efficiency for wound healing applications	Rs. 1,00,000/-
7.	Dr Shaji A Professor School of Distance Education	Religion, Ideology and Politics : Reimagining the Progressive Transformation of Kerala	Rs. 1,00,000/-
8.	Prof V Anitha Professor and Head Department of Economics	Economic Implications of Human Animal Conflict in Kerala	Rs. 1,00,000/-
9.	Dr. Jayakumar M S Assistant Professor Department of Sociology	Migration, development and disparities: comparison of emigrant and non emigrant households	Rs. 1,00,000/-
10.	Dr. Girish Kumar R Professor	University Innovation Systems in Kerala Assessing Academia-Industry	Rs. 1,00,000/-

	Department of Political Science	Linkage & Student Startups	
11.	Dr Sajna A Assistant Professor Department of History	Becoming Visible : The History of Childhood in Kerala – A Reading	Rs. 1,00,000/-
12.	Dr. Sheeba M Kurian Assistant Professor Department of Malayalam	ശാരീരിക ഭിന്നശേഷിയുടെ രൂപനിർമ്മിതി : മലയാളത്തിലെ സാംസ്കാരിക പ്രതിനിധാനങ്ങളുടെ വിശകലനം	Rs. 1,00,000/-
13.	Dr. Salom Gnana Thanga Professor Department of Environmental Sciences	Development of rhizosphere based system bioaugmented with sulfate reducing bacteria for treatment of sulphonated azo dyes	Rs. 1,00,000/-
14.	Dr. Saja K Assistant Professor Department of Biotechnology	Regulation of a disintegrating and metalloprotenase with Thrombospondin motifs-4 (ADAMTS-4): Role of dietary oil	Rs. 1,00,000/-
15.	Dr Sameer Babu Assistant Professor Department of Education	A study of aggressive behavior, social withdrawal and self-esteem in relation to video game addiction among early adolescents in the new formal	Rs. 1,00,000/-
TOTAL		Rs. 15,00,000/- (Rupees Fifteen Lakh only)	

STARTUP GRANT FOR RESEARCH GUIDES- Budget Speech Item no: 115 of 2021-22

U.O no:6431/2021/UOK dated 19.11.2021

Sl. No.	Name and Designation of Principal Investigator	Title of the Project	Amount
1.	Dr. Viji Vijayan Assistant Professor Department of Biochemistry	Serum Bone Markers for Psychotic Disorders and Development of a Diagnostic Kit for Early Detection of Schizophrenia	Rs. 3,70,000/-
2.	Dr. Deepa K G Assistant Professor Department of Physics	FLEXIBLE SMART FILM for Converting Normal Glass to Sustainable and Energy Efficient Electrochromic Glass	Rs. 3,80,000/-
3.	Dr. Janeesh P.A Assistant Professor Department of Biochemistry	Highly sensitive Nanobiosensor for sudden Heart failure Diagnosis	Rs. 3,70,000/-
4.	Dr. Shiburaj S Professor Department of Botany	Investigations on the synergic effects of 'Fukugicide' with clinically important antibiotics and exploration its Anti- infective potential against	Rs. 3,30,000/-

		other bacterial pathogens	
5.	Dr. Prakasan P.M Assistant Professor Department of Library and Information Science	Implementation of Village Knowledge Centres (VKCs) in Kerala towards the achievement of Sustainable Development Goals (SDGs): a feasibility study	Rs. 2,30,000/-
6.	Dr. Sudhi S. Vijayan Assistant Professor Department of Library and Information Science	Kerala University Research Visibility Enhancement and Academic Support Centre (KURVAS): A proposal	Rs. 2,25,000/-
7.	Dr. Sameer Babu M Assistant Professor Department of Education	Designing outcome based instructional design platforms for better techno-pedagogic management of teaching-learning process	: Rs. 2,25,000/-
8.	Dr. Anil Kumar Y Assistant Professor Department of Geology	Geology of the Banded Iron formations of Attappadi Valley, Palakkad district: Implications for the mineralization and early Archean atmosphere	Rs. 3,70,000/-
TOTAL		Rs. 25,00,000/- (Rupees Twenty Five Lakh only)	

Seed Money for New Research- Item no:148 of Budget Speech 2022-23= U.O no: 2447/2023/UOK dated 15.03.2023

Sl.No	Name and Designation of the Principal Investigator	Title of the Project	Total amount
1.	Dr. Janeesh P A, Assistant Professor, Department of Biochemistry	Development of Exosome Encapsulated Tamoxifen for Therapeutics of Triple Negative Breast Cancer	₹2,00,000/- (Rupees Two Lakh only)
1.	Dr. R Jayakrishnan, Director, Astronomical Observatory	Cosmological Signal Processing Lab	₹3,50,000/- (Rupees Three Lakh Fifty Thousand only)
2.	Dr. Deepa K G, Assistant Professor, Department of Physics	Development of Transparent Oxide/crystalline Silicon Heterojunction Solar Cells	₹2,60,000/- (Rupees Two Lakh Sixty Thousand only)
3.	Dr. Viji Vijayan, Assistant Professor, Department of Biochemistry	Functional Validation of S100B protein in glial cells using siRNA : Prospect for neurological disease management	₹2,00,000/- (Rupees Two Lakh only)
4.	Dr. Ani Deepthi ,	Synthesis and Antibacterial Evaluation of	₹2,10,000/- (Rupees

	Assistant Professor, Department of Chemistry	Tryptanthrin Derivatives	Two Lakh Ten Thousand only)
5.	Dr. Santhosh Kumar T K, Assistant Professor, Department of Malayalam	മാറ്റുന്ന മാധ്യമ അതിരുകൾ : ഭാഷയും സംസ്കാരവും	₹1,80,000/- (Rupees One Lakh Eighty Thousand only)
6.	Dr. Suneesh C V, Assistant Professor & Head, Department of Chemistry	Multifunctional Fluorescent Porous Organic Polymers for Energy Storage and Heavy Metal Ion Detection	₹2,10,000/- (Rupees Two Lakh Ten Thousand only)
7.	Dr. Dhanil Dev S G, Assistant Professor, Department of Geology	Contamination of Water Bodies and Soil through Pesticide Usage in Selected Agricultural Areas in Thiruvananthapuram, Kerala	₹1,75,000/- (Rupees One Lakh Seventy Five Thousand only)
8.	Dr. Anilkumar Y, Assistant Professor, Department of Geology	Detailed investigation of Sulphide- bearing Banded Iron Formations of Attappadi Valley, Palakkad District	₹1,75,000/- (Rupees One Lakh Seventy Five Thousand only)
10.	Dr. Biju A V, Assistant Professor, Department of Commerce,	Examining the Factors Determining Issuance of Green or Conventional Bonds in the Indian Capital Market	₹1,85,000/- (Rupees One Lakh Eighty Five Thousand only)
11	Dr. Renu Mohan, UGC Assistant Professor, Department of Biotechnology	Development of Magnetic nanoparticle incorporated hydrogel as a smart drug delivery system	₹1,75,000/- (Rupees One Lakh Seventy Five Thousand only)
12	Dr. Savitha Pillai S, Assistant Professor (UGC FRP) Department of Physics	Development of Multiferroic Materials for Green Electronics	₹1,75,000/- (Rupees One Lakh Seventy Five Thousand only)
TOTAL ----> Rs. 24,95,000/- (Rupees Twenty Four Lakh Ninety Five thousand only)			

കാലിക്കറ്റ് സർവകലാശാല

ക്രമ നം	അധ്യാപകരുടെ പേര്	പ്രോജക്ടിന്റെ പേര്	അനുവദിച്ച തുക	ചെലവഴിച്ച തുക	വാങ്ങിയ ഉപകരണങ്ങൾ
1	ഡോ . അജയ് മോഹൻ എം., ഫിലോസഫി വിഭാഗം	An Inquiry into Davidson's notion of Language	2,40,000	1,93,542	printer - 17,789 Laptop - 55,952
2	ഡോ .അലി നൗഫൽ കെ., അറബിക് വിഭാഗം	Research Theses in Arabic Submitted to the University of Calicut -An	3,00,000	പ്രോജക്ട് കാലാവധി തീരുന്ന മുറയ്ക്ക് മാത്രമേ വിവരം	printer- 24,995 Laptop- 59,078

		Analytical study of the Topics and Methodology adopted by the Research Scholars		ലഭ്യമാകുകയുള്ളൂ	
3	ഡോ.അന ജോസഫ്, ബയോടെക്നോളജി വിഭാഗം	Expression studies of matrix metalloproteinases and their inhibitors in the hyperinsulinemic and diabetic patients: Identifying potential biomarkers for cataract	3,00,000	പ്രൊജക്ട് കാലാവധി തീരുന്ന മുറയ്ക്ക് മാത്രമേ വിവരം ലഭ്യമാകുകയുള്ളൂ	-
4	ഡോ. ഡെറി ഹൊളാഡെ, രസതന്ത്ര വിഭാഗം	Exploring Receptor Applications of Dipyrromethene Derived Supramolecular Hybrids	2,45,000	2,44,976	-
5	ഡോ.സന്തപ് എം. എസ്., സാമ്പത്തിക ശാസ്ത്രം	The Impact of Covid 19 on Food Consumption Pattern Among Rural Households In Kerala	1,45,000	1,45,000	Printer -19,988 Laptop- 47,152
6	ഡോ. പ്രിയലേഖ എൻ .എസ്., റഷ്യൻ ആൻഡ് കമ്പാരറ്റീവ് ലിറ്ററേച്ചർ	COVID - 19: Cultural Response in Kerala	1,55,000	1,55,000	printer - 20,598 Laptop - 54,056
7	ഡോ.രഞ്ജിത്ത് രാജൻ, സംസ്കൃതം വിഭാഗം	DHVANVANTARISAMHITA OF GARUDAPURANA: A STUDY	1,55,000	1,54,417	printer - 20,200 Laptop- 44,217
8	ഡോ. .കൃഷ്ണറാണി എസ്. ഡി., സ്റ്റാറ്റിസ്റ്റിക്സ് വിഭാഗം	Spatio-temporal statistical models and their applications	3,00,000	പ്രൊജക്ട് കാലാവധി തീരുന്ന മുറയ്ക്ക് മാത്രമേ വിവരം ലഭ്യമാകുകയുള്ളൂ	Laptop - 92,675
9	ഡോ .ജിബിൻ വി .കെ., വിദ്യാഭ്യാസ വിഭാഗം	Impact Of Covid- 19 Pandemic On Education Equity, Social Life And Mental Health of Secondary Stage Students In Kerala	2,30,000	2,30,000	laptop- 36,106 printer - 28,498
10	ഡോ .ശ്രീഷ സി. എച്ച്., കോമേഴ്സ് വിഭാഗം	Impact of Merger of SBI and Associates	3,00,000	പ്രൊജക്ട് കാലാവധി തീരുന്ന മുറയ്ക്ക് മാത്രമേ വിവരം ലഭ്യമാകുകയുള്ളൂ	Printer- 33,107
11	ഡോ .ദൃശ്യ കെ., ഭൗതികശാസ്ത്ര വിഭാഗം	Probing the metallicity dependence of the i- process: High resolution	2,37,500	12,37,500	printer- 11,500 Hard disc- 9,794
12	ഡോ. പ്രഭാകരൻ ഹെബ്ബാർ	Concept of freedom in the	2,50,000	2,50,000	-

	ഇല്ലത്തു, ഹിന്ദി ഭാഷ വിഭാഗം	contemporary Hindi Poetry			
13	ഡോ . കെ.പി ദീപ്താ ലത, സസ്യശാസ്ത്ര വിഭാഗം	Studies on the genus Hygrocybe and allied genera (gilled- mushrooms) of Kerala	2,35,000	2,34,949	Laptop – 53,567 printer – 18,389
14	ഡോ . മമ്മമൻ എം.ആർ., ചരിത്ര വിഭാഗം	Revisiting Mattannur Revolt, 1852–2022: Textual Narratives and Social Memories	2,94,000	1,88,439	Laptop – 51,620
15	ഡോ . മനോജ് പ്രവീൺ ജി., വിദ്യാഭ്യാസ വിഭാഗം	Effect of Schema Based Problem Solving on the understanding of problem solving processes in Physics among Prospective Teachers	3,00,000	പ്രൊജക്ട് കാലാവധി തീരുന്ന മുറയ്ക്ക് മാത്രമേ വിവരം ലഭ്യമാകുകയുള്ളൂ	Printer SSD Monitor– 49,900 Tablet computer– 68,800
16	ഡോ.രാജീവ് എസ്. മേനോൻ, രസതന്ത്ര വിഭാഗം	Investigations on the unique transformations of unsaturated sulfones for the rapid construction of antitumor alkaloids and analogues	3,00,000	പ്രൊജക്ട് കാലാവധി തീരുന്ന മുറയ്ക്ക് മാത്രമേ വിവരം ലഭ്യമാകുകയുള്ളൂ	-
17	ഡോ.കെ.വി. പ്രസന്ന, ഫിലോസഫി വിഭാഗം	Women and Philosophy in India: A Study on the Systematic Forms of Exclusion in Academics	2,35,000	1,33,688	Printer–17,790 Laptop–55,952
18	ഡോ.സാജിത് എം.എ., ഇംഗ്ലീഷ് സാഹിത്യം	The Representation of Tourette Syndrome in Select Works	2,75,000	പ്രൊജക്ട് കാലാവധി തീരുന്ന മുറയ്ക്ക് മാത്രമേ വിവരം ലഭ്യമാകുകയുള്ളൂ	Printer–18,350
19	ഡോ.മുനീർ ബാബു എം., സാമ്പത്തിക ശാസ്ത്രം	An Empirical Study of Productivity Change and its Determinants in Manufacturing Sector During Post Reforms Period	1,35,000	1,34,988	Printer–19,988 Laptop–47,152
20	ഡോ. മുനീർ ജി.പി., അറബിക് വിഭാഗം	Tracing translation as a medium of cultural integration: An analytical study of fictions translated from Arabic to Malayalam and Vice Versa	1,80,000	1,24,141	Laptop–49,074

21	ഡോ.നടാഷ പി., കോമേഴ്സ് വിഭാഗം	Stock Market Efficiency of SAARC Nations before and during Covid-19: A Comparison	2,50,000	പ്രൊജക്ട് കാലാവധി തീരുന്ന മുറയ്ക്ക് മാത്രമേ വിവരം ലഭ്യമാകുകയുള്ളൂ	Printer - 33,107
22	ഡോ.പ്രമോദ് സി., സസ്യശാസ്ത്ര വിഭാഗം	Floristic and Ecological Studies on the Kalliad Laterite Plateau of Northern Kerala, South India	2,25,000	2,23,881	Laptop- 49,078 Printer - 14,850
23	ഡോ. രീഷ കാരളളി., വിദ്യാഭ്യാസ വിഭാഗം	Life Skill Education and Training: Development of Activity Package for Children of Special Homes	1,90,000	1,90,000	Lap top -46,934 Printer- 17,278
24	ഡോ. ഷിബി സി., ഹിന്ദി ഭാഷ വിഭാഗം	Origin and development of Hindi in Malabar:- Special reference to Kozhikode and Malappuram districts.	2,05,000	1,92,146	Laptop- 50,000
25	ഡോ.മുബീന ടി., ഗണിതശാസ്ത്ര വിഭാഗം	A study on Homeomorphisms of certain spaces	1,95,000	1,13,630	Laptop-98,850
26	ഡോ. പ്രസാദ് ടി., ഗണിതശാസ്ത്ര വിഭാഗം	Operators in Hilbert space of Holomorphic Functions and spectral theory	2,05,000	1,33,104	Laptop- 98,550
27	ഡോ.നീതുലാൽ വി., സൈക്കോളജി വിഭാഗം	Development and validation of a mental health literacy promotion program for college teachers	1,65,000	1,58,408	Laptop - 58,408
28	ഡോ.റോയ് മോൻ ജോസഫ്, രസതന്ത്ര വിഭാഗം	Supramolecular Systems as a Toolkit for the Sensing of Amino Acids and Peptides	4,73,530	4,73,510	Hot plate with magnetic stirrer +vacuum pump - 59,956
29	ഡോ.ഷിബു ഇ.എസ്., നാനോ സയൻസ് ആൻഡ് ടെക്നോളജി	Photo-Switchable Nanoprobes for Reversible Surface-Enhanced Raman Scattering (SERS)/Tip- Enhanced Raman Scattering (TERS)	3,54,000	3,54,000	Rotary evaporator - 3,54,000
30	ഡോ. ബിനിത എൻ.എൻ., രസതന്ത്ര വിഭാഗം	"Green Fabrication of Layered MoS ₂ /Graphene Hybrid Electrodes for a Wide Potential Window Flexible Supercapacitors"	3,00,000	പ്രൊജക്ട് കാലാവധി തീരുന്ന മുറയ്ക്ക് മാത്രമേ വിവരം ലഭ്യമാകുകയുള്ളൂ	Magnetic stirrer - 5,192 Bath sonicator- 34,810 Battery testing equipment -

					1,99,997
31	ഡോ.ഷംല കെ. എം., ഇംഗ്ലീഷ് സാഹിത്യം	"The Aesthetics of Protest: A Study of Shirin Neshat's Visual Art",	2,75,000	പ്രൊജക്ട് കാലാവധി തീരുന്ന മുറയ്ക്ക് മാത്രമേ വിവരം ലഭ്യമാകുകയുള്ളൂ	Printer- 21,919 Laptop - 71,840
32	ഡോ. സതീഷ് പി., ചരിത്ര വിഭാഗം	A Social History of Indigenous and Western Medicine in Colonial Kerala	2,05,000	2,05,000	
33	ഡോ.റജുല ഹെലൻ കെ .പി., സാമ്പത്തിക ശാസ്ത്രം	Accessibility of Maternal Health Care Services and Its Impact Among Tribal Mothers During Covid-19 Pandemic in Palakkad District, Kerala	1,65,000	1,65,000	Laptop -47,152 Printer- 19,988
34	ഡോ. സുരഭി എം.എസ്., സ്കൂൾ ഓഫ് ഡ്രാമ	"Introduce advanced makeup techniques to students with the help of different makeup institutions"	2,25,000	2,25,000	Laptop- 49,074 Hair drier - 4,375
35	ഡോ. മഞ്ജു സി. നായർ, സസ്യശാസ്ത്ര വിഭാഗം	Bryophyte Diversity of Kuttiady Churam in the Western Ghats of Kozhikode District, Kerala	3,00,000	പ്രൊജക്ട് കാലാവധി തീരുന്ന മുറയ്ക്ക് മാത്രമേ വിവരം ലഭ്യമാകുകയുള്ളൂ	Microscope - 1,94,700
36	ഡോ.സുജ ടി.ഡി., രസതന്ത്ര വിഭാഗം	Design and Synthesis of Truncated Analogues of Antitumor Natural Products Aimed at the Development of New and Improved Anticancer Therapeutics	4,65,000	4,61,607	Vacuum pump - 30,450 Hot plate - 24,450
37	ഡോ.മഹേഷ് എസ്, ഹിന്ദി ഭാഷ വിഭാഗം	समकालीन हिन्दी कविता में पारिस्थि ति क मनोविज्ञानः एक अध्ययन	1,60,000	1,17,739	Laptop- 50,000
38	ഡോ. എൻ.എ ശിഹാബ്, സംസ്കൃതം വിഭാഗം	Sukasandesakavyam of Lakshmidasa commentary of Vanchimaharaja	1,65,000	1,65,000	Laptop- 51,783 Printer-17,268
39	ഡോ.റഷ്മിദ എ.പി, സൈക്കോളജി വിഭാഗം	Identifying and addressing the unmet needs of students of higher education: A youth participatory action research	1,75,000	1,75,000	Laptop- 56,016

40	ഡോ.ദിലീപ് കുമാർ എം., സ്റ്റാറ്റിസ്റ്റിക്സ് വിഭാഗം	Quantile Based Reliability Models and their Applications	1,85,000	1,54,111	Hard disc- 5,281 Pendrive- 1680 Printer- 24,499
41	ഡോ. ശ്രീകല, റഷ്യൻ ആൻഡ് കമ്പാരറ്റീവ് ലിറ്ററേച്ചർ	"Gandhi and Tolstoy: Their message to Humanity "	1,45,000	1,40,966	Laptop- 59,383
42	ഡോ.ശ്യാമിലി സി., ലൈബ്രറി ഇൻഫർമേഷൻ സയൻസ്	Inclusion through including Indigenous Language: A study of Language Issue in Primary Education and Role of Libraries in reducing the Barrier among the Tribes of Wayanad, Kerala"	1,85,000	1,85,000	Laptop- 56,566 Printer- 8,434
43	ഡോ. അനീഷ് ഇ. എം., ജന്തുശാസ്ത്ര വിഭാഗം	Uncovering the species diversity and evolutionary perspectives of the synanthropic mites in Wayanad district of Kerala, India	2,90,000	2,83,111	Stereomicroscope- 41,500 Autoclave- 24,000 Micropipette- 21,060 Electronic weighing machine - 19,470 Incubator - 4500
44	ഡോ. ബിനു ആർ., ജന്തുശാസ്ത്ര വിഭാഗം	Spatial Learning, reference & recognition memory in adult Zebrafish	2,90,000	2,89,683	Autoclave -24,300 Refrigerator- 22,183 Digital camera - 2,17,200
45	ഡോ. സിന്ധു കെ., ജന്തുശാസ്ത്ര വിഭാഗം	Mechanical force mediated differentiation therapy of breast cancer cells	2,90,000	2,89,314	Printer - 15,757 Refrigerator- 29,302
46	ഡോ.സിന്ധു എസ്., നാനോ സയൻസ് ആൻഡ് ടെക്നോളജി	"The Development of Multifunctional Nanostructured Electrode Materials and the Assembly of Electrochromic Supercapacitors"	3,00,000	പ്രൊജക്ട് കാലാവധി തീരുന്ന മുറയ്ക്ക് മാത്രമേ വിവരം ലഭ്യമാകുകയുള്ളൂ	Centrifuge - 24,949 Magnetic stirrer -23,780 Ultrasonic bath sonicator- 24,708
47	ഡോ. രശ്മി എൽ., സസ്യശാസ്ത്ര വിഭാഗം	Nucleotide diversity analysis of drought responsive genes in banana	2,30,000	2,29,898	Laptop - 54,673 Printer-18,511
48	സന്ദീപ് കുമാർ, സ്കൂൾ ഓഫ് ഡ്രാമ	Remapping Theatre to make an inclusive and intersectional space in	2,03,000	2,03,000	-

		campuses for LGBTIQA+ students.			
49	ഡോ. ഫസലുറഹ്മാൻ കെ., രസതന്ത്ര വിഭാഗം	Sustainable Fuels from the Sun and Ambient Air	2,59,600	2,59,600	Xe arc light source with optics -2,59,600
50	ഡോ. എൽ. ദിവ്യ, ജന്തുശാസ്ത്ര വിഭാഗം	Understanding polyphenism through a transcriptomic approach in social hymenopterans.	3,00,000	പ്രൊജക്ട് കാലാവധി തീരുന്ന മുറയ്ക്ക് മാത്രമേ വിവരം ലഭ്യമാകുകയുള്ളൂ	Deep freezer - 24,994
51	ഡോ .വിജിഷ കെ രാജൻ, നാനോ സയൻസ് ആൻഡ് ടെക്നോളജി	Molecular Modeling and Screening of potential Metal- Polyphenol based Frameworks (MPFs) for Gas Storage -Separation -Removal and Catalytic applications - A Computational approach	2,60,000	2,57,179	High performance computer- 2,35,004 Printer-22,175
52	ഡോ.ദിവ്യ കെ., റഷ്യൻ ആൻഡ് കംപാരറ്റീവ് ലിറ്ററേച്ചർ	"Archiving the Literature and Cultural Events of Tribal Communities in Wayanad and Malappuram"	1,60,000	1,59,670	Laptop-67,500
53	ഡോ.അഷിത എം ചരിത്ര വിഭാഗം	"Rituals, Globalization and Interculturality: A Study of the Practice and Performance of Kalaripayattu in India"	1,72,000	1,72,000	Desktop computer-53,909 Printer-9,600
54	Dr. Nuaiman .K.A , ജേർണലിസം ആൻഡ് മാസ്സ് കമ്മ്യൂണിക്കേഷൻ	Writing Cultures in the Malabar Coast: The Library of Dar al Ifta al Azhariyya, Chaliyam	1,95,000	-	-
55	ഡോ.സാവിത്രി, ഫിലോസഫി വിഭാഗം	A Study based on Abhidhamma Pitaka	2,55,000	2,55,000	Laptop-55,952 Printer-17,790
56	ഡോ.വിപിൻ എം., സ്കൂൾ ഓഫ് ഡ്രാമ	Tracing Psychological preparation in "Thirayattam" Performer - A study on performative work and the work of the performer'sinner life"	2,50,000	2,50,000	-
57	ഡോ.റോബിൻ ഇ.ജെ., ഫിലോസഫി വിഭാഗം	The Point of Writing: Possibility of Phenomenological Psychopathology and Basheer's Writings	2,55,000	1,27,262	Printer- 15,598
58	ഡോ.മഞ്ജു എം.പി.,	keraleeyamrigachi	2,03,269	2,03,569	Laptop-64,431

	മലയാളം വിഭാഗം	kithsaparambhary am:			
59	ഡോ.അപർണ ടി., മലയാളം വിഭാഗം	ജീവിതവും സംസ്കാരവും : കളനാടി വിഭാഗക്കാരെ മുൻനിർത്തിയുള്ള പഠനം	2,05,000	2,03,000	-
60	ഡോ.ഷഹനാ വി.ഡി., മലയാളം വിഭാഗം	ചലച്ചിത്രപഠനം നവീനസാധ്യതകളും പരിമിതികളും	1,50,000	1,50,000	Laptop- 40,990 Printer - 14,900
61	ഡോ. സുഹൈൽ കെ. പി., ഭൗതികശാസ്ത്ര വിഭാഗം	Microswimmers in Anisotropic Liquid	2,60,000	2,59,884	Micropipette - 34,500 Refrigerator- 15,498 Hot plate and magnetic stirrer - 5,900 Laptop-64,098
62	ഡോ.ഗായത്രി ഓ.കെ., സംസ്കൃതം വിഭാഗം	Samkhyasara of Vijnanabhiksu an analytical study.	1,85,000	1,85,000	Laptop-53,990 Printer-21,000
63	ഡോ. ലജിഷ് വി.എൽ., കമ്പ്യൂട്ടർ സയൻസ്	Studies on Deep Learning Models for Malayalam Fake News Detection on Social Media	2,99,000	പ്രൊജക്ട് കാലാവധി തീരുന്ന മുറയ്ക്ക് മാത്രമേ വിവരം ലഭ്യമാകുകയുള്ളൂ	Laptop- 2,56,000

കുസാറ്റ്

Department	Name of the Faculty	Title of the Project	List of Equipments/Computers	Cost of Equipment/Computer
Purchased from SMNRI Grant 20-21				
Department of Instrumentation	Pankaj Sagar	Characterization of dielectric properties of insulating materials down to Liquid Helium temperatures for sensor applications.	1 230L, Liquid Nitrogen Dewar	3,00,000
Department of Marine Geology and Geophysics	Dr Amaldev T	Growth, structure and evolution of Coorg-Nilgiri blocks and associated suture zones, southern India; an integrated approach using geological and geophysical data	1. Binocular Polarizing Microscope - B - 150 P - BRPL	74812
			2. Rocksmis FE04b Brunton Compass	3000
			3. Rocksmis MHKITWB Rocks and Minerals Test Kit with Mohs Hardness Box	1900
			4. Erstwing Sledge Hammer	2580
			5. Prepared Polished Ore Mounts	13110
			6. Bluetooth Headset	1299
			7. HD Webcam	1799
			8. Cpu Fan 15 Ay	1500
Department of Atmospheric Sciences	Dr.Sreekala P P	A Study on the new trends and interannual variability of southwest monsoon rainfall over newly identified homogenous rainfall regions of India	1. Dell OptiPlex 5490 All-in-One XCTO (DESKTOP)	100008
Department of Physics	Dr. Prasad V V	Extreme value statistics in granular matter	1 Lenovo Tower workstation for high performace computing with power and memory backup	200000
Department of Computer Applications	Dr. Rafidha Rehiman K A	Automated Framework for Active Ransomware Detection to Detract from Encryption	1 Dell Precision 3650 Tower workstation with Intel Core i9 ,32 GB RAM,NVIDIA Quadro P2000 with 5 GB GDDR5X memory	198600
Department of Computer Applications	Dr. Vishnukumar S	Detection and Analysis of Tuberculosis Bascilli in Sputum Smear Images using Machine Learning Techniques	Dell Precision 3650 Tower workstation with Intel Core i9 ,32 GB RAM,NVIDIA Quadro P2000 with 5 GB GDDR5X memory	198600
Department of Computer Applications	Dr. Vinod P	A Deep learning - based Malware Detection Framework using Multimodal Features	Dell Precision 3650 Tower workstation with Intel Core i9 ,32 GB RAM,NVIDIA Quadro P2000 with 5 GB GDDR5X memory	198600
Department of Biotechnology	Dr Sneha Yogindran	Exploring the molecular regulation of antiviral silencing during CMD in Cassava	1. -20 degree Deep freezer	19950
			2. Micropipette 0.2-2 ul	11210
			3 Micropipette 2-20 ul	11210

			4 Micropipette 20-200 ul	11210
Department of Biotechnology	Dr. Rajesh PP	Methanogenesis Inhibition strategies in microbial fuel cells	1. Serological water bath	13923
			2. Digital conductivity meter	14995
			3. Centrifuge with microprocessor	13348
			4. Refrigerator	14500
			5. Electrophoresis unit	14836
			6. pH meter	11550
			7. Sonicator	14500
Department of Marine Gerology and Geophysics	Dr. Naveen P.U.	Tectonics and Crustal Structure of the Southern Granulite Terrain (SGT), South India Using Potential Field Methods	1. Adaptor Dell 65 W Power Cable	1800
			2. Sandisk 1TB SSD	10499
			3. Seagate SSD Barracuda 960 GB	7750
			4. Dell Wireless Multi-Device Keyboard and Mouse	4999
Centre for Science in Society	Dr Shaiju P	'Well Water Quality and the Effectiveness of Well Recharging of a Midland Village of Kerala - Special Reference to Thuruthikkara, the First Green Village of Kerala'	1. Multi pH/ Con/TDS/ Salt Meter	28779
			2. Multi Parameter Pocket Tester Eutech	24045
Department of Applied Chemistry	Dr.Kala .R	Nanostructured Materials based Photo Electrochemical Sensor for the detection of Biomarker	1 Refrigerator	13610
			2 UV light	590
			3 UV Cuvette	1323
			4 Pipette	9461
			5 Cuvette (FL)	4883
			6 Ag/Agcl Electrode	5775
			7 Soxhlet and Condenser	2066
			8 Column	673
			9 Stirrer	15458
			10 Condenser	2151
			11 Stirrer	15458
			12 Condensor	2151
			13 Connector Main tube	434
			14 IR Lamp and Gloves	2096
			15 Long Wave-UV	590
			16 Reference Electrode	6490
			17 Clamp	1888
			18 UV Cuvette and Pipette	14986
			19 TLC Plate, Capillary tube, Centrifuge Tube	635
			1. Refrigerator	14000

Department of Applied Chemistry	Dr. Sindhu Mathai	Novel heterogeneous palladium catalyst based on sterically hindered N- heterocyclic carbenes for coupling reactions: a green synthetic methodology.	2. Heating mantle with stirrer	34430
			3. Vacuum Pump D.50	39375
			4. Melting point apparatus with capillary and glass thermometer	3675
			5. UV Inspection Cabinet	6904
			6. Electronic Weighing balance	9051
			7. Magnetic Stirrer 1 L	8024
			8. Thermofinn pipette 1-10 microliter	10974
			9. Thermofinn pipette 10-100 microliter	10974
			10. 2-MLH Remi Magnetic Stirrer with hot plate	10856
			11. Electric heat gun 300-500	1737
			1. HP Workstation	77900
Centre for Science in Society (C-SiS)	Dr. Abesh Reghuvaran	Increasing Awareness about Intellectual property rights among graduate students & school teachers in kerala to help build a knowledge economy	2. Remarkable Bundle Paper Table top	44899
Department of Biotechnology	Dr. Sreekanth PM	Whole genome resequencing of native true mangrove tree-Avocenia marina in ecogeographic regions of Kerala coast implications in conservation	1. Vertical maxi gel system	27513
			2. Mechanical micropipette 20-200	7080
			3. Mechanical micropipette 100-1000	7080
			4. Mini centrifuge with blue lid	14160
			5. Midi subprep gel system	19917
			6. Mini model powerpack	7813
Department of Biotechnology	Dr. Bhavya BC	Early diagnosis and effective prognosis of pulmonary fibrosis	1. Refrigerator	14900
Department of Physics	Riju C Issac	A versatile laser-plasma optical probe system	1 Nd:YAG Laser Line mirror	31,752.00
			2. 4X Nikon Achromatic Finite Conjugate Objective	6,350.40
			3. TS-120 Translation stage	12,069.75
			4. Plano-convex lens	6,378.75
			5. Kinematic mirror mount	7,449.75
			6. Manual Polarizer rotator	2,688.00
			7. Absorptive ND filters	9,187.50
			8. Laser Safety Goggles	14,910.00
			9. Glass Cuvette	5,040.00
			10. Quartz zero-order waveplate	25,700.40
			11. Laser beam expander	25,311.00
			12. Femtosecond Laser mirrors	54,044.00
			13. Extension Cord	1,796.00

Purchased from SMNRI Grant 21-22				
Department of Chemical Oceanography	Dr. Jorphin Joseph	Design and optimisation of polyimide nanofiltration membranes for desalination and water purification	1. Vaccum Oven(KEMI)	45867
			2. Hotplate magnetic stirrer	39855
			3. Motorlass magnetic stirrer	13972
Department of Applied Chemistry	Dr. Shandev P. P.	BOPHY Based Materials for Organic Photovoltaic Applications	1 High Vaccum Pump for Rotary Evaporator	1,97,060
Department of Applied Chemistry	Dr. Manoj E.	Structural and biological investigations of transition metal complexes of Schiff base ligands bearing heterocyclic systems’	Autoclave 100 ml(2)	14175
			Teflon beaker with lid 100ml (2)	4095
			Microscope with Additional polarising lense	7140
			Digital conductivity meter	13650
			Thermofinn pipette	9324
			Thermofinn pipette	9324
			Digital pH meter with electrode	11550
			Melting point apparatus	6825
			IR lamp	1365
Department of Marine Biology, Microbiology and Biochemistry	Dr. Lathika Cicily Thomas	Ecophysiology and bloom dynamics of potentially toxic cyanobacteria of the genus Microcystis from the aquatic ecosystems of Kerala	1 Mini Submarine Electrophoresis unit	33,783
			2 Electrophoresis power supply unit	55,505
Purchased from SMNRI Grant 22-23				
Department of Physics	Dr. Vineeth Mohanan P	Development of Ferromagnet-Antiferromaget Hybrid Spintronic Devices	1 Eletromagnet	96052
			2 Bipolar magnet power supply	94000
			3 GPIB to USB adapter	72343
Department of Applied Chemistry	Dr. Manoj E.	Structural and biological investigations of transition metal complexes of Schiff base ligands bearing heterocyclic systems’	Digital ultrasonic cleaner and test tubes (30)	13055
			1-MLH Remi magnetic stirrer with hot plate	9912
			Programmable Smart IoT monitoring system for Hydroponics	9800
			Analog Industrial pH sensor	7500
			Custom Developed EC Sensor	4000
			Temperature Sensor	1200

Department of Computer Applications	Dr Deepika M P	Ufarm-Cloud and IoT based system for Agriculture.	Water Temperature Sensor	1200
			NFT Channel	3200
			Smart IoT integration Controller	9500
			IoT enabled Tablet	24000
			EC Meter	1700
			SMD Tester	2500
			Multimeter	350
			Stripper,Cutter	120
			PCB Wave Soldering Unit	9070
			Controller Casting	1200
International School of Photonics	Dr. Praveen C. S.	Machine Learning Assisted Materials Discovery for meeting Global energy Demands	Workstation with M2Max Chip	335420
			4K Smart monitor	33975
			Webcam for workstation	8800
International School of Photonics	Dr. Mohamed Ameen	Design and Optimization of tunable magntic dipolar nano antennas for magnetic field enhanced spectroscopy-Theory and Simulation	Inteli9-13900K workstation	223256
			Network assisted Storage	90010
			HP Laserject Printer	21864
			Acer and HP UHD Monitor	36734

സീഡ് മണി പ്രൊജക്റ്റുകൾ അനുവദിച്ചുകൊണ്ട്
കസാറ്റ് പുറത്തിറക്കിയ ഉത്തരവുകൾ

COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY

(Abstract)

State Plan Grant (2020-21) - Seed Money for New Research Initiatives (SMNRI) - Proposals approved - Release of 1st instalment of advance- Sanctioned - Orders issued.

PLANNING AND DEVELOPMENT DIVISION

No.CUSAT/PL(UGC).A1/1112/2021

Dated,KOCHI-22,09.03.2021

Read:-1. Circular No. CUSAT/PL(UGC).A1/3530/2019 dated 25.11.2020 & 03.02.2021

2. U.O No. CUSAT/PL(UGC).A1/756/2021 dated 19.02.2021

3. Circular Audit A/SO/2012 dated 11.09.2012

4. U O No. Ad.G3/2015/Go dated 15.05.2012

ORDER

Under the State Plan Grant for the University for the financial year 2020-21, an amount of ₹40.00 Lakhs has been allotted under the scheme "Seed Money for New Research Initiatives (SMNRI)". Proposals in this regard were called for in the university vide circular read as (1) above, for which 41 newly recruited faculty members from various Departments/Schools/Centres of the University submitted their proposals.

An expert committee was constituted vide UO read at (2) above, for scrutinizing the proposals received. Presentation of the project proposals submitted were made by the respective faculty member before the expert committee on 24th and 25th of February, 2021.

Considering the recommendations of the evaluation committee, the Vice-Chancellor has accorded sanction for approval of the forty projects presented and the budget allocation for the same as shown in **Appendix**, towards the scheme "Seed Money for New Research Initiatives", whereby a total allocation of ₹72.10 lakhs has been made, of which ₹40.00 lakhs shall be distributed as the 1st installment during the financial year 2020-21. The respective faculty shall draw the amount shown in the last column of the Appendix as advance, towards the project during this financial year(2020-21) itself.

Sanction has also been accorded by the Vice-Chancellor for the compliance of the following conditions in implementing the projects;

1. The SMNRI project shall be in project mode and the faculty concerned will be the Principal Investigator of the Project, who shall draw the advance sanctioned and shall settle the same not later than the sanctioned period of their project, without incurring any penal interest in this regard.
2. All items (Equipment, Books & Journals etc.) purchased using funds under this scheme have to be handed over to the respective Department/School/Centre, on

completion of the project, and the same shall be entered in the stock register of the Department/School/Centre. Attestation of the stock certificate by the concerned Head/Director of the Department/ School/Centre shall be done in the concerned voucher while submitting the adjustment bill.

3. Purchase of laptops/computers are not permitted under the project. Instead, the Principal Investigators may make use of the same available at their respective Departments/Schools/Centre.
4. The concerned Principal Investigators are to ensure that expenditure is incurred component-wise, as approved.
5. Separate bank account has to be opened for maintaining the advance drawn, and the interest accrued (if any), has to be refunded to CUF, before settling the advance.
6. Project progress presentations shall be made at regular intervals to monitor the progress of the project being implemented and the utilization of the funds sanctioned.

The selected faculties have to strictly follow all the rules prevailing in the University in the implementation of the schemes and are directed to complete the entire procedures within the project period, as stipulated.

The respective faculty shall settle the advance drawn, after drawing the full amount in the subsequent financial year/s by using a single adjustment bill, with proper bills and vouchers. The drawal and adjustment of advance shall strictly be made by observing the rules laid down in the UO's read at (3) & (4) above.

The concerned Principal Investigator should ensure that bills submitted in this regard, meeting the expenditure from the Head of Account "**1-98-0-U-1-017 Research Seed Money for young teachers**" are routed through the Planning & Development division for counter signature and for effective monitoring of fund utilization. The selected faculties have to submit the simple receipt within a week, for drawing the first installment of advance.

Orders are therefore issued accordingly.

Dr Ansar M S *
PLANNING AND DEVELOPMENT
OFFICER

To:

1. The Faculties concerned - through the Head of the Department
2. The Head / Director of the - Department / School /Centre's concerned
2. PS to Vice-Chancellor / PS to Pro-Vice-Chancellor / PA to Registrar / PA to Finance Officer
3. The Joint Director , Kerala State Audit Department

4. Hon. Director, IQAC / Statistical Officer
5. joint Registrar (Academic/Admn . II)
6. Audit D / Accounts I / IA&I / Finance / Admn. D Sections / Cash / DEAS Cell
7. File Copy / Office Copy

* This is a computer generated document. Hence no signature is required.

APPENDIX

Sl. No.	Name, Designation & Department	Project description	Proposed Budget (Rs.)	Amount Proposed this year (in Rs.) (2020-21)										
1	Dr. Sindhu Mathai Assistant Professor Department of Applied Chemistry	<u>Title</u> Novel Heterogeneous palladium catalysts based on sterically hindered N-heterocyclic carbenes for coupling reactions : A green synthetic methodology <u>Duration</u> : 2 Years	<table><tr><th>Particulars</th><th>Amount</th></tr><tr><td>Consumables</td><td>1,00,000</td></tr><tr><td>Equipment</td><td>1,50,000</td></tr><tr><td>Contingency</td><td>25,000</td></tr><tr><td>Total</td><td>2,75,000</td></tr></table>	Particulars	Amount	Consumables	1,00,000	Equipment	1,50,000	Contingency	25,000	Total	2,75,000	1,50,000
Particulars	Amount													
Consumables	1,00,000													
Equipment	1,50,000													
Contingency	25,000													
Total	2,75,000													
2	Dr. Manoj E Assistant Professor Department of Applied Chemistry	<u>Title</u> Structural and biological investigations of transition metal complexes of Schiff based ligands bearing heterocyclic systems. <u>Duration</u> : 2 Years	<table><tr><th>Particulars</th><th>Amount</th></tr><tr><td>Consumables</td><td>1,50,000</td></tr><tr><td>Equipment</td><td>1,00,000</td></tr><tr><td>Contingency</td><td>25,000</td></tr><tr><td>Total</td><td>2,75,000</td></tr></table>	Particulars	Amount	Consumables	1,50,000	Equipment	1,00,000	Contingency	25,000	Total	2,75,000	1,00,000
Particulars	Amount													
Consumables	1,50,000													
Equipment	1,00,000													
Contingency	25,000													
Total	2,75,000													
3	Dr. Kala R Assistant Professor Department of Applied Chemistry	<u>Title</u> Nanostructure Material based Photo Electrochemical Sensor for the detection of Biomarkers <u>Duration</u> : 2 Years	<table><tr><th>Particulars</th><th>Amount</th></tr><tr><td>Consumables</td><td>1,50,000</td></tr><tr><td>Minor Equipment</td><td>1,00,000</td></tr><tr><td>Contingency</td><td>25,000</td></tr><tr><td>Total</td><td>2,75,000</td></tr></table>	Particulars	Amount	Consumables	1,50,000	Minor Equipment	1,00,000	Contingency	25,000	Total	2,75,000	1,00,000
Particulars	Amount													
Consumables	1,50,000													
Minor Equipment	1,00,000													
Contingency	25,000													
Total	2,75,000													
4	Dr. Riju C Issac Associate Professor Department of Physics	<u>Title</u> A Versatile Laser-Plasma Optical Probe System <u>Duration</u> : 2 years	<table><tr><th>Particulars</th><th>Amount</th></tr><tr><td>Consumables</td><td>25,000</td></tr><tr><td>Equipment</td><td>2,50,000</td></tr><tr><td>Contingency</td><td>25,000</td></tr><tr><td>Total</td><td>3,00,000</td></tr></table>	Particulars	Amount	Consumables	25,000	Equipment	2,50,000	Contingency	25,000	Total	3,00,000	2,50,000
Particulars	Amount													
Consumables	25,000													
Equipment	2,50,000													
Contingency	25,000													
Total	3,00,000													
5	Dr. Aldrin Antony Associate Professor Department of Physics	<u>Title</u> Development of 2D Hetero junction Solar Cells <u>Duration</u> : 2 Years	<table><tr><th>Particulars</th><th>Amount</th></tr><tr><td>Consumables & Contingency</td><td>2,50,000</td></tr><tr><td>Total</td><td>2,50,000</td></tr></table>	Particulars	Amount	Consumables & Contingency	2,50,000	Total	2,50,000	1,00,000				
Particulars	Amount													
Consumables & Contingency	2,50,000													
Total	2,50,000													

Sl. No.	Name, Designation & Department	Project description	Proposed Budget (Rs.)		Amount Proposed this year (in Rs.) (2020-21)
6	Dr. Prasad V.V Assistant Professor Department of Physics	<u>Title</u> Extreme Value Statistics in Granular Matter <u>Duration</u> : 2 years	Particulars	Amount	2,00,000
			Consumables	25,000	
			Equipment	2,00,000	
			Contingency	25,000	
			Total	2,50,000	
7	Dr. Tathagata Banerjee Assistant Professor Department of Mathematics	<u>Title</u> Noncommunicative course geometry for symmetry domains in C ⁿ <u>Duration</u> : 2 years	Particulars	Amount	50,000
			Contingency	50,000	
			Books & Journals	75,000	
			Total	1,25,000	
8	Dr. Tanushree Pandit Assistant Professor Department of Mathematics	<u>Title</u> Algorithms for Bilevel Optimization Problem and Related Issues. <u>Duration</u> : 2 years	Particulars	Amount	50,000
			Contingency	50,000	
			Books & Journals	75,000	
			Total	1,25,000	
9	Dr. Aparna Lakshmanan S Assistant Professor Department of Mathematics	<u>Title</u> Leech Labeling and its Generalization <u>Duration</u> : 2 years	Particulars	Amount	50,000
			Contingency	50,000	
			Books & Journals	75,000	
			Total	1,25,000	
10	Dr. Shankar P Assistant Professor Department of Mathematics	<u>Title</u> Peaking Matrix States for Operator Systems <u>Duration</u> : 2 years	Particulars	Amount	50,000
			Contingency	50,000	
			Books & Journals	75,000	
			Total	1,25,000	

Sl. No.	Name, Designation & Department	Project description	Proposed Budget (Rs.)	Amount Proposed this year (in Rs.) (2020-21)										
11	Dr. Shaiju P Assistant Professor Centre For Science in Society (C-SiS)	<u>Title</u> Well Water Quality and the Effectiveness of Well Recharging of a Midland Village of Kerala - Special Reference to Thuruthikkara, the First Green Village of Kerala. <u>Duration</u> : 2 years	<table><tr><th>Particulars</th><th>Amount</th></tr><tr><td>Consumables</td><td>75,000</td></tr><tr><td>Minor Equipment</td><td>1,00,000</td></tr><tr><td>Contingency</td><td>25,000</td></tr><tr><td>Total</td><td>2,00,000</td></tr></table>	Particulars	Amount	Consumables	75,000	Minor Equipment	1,00,000	Contingency	25,000	Total	2,00,000	1,00,000
Particulars	Amount													
Consumables	75,000													
Minor Equipment	1,00,000													
Contingency	25,000													
Total	2,00,000													
12	Dr. Abesh Reghuvaran Assistant Professor Centre For Science in Society(C-SiS)	<u>Title</u> Increasing awareness about Intellectual Property Rights among Graduate students & School teachers in Kerala to help build a Knowledge Economy <u>Duration</u> : 2 years	<table><tr><th>Particulars</th><th>Amount</th></tr><tr><td>Contingency</td><td>50,000</td></tr><tr><td>Data collection</td><td>1,00,000</td></tr><tr><td>Total</td><td>1,50,000</td></tr></table>	Particulars	Amount	Contingency	50,000	Data collection	1,00,000	Total	1,50,000	50,000		
Particulars	Amount													
Contingency	50,000													
Data collection	1,00,000													
Total	1,50,000													
13	Dr. Sreekanth PM Assistant Professor Department of Biotechnology	<u>Title</u> Whole Genome Resequencing of native true mangrove tree- <i>Avicennia marina</i> in eco-geographic regions of Kerala coast: Implication in conservation. <u>Duration</u> : 3 years	<table><tr><th>Particulars</th><th>Amount</th></tr><tr><td>Consumables</td><td>50,000</td></tr><tr><td>Minor Equipment</td><td>1,00,000</td></tr><tr><td>Contingency</td><td>1,00,000</td></tr><tr><td>Total</td><td>2,50,000</td></tr></table>	Particulars	Amount	Consumables	50,000	Minor Equipment	1,00,000	Contingency	1,00,000	Total	2,50,000	1,00,000
Particulars	Amount													
Consumables	50,000													
Minor Equipment	1,00,000													
Contingency	1,00,000													
Total	2,50,000													
14	Dr. Rajesh P P Assistant Professor Department of Biotechnology	<u>Title</u> Methanogenesis Inhibition Strategies in Microbial Fuel Cell <u>Duration</u> : 2 Years	<table><tr><th>Particulars</th><th>Amount</th></tr><tr><td>Equipment</td><td>2,50,000</td></tr><tr><td>Total</td><td>2,50,000</td></tr></table>	Particulars	Amount	Equipment	2,50,000	Total	2,50,000	2,50,000				
Particulars	Amount													
Equipment	2,50,000													
Total	2,50,000													

Sl. No.	Name, Designation & Department	Project description	Proposed Budget (Rs.)	Amount Proposed this year (in Rs.) (2020-21)										
15	Dr. Bhavya Balan Chandrika Assistant Professor Department of Biotechnology	<u>Title</u> Search for the potential biofluid markers for the early diagnosis and effective prognosis of pulmonary fibrosis <u>Duration</u> : 2 years	<table><tr><th>Particulars</th><th>Amount</th></tr><tr><td>Contingency</td><td>2,50,000</td></tr><tr><td>Total</td><td>2,50,000</td></tr></table>	Particulars	Amount	Contingency	2,50,000	Total	2,50,000	1,00,000				
Particulars	Amount													
Contingency	2,50,000													
Total	2,50,000													
16	Dr. Sneha Yogindran Assistant Professor Department of Biotechnology	<u>Title</u> Exploring the molecular regulation of antiviral silencing during CMD in Cassava <u>Duration</u> : 2 years	<table><tr><th>Particulars</th><th>Amount</th></tr><tr><td>Consumables</td><td>1,25,000</td></tr><tr><td>Equipment</td><td>50,000</td></tr><tr><td>Contingency</td><td>25,000</td></tr><tr><td>Total</td><td>2,00,000</td></tr></table>	Particulars	Amount	Consumables	1,25,000	Equipment	50,000	Contingency	25,000	Total	2,00,000	1,00,000
Particulars	Amount													
Consumables	1,25,000													
Equipment	50,000													
Contingency	25,000													
Total	2,00,000													
17	Dr. Princy T Assistant Professor Department of Statistics	<u>Title</u> Some Useful Pathway Models in Reliability Theory <u>Duration</u> : 2 years	<table><tr><th>Particulars</th><th>Amount</th></tr><tr><td>Contingency</td><td>25,000</td></tr><tr><td>Books & Journals</td><td>75,000</td></tr><tr><td>Total</td><td>1,00,000</td></tr></table>	Particulars	Amount	Contingency	25,000	Books & Journals	75,000	Total	1,00,000	50,000		
Particulars	Amount													
Contingency	25,000													
Books & Journals	75,000													
Total	1,00,000													
18	*Sri. Akram P.A Assistant Professor Department of Ship Technology	<u>Title</u> Study of Underwater Acoustics due to Structure-borne Noise of the Shipboard Machineries <u>Duration</u> : 2 Years	<table><tr><th>Particulars</th><th>Amount</th></tr><tr><td>Equipment</td><td>1,10,000</td></tr><tr><td>Total</td><td>1,10,000</td></tr></table>	Particulars	Amount	Equipment	1,10,000	Total	1,10,000	1,10,000				
Particulars	Amount													
Equipment	1,10,000													
Total	1,10,000													
19	*Sri. Anoop Chitrasenan Assistant Professor Department of Ship Technology	<u>Title</u> Calculating motion characteristics of a wind turbine floater for deep sea operation <u>Duration</u> : 2 Years	<table><tr><th>Particulars</th><th>Amount</th></tr><tr><td>Contingency</td><td>25,000</td></tr><tr><td>Total</td><td>25,000</td></tr></table>	Particulars	Amount	Contingency	25,000	Total	25,000	15,000				
Particulars	Amount													
Contingency	25,000													
Total	25,000													
* Sri. Akram P.A, Assistant Professor, Department of Ship Technology & Sri. Anoop Chitrasenan, Assistant Professor, Department of Ship Technology shall share the equipment and contingency purchased from the SMNRI 2020-21 grants (under component head “Equipment” & “Contingency”)														

Sl. No.	Name, Designation & Department	Project description	Proposed Budget (Rs.)	Amount Proposed this year (in Rs.) (2020-21)										
20	Sri. Aravind K.R Assistant Professor Department of Ship Technology	<u>Title</u> Developing the Methodologies and Identifying the Design Constraints for Eco Friendly Inland Water Ship Design for National Water Ways 3 (NW-3) <u>Duration</u> : 2 Years	<table><tr><th>Particulars</th><th>Amount</th></tr><tr><td>Field Work & Data Collection</td><td>75,000</td></tr><tr><td>Minor Equipment</td><td>50,000</td></tr><tr><td>Contingencies & Travel</td><td>25,000</td></tr><tr><td>Total</td><td>1,50,000</td></tr></table>	Particulars	Amount	Field Work & Data Collection	75,000	Minor Equipment	50,000	Contingencies & Travel	25,000	Total	1,50,000	50,000
Particulars	Amount													
Field Work & Data Collection	75,000													
Minor Equipment	50,000													
Contingencies & Travel	25,000													
Total	1,50,000													
21	Sri. Mohammed Ashique Assistant Professor Department of Ship Technology	<u>Title</u> Exploration of renewable energy from ocean <u>Duration</u> : 16 months	<table><tr><th>Particulars</th><th>Amount</th></tr><tr><td>Upgradation / Setting up of Static Tank</td><td>2,00,000</td></tr><tr><td>Equipment</td><td>50,000</td></tr><tr><td>Total</td><td>2,50,000</td></tr></table>	Particulars	Amount	Upgradation / Setting up of Static Tank	2,00,000	Equipment	50,000	Total	2,50,000	1,00,000		
Particulars	Amount													
Upgradation / Setting up of Static Tank	2,00,000													
Equipment	50,000													
Total	2,50,000													
22	Dr. Favas T.K Assistant Professor Department of Ship Technology	<u>Title</u> Numerical Prediction of Hotspots and Entropy Generation in Energy Generating Components Cooled by Nanofluids / Liquid Metals by considering Temperature Dependency of Thermo-Physical Properties. <u>Duration</u> : 2 years	<table><tr><th>Particulars</th><th>Amount</th></tr><tr><td>Equipment</td><td>1,00,000</td></tr><tr><td>Total</td><td>1,00,000</td></tr></table>	Particulars	Amount	Equipment	1,00,000	Total	1,00,000	1,00,000				
Particulars	Amount													
Equipment	1,00,000													
Total	1,00,000													
23	Smt. Rafidha Rehiman K A, AssistantProfessor Department of Computer Applications	<u>Title</u> Automated Framework for Active Ransomware Detection to Detract from Encryption <u>Duration</u> : 2 years	<table><tr><th>Particulars</th><th>Amount</th></tr><tr><td>Consumables</td><td>25,000</td></tr><tr><td>Equipment</td><td>2,00,000</td></tr><tr><td>Contingency</td><td>25,000</td></tr><tr><td>Total</td><td>2,50,000</td></tr></table>	Particulars	Amount	Consumables	25,000	Equipment	2,00,000	Contingency	25,000	Total	2,50,000	2,00,000
Particulars	Amount													
Consumables	25,000													
Equipment	2,00,000													
Contingency	25,000													
Total	2,50,000													

Sl. No.	Name, Designation & Department	Project description	Proposed Budget (Rs.)	Amount Proposed this year (in Rs.) (2020-21)										
24	Dr. Vishnukumar S Associate Professor Department of Computer Applications	<u>Title</u> Detection and Analysis of Tuberculosis Bascilli in Sputum Smear Images using Machine Learning Techniques <u>Duration</u> : 2 years	<table><tr><th>Particulars</th><th>Amount</th></tr><tr><td>Consumables</td><td>25,000</td></tr><tr><td>Equipment</td><td>2,00,000</td></tr><tr><td>Contingency</td><td>25,000</td></tr><tr><td>Total</td><td>2,50,000</td></tr></table>	Particulars	Amount	Consumables	25,000	Equipment	2,00,000	Contingency	25,000	Total	2,50,000	2,00,000
Particulars	Amount													
Consumables	25,000													
Equipment	2,00,000													
Contingency	25,000													
Total	2,50,000													
25	Dr. Vinod P Professor Department of Computer Applications	<u>Title</u> A Deep learning-based Malware Detection Framework using Multimodal Features <u>Duration</u> : 2 years	<table><tr><th>Particulars</th><th>Amount</th></tr><tr><td>Contingency</td><td>50,000</td></tr><tr><td>Equipment</td><td>2,00,000</td></tr><tr><td>Total</td><td>2,50,000</td></tr></table>	Particulars	Amount	Contingency	50,000	Equipment	2,00,000	Total	2,50,000	2,00,000		
Particulars	Amount													
Contingency	50,000													
Equipment	2,00,000													
Total	2,50,000													
26	Dr. Pankaj Sagar Assistant Professor Department of Instrumentation	<u>Title</u> Characterization of dielectric properties of insulating materials down to Liquid Helium Temperatures for sensor applications <u>Duration</u> : 2 Years	<table><tr><th>Particulars</th><th>Amount</th></tr><tr><td>Contingencies</td><td>50,000</td></tr><tr><td>Fabrication & other Machine costs</td><td>50,000</td></tr><tr><td>Equipment</td><td>2,00,000</td></tr><tr><td>Total</td><td>3,00,000</td></tr></table>	Particulars	Amount	Contingencies	50,000	Fabrication & other Machine costs	50,000	Equipment	2,00,000	Total	3,00,000	2,00,000
Particulars	Amount													
Contingencies	50,000													
Fabrication & other Machine costs	50,000													
Equipment	2,00,000													
Total	3,00,000													
27	Dr. Suja P Devipriya Associate Professor School of Environmental Studies	<u>Title</u> Identification of bioindicator organisms for microplastic pollution, Assessment of the impacts of microplastic ingestion and possible trophic transfer in bioindicators <u>Duration</u> : 2 Years	<table><tr><th>Particulars</th><th>Amount</th></tr><tr><td>Consumables</td><td>75,000</td></tr><tr><td>Minor Equipment</td><td>1,50,000</td></tr><tr><td>Contingency</td><td>25,000</td></tr><tr><td>Total</td><td>2,50,000</td></tr></table>	Particulars	Amount	Consumables	75,000	Minor Equipment	1,50,000	Contingency	25,000	Total	2,50,000	1,50,000
Particulars	Amount													
Consumables	75,000													
Minor Equipment	1,50,000													
Contingency	25,000													
Total	2,50,000													

Sl. No.	Name, Designation & Department	Project description	Proposed Budget (Rs.)	Amount Proposed this year (in Rs.) (2020-21)										
28	Dr. Ratheesh Kumar C S Assistant Professor School of Environmental Studies	<u>Title</u> Hydrocarbons as Biomarkers for Source Characterisation of Sedimentary Organic Matter in Ashtamudi Estuary. <u>Duration</u> : 2 Years	<table><tr><th>Particulars</th><th>Amount</th></tr><tr><td>Consumables</td><td>1,00,000</td></tr><tr><td>Contingency</td><td>1,00,000</td></tr><tr><td>Total</td><td>2,00,000</td></tr></table>	Particulars	Amount	Consumables	1,00,000	Contingency	1,00,000	Total	2,00,000	75,000		
Particulars	Amount													
Consumables	1,00,000													
Contingency	1,00,000													
Total	2,00,000													
29	DrPreethy Chandran Assistant Professor School of Environmental Studies	<u>Title</u> Bioremediation of pesticides from effluents using an integrated photo catalytic bioreactor using immobilized bacteria <u>Duration</u> : 2 Years	<table><tr><th>Particulars</th><th>Amount</th></tr><tr><td>Consumables</td><td>1,00,000</td></tr><tr><td>Contingency</td><td>1,00,000</td></tr><tr><td>Total</td><td>2,00,000</td></tr></table>	Particulars	Amount	Consumables	1,00,000	Contingency	1,00,000	Total	2,00,000	75,000		
Particulars	Amount													
Consumables	1,00,000													
Contingency	1,00,000													
Total	2,00,000													
30	Sri. Shibir S.P Assistant Professor National Centre for Aquatic Animal Health (NCAAH)	<u>Title</u> Development and optimization of microbial fuel cell <u>Duration</u> : 2 years	<table><tr><th>Particulars</th><th>Amount</th></tr><tr><td>Consumables</td><td>25,000</td></tr><tr><td>Minor Equipment</td><td>50,000</td></tr><tr><td>Contingency</td><td>25,000</td></tr><tr><td>Total</td><td>1,00,000</td></tr></table>	Particulars	Amount	Consumables	25,000	Minor Equipment	50,000	Contingency	25,000	Total	1,00,000	50,000
Particulars	Amount													
Consumables	25,000													
Minor Equipment	50,000													
Contingency	25,000													
Total	1,00,000													
31	Dr. Ancy V.P Assistant Professor School of Industrial Fisheries	<u>Title</u> Challenges and Prospectus of Sustainable Shoreline and its Impact on Fishing Communities with Special Reference to Chellanam. <u>Duration</u> : 2 years	<table><tr><th>Particulars</th><th>Amount</th></tr><tr><td>Field work Travel/logistics etc</td><td>50,000</td></tr><tr><td>Equipment</td><td>50,000</td></tr><tr><td>Contingency</td><td>25,000</td></tr><tr><td>Total</td><td>1,25,000</td></tr></table>	Particulars	Amount	Field work Travel/logistics etc	50,000	Equipment	50,000	Contingency	25,000	Total	1,25,000	50,000
Particulars	Amount													
Field work Travel/logistics etc	50,000													
Equipment	50,000													
Contingency	25,000													
Total	1,25,000													

Sl. No.	Name, Designation & Department	Project description	Proposed Budget (Rs.)	Amount Proposed this year (in Rs.) (2020-21)										
32	Dr.Ginson Joseph Assistant Professor School of Industrial Fisheries	<u>Title</u> Nutritional Profiling and Utilization of Silver pompano (Trachinotusblochii) for Sustainable Rural Economy <u>Duration</u> : 1 year	<table><tr><th>Particulars</th><th>Amount</th></tr><tr><td>Consumables</td><td>1,00,000</td></tr><tr><td>Contingency</td><td>1,00,000</td></tr><tr><td>Total</td><td>2,00,000</td></tr></table>	Particulars	Amount	Consumables	1,00,000	Contingency	1,00,000	Total	2,00,000	75,000		
Particulars	Amount													
Consumables	1,00,000													
Contingency	1,00,000													
Total	2,00,000													
33	Dr. Sreekala P.P Assistant Professor Department of Atmospheric Sciences	<u>Title</u> A Study on the new trends and interannual variability of southwest monsoon rainfall over newly identified homogenous rainfall regions of India <u>Duration</u> : 1 year	<table><tr><th>Particulars</th><th>Amount</th></tr><tr><td>Equipment</td><td>1,00,000</td></tr><tr><td>Contingency</td><td>50,000</td></tr><tr><td>Total</td><td>1,50,000</td></tr></table>	Particulars	Amount	Equipment	1,00,000	Contingency	50,000	Total	1,50,000	1,00,000		
Particulars	Amount													
Equipment	1,00,000													
Contingency	50,000													
Total	1,50,000													
34	Dr. Amaldev T Assistant Professor Department of Marine Geology & Marine Geophysics	<u>Title</u> Growth, structure and evolution of Coorg-Nilgiri blocks and associated suture zones, southern India; an integrated approach using geological and geophysical data <u>Duration</u> : 2 Years	<table><tr><th>Particulars</th><th>Amount</th></tr><tr><td>Consumables</td><td>25,000</td></tr><tr><td>Equipment</td><td>1,00,000</td></tr><tr><td>Contingency</td><td>50,000</td></tr><tr><td>Total</td><td>1,75,000</td></tr></table>	Particulars	Amount	Consumables	25,000	Equipment	1,00,000	Contingency	50,000	Total	1,75,000	1,00,000
Particulars	Amount													
Consumables	25,000													
Equipment	1,00,000													
Contingency	50,000													
Total	1,75,000													
35	Dr. Honey H Das Assistant Professor Department of Marine Geology & Marine Geophysics	<u>Title</u> Pseudotachylites in the Satyamangalam Group, Southern Granulite Terrain (SGT). <u>Duration</u> : 2 Years	<table><tr><th>Particulars</th><th>Amount</th></tr><tr><td>Consumables</td><td>50,000</td></tr><tr><td>Contingency</td><td>50,000</td></tr><tr><td>Total</td><td>1,00,000</td></tr></table>	Particulars	Amount	Consumables	50,000	Contingency	50,000	Total	1,00,000	50,000		
Particulars	Amount													
Consumables	50,000													
Contingency	50,000													
Total	1,00,000													

Sl. No.	Name, Designation & Department	Project description	Proposed Budget (Rs.)	Amount Proposed this year (in Rs.) (2020-21)									
36	Sri. Naveen P.U Assistant Professor Department of Marine Geology & Marine Geophysics	<u>Title</u> Tectonics and crustal structure of Southern Granulite Terrain (SGT), South India using potential field methods <u>Duration</u> : 2 Years	<table><tr><th>Particulars</th><th>Amount</th></tr><tr><td>Consumables</td><td>50,000</td></tr><tr><td>Contingency</td><td>50,000</td></tr><tr><td>Total</td><td>1,00,000</td></tr></table>	Particulars	Amount	Consumables	50,000	Contingency	50,000	Total	1,00,000	50,000	
Particulars	Amount												
Consumables	50,000												
Contingency	50,000												
Total	1,00,000												
37	Dr. Prabhakaran Hebbar Illath Associate Professor Department of Hindi	<u>Title</u> The Poetic Philosophy of Development. <u>Duration</u> : 2 years	<table><tr><th>Particulars</th><th>Amount</th></tr><tr><td>Books & Journals</td><td>75,000</td></tr><tr><td>Contingency</td><td>25,000</td></tr><tr><td>Total</td><td>1,00,000</td></tr></table>	Particulars	Amount	Books & Journals	75,000	Contingency	25,000	Total	1,00,000	50,000	
Particulars	Amount												
Books & Journals	75,000												
Contingency	25,000												
Total	1,00,000												
38	Dr. Praneeta P Associate Professor Department of Hindi	<u>Title</u> Marginalized Homosexuality in Contemporary Hindi Novels : Queer Perspective <u>Duration</u> : 22 months	<table><tr><th>Particulars</th><th>Amount</th></tr><tr><td>Books & Journals</td><td>75,000</td></tr><tr><td>Contingency</td><td>25,000</td></tr><tr><td>Total</td><td>1,00,000</td></tr></table>	Particulars	Amount	Books & Journals	75,000	Contingency	25,000	Total	1,00,000	50,000	
Particulars	Amount												
Books & Journals	75,000												
Contingency	25,000												
Total	1,00,000												
39	Dr. P.R Suresh, Assistant Professor Department of Applied Economics	<u>Title</u> Impact of Covid-19 Pandemic on income, Employment and Livelihoods of Marine Fisher Folks in Kerala <u>Duration</u> : 18 months	<table><tr><th>Particulars</th><th>Amount</th></tr><tr><td>Data Processing and Analysis</td><td rowspan="2">50,000</td></tr><tr><td>Secondary Data Collection</td></tr><tr><td>Contingency</td><td>50,000</td></tr><tr><td>Total</td><td>1,00,000</td></tr></table>	Particulars	Amount	Data Processing and Analysis	50,000	Secondary Data Collection	Contingency	50,000	Total	1,00,000	50,000
Particulars	Amount												
Data Processing and Analysis	50,000												
Secondary Data Collection													
Contingency	50,000												
Total	1,00,000												
40	Dr. P K Baby Director, Students Welfare Department of Youth Welfare	<u>Title</u> Indigenous Agricultural Practices and Food security in Tribal villages in Kerala. <u>Duration</u> : 2 Years	<table><tr><th>Particulars</th><th>Amount</th></tr><tr><td>Consumable</td><td>50,000</td></tr><tr><td>Contingency</td><td>50,000</td></tr><tr><td>Total</td><td>1,00,000</td></tr></table>	Particulars	Amount	Consumable	50,000	Contingency	50,000	Total	1,00,000	50,000	
Particulars	Amount												
Consumable	50,000												
Contingency	50,000												
Total	1,00,000												

COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY

(Abstract)

State Plan Grant (2021-22) - Seed Money for New Research Initiatives (SMNRI) - Proposals approved - Release of 1st instalment of advance- Sanctioned - Orders issued.

PLANNING AND DEVELOPMENT DIVISION

No.CUSAT/PL(UGC).A1/952/2022

Dated,KOCHI-22,23.02.2022

Read:-1. Circular No. CUSAT/PL(UGC).1/SEED Money/2021 dated 06.12.2021

2. U.O No. CUSAT/PL(UGC).A1/756/2021 dated 19.02.2021

3. Circular Audit A/SO/2012 dated 11.09.2012

4. U O No. Ad.G3/2015/Go dated 15.05.2012

ORDER

Allocations are made in State Plan Grant for the year 2021-22 for utilising funds under the scheme "SEED Money for New Research Initiatives". Proposals from the newly recruited faculties of various Departments/Schools/Centres in the University were called for, vide paper read as (1) above for submitting projects under this scheme. In its response, eighteen newly recruited faculties submitted their project proposals which were subjected to scrutiny by the concerned members of expert committee (constituted vide U.O read (2) above) at its meeting held on 04.02.2022. After assessment, proposals of eight faculties were recommended by the Committee for approval during the current financial year. A project presentation of the recommended faculties were made before the expert committee on 17.02.2022 and after reviewing the same, the finalized allocation of grant to each individuals were recommended by committee.

Considering the recommendations of the expert committee, the Vice Chancellor has accorded sanction for approval of the eight projects presented and also the allocation of its budget as shown in **Appendix**, towards the scheme "Seed Money for New Research Initiatives 2021-22(SMNRI 2021-22)", whereby a total allocation of ₹21.20 lakhs has been made, of which ₹9.70 lakhs shall be distributed as 1st installment during the financial year 2021-22. The respective faculty shall draw the amount shown for 1 year in Column 3 of the Appendix as advance, towards the project during this financial year(2021-22) itself.

The faculties shall ensure compliance of the following conditions in implementing the projects :

1. The SMNRI project shall be in project mode and the faculty concerned will be the Principal Investigator of the Project, who shall draw the advance sanctioned and shall settle the same not later than the sanctioned period of their project, without incurring any penal interest in this regard.
2. All items (Equipment, Books & Journals etc.) purchased using funds under this scheme have to be handed over to the respective Department/School/Centre, on completion of the

project, and the same shall be entered in the stock register of the Department/School/Centre. Attestation of the stock certificate by the concerned Head/Director of the Department/ School/Centre shall be done in the concerned voucher while submitting the adjustment bill.

3. Purchase of laptops/computers are not permitted under the project. Instead, the Principal Investigators may make use of the same available at their respective Departments/Schools/Centre.
4. The concerned Principal Investigators are to ensure that expenditure is incurred component-wise, as approved. Re-appropriation / Re-allocation of budget shall not be entertained.
5. Separate bank account has to be opened for maintaining the advance drawn, and the interest accrued (if any), has to be refunded to CUF, before settling the advance.
6. Project progress presentations shall be made at regular intervals to monitor the progress of the project being implemented and the utilization of the funds sanctioned.

The selected faculties have to strictly follow all the rules prevailing in the University in the implementation of the schemes and are directed to complete the entire procedures within the project period, as stipulated. The respective faculty shall settle the advance drawn, after drawing the full amount in the subsequent financial year/s by using a single adjustment bill, with proper bills and vouchers. The drawal and adjustment of advance shall strictly be made by observing the rules laid down in the papers read at (3) & (4) above.

The concerned Principal Investigator should ensure that bills submitted in this regard, meeting the expenditure from the Head of Account **"1-98-0-U-1-017 Research Seed Money for young teachers"** be routed through the Planning & Development Officer for countersignature and for effective monitoring of fund utilization. The selected faculties have to submit the Simple Receipt within the date stipulated for submission of bills by the Finance Division i.e 28.02.2022, for drawing the first installment of advance.

Orders are therefore issued accordingly.

Dr Ansar M S *
PLANNING AND DEVELOPMENT
OFFICER

To:

1. The Faculties concerned - through the Head of the Department
2. The Head / Director of the - Department / School / Centre's concerned
3. The Joint Director , Kerala State Audit Department
4. The Director, IQAC
5. The Deputy Registrar (Admn . III/Finance)

6. The Assistant Registrar(Admn. I/Cash/Finance/Audit/Accounts)
7. Audit D/Accounts I/IA&I /Finance/Admn. D/Cash/payroll-B Sections / DEAS Cell / Statistical Officer
8. PS to Vice-Chancellor / PS to Pro-Vice-Chancellor / PA to Registrar / PA to Finance Officer
9. File Copy / Office Copy

* This is a computer generated document. Hence no signature is required.

Appendix

Sl. No.	Name & Designation of Faculty	Project particulars	Sanctioned allocation (Rs.)				
1	Dr. Shandev P.P Assistant Professor Department of Applied Chemistry	Title : BOPAHY Based Materials for Organic Photovoltaic Devices Duration : 2 years					
			Sl. No.	Heads of Expenditure	1st year	2nd year	Total
			1	Consumables & Contingencies	50,000	50,000	1,00,000
			2	Equipment	1,00,000	1,00,000	2,00,000
		Grand Total (1+2)	1,50,000	1,50,000	3,00,000		
2	Dr. Chaithanya E.R Assistant Professor Department of Marine Biology, Microbiology and Biochemistry	Title : Microbiome in Cochin Estuary and its Functional Attributes to Pollutants with Special Reference to Antibiotics Duration : 2 years					
			Heads of Expenditure		1st year	2nd year	Total
			Consumables & Contingencies		75,000	1,50,000	2,25,000
3	Dr. Lathika Cicily Thomas Assistant Professor Department of Marine Biology, Microbiology and Biochemistry	Title : Ecophysiology and bloom dynamics of potentially toxic cyanobacteria of the genus Microcystis from the aquatic ecosystems of Kerala Duration : 2 years					
			Sl. No.	Heads of Expenditure	1st year	2nd year	Total
			1	Consumables & Contingencies	50,000	1,50,000	2,00,000
			2	Equipment	1,00,000	-	1,00,000
				Grand Total (1+2)	1,50,000	1,50,000	3,00,000
4	Dr. Sayuj K.P Assistant Professor Department of Biotechnology	Title : Seed priming mediated improved soft rot tolerance in Zingiber officinale Rosc. Duration : 2 years					
			Sl. No.	Heads of Expenditure	1st year	2nd year	Total
			1	Consumables & Contingencies	50,000	2,00,000	2,50,000
			2	Equipment	2,20,000	-	2,20,000
				Grand Total (1+2)	2,70,000	2,50,000	4,70,000
5	Dr. Shaju S.S Assistant Professor Department of Chemical Oceanography	Title : Studies on the blue carbon and carbon fluxes of Cochin wetland ecosystem and estuary and its contribution to global carbon cycling Duration : 2 years					
			Heads of Expenditure		1st year	2nd year	Total
			Consumables & Contingencies		75,000	1,50,000	2,25,000

6	Dr. Jorhpin Joseph Assistant Professor Department of Chemical Oceanography	Title : Design and optimisation of polyimide nanofiltration membranes for desalination and water purification Duration : 2 years	<table><tr><th>Sl. No.</th><th>Heads of Expenditure</th><th>1st year</th><th>2nd year</th><th>Total</th></tr><tr><td>1</td><td>Consumables & Contingencies</td><td>50,000</td><td>1,50,000</td><td>2,00,000</td></tr><tr><td>2</td><td>Equipment</td><td>1,00,000</td><td>-</td><td>1,00,000</td></tr><tr><td></td><td>Grand Total (1+2)</td><td>1,50,000</td><td>1,50,000</td><td>3,00,000</td></tr></table>	Sl. No.	Heads of Expenditure	1st year	2nd year	Total	1	Consumables & Contingencies	50,000	1,50,000	2,00,000	2	Equipment	1,00,000	-	1,00,000		Grand Total (1+2)	1,50,000	1,50,000	3,00,000
Sl. No.	Heads of Expenditure	1st year	2nd year	Total																			
1	Consumables & Contingencies	50,000	1,50,000	2,00,000																			
2	Equipment	1,00,000	-	1,00,000																			
	Grand Total (1+2)	1,50,000	1,50,000	3,00,000																			
7	Dr. Meera Prathapan Assistant Professor School of Management Studies	Title : Improving Pre- school Education through Positive Education Intervention Duration : 2 years	<table><tr><th>Heads of Expenditure</th><th>1st year</th><th>2nd year</th><th>Total</th></tr><tr><td>Consumables & Contingencies</td><td>50,000</td><td>1,00,000</td><td>1,50,000</td></tr></table>	Heads of Expenditure	1st year	2nd year	Total	Consumables & Contingencies	50,000	1,00,000	1,50,000												
Heads of Expenditure	1st year	2nd year	Total																				
Consumables & Contingencies	50,000	1,00,000	1,50,000																				
8	Dr. Daly Paulose Meppurath Assistant Professor School of Management Studies	Title : A proposal for Bridging Grey Digital Divide through Digital Onboarding Duration : 2 years	<table><tr><th>Heads of Expenditure</th><th>1st year</th><th>2nd year</th><th>Total</th></tr><tr><td>Consumables & Contingencies</td><td>50,000</td><td>1,00,000</td><td>1,50,000</td></tr></table>	Heads of Expenditure	1st year	2nd year	Total	Consumables & Contingencies	50,000	1,00,000	1,50,000												
Heads of Expenditure	1st year	2nd year	Total																				
Consumables & Contingencies	50,000	1,00,000	1,50,000																				

COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY

(Abstract)

State Plan Grant(2022-23) - Seed Money for New Research Initiatives (SMNRI) - Proposals approved - Release of 1st Installment of advance - UO modified - Sanctioned - Orders issued.

Planning(UGC)

No.CUSAT/PL(UGC).A5/3860/2022

Dated,KOCHI-22,25.08.2022

- Read:-1. Circular No. CUSAT/PL(UGC).1 seed Money/2021 dated 05.05.2022.
2. Minutes of the meeting of the Committee for the Scrutiny of Proposals received under SMNRI held on 29.06.2022 & 22.07.2022
3. UO No. CUSAT/PL(UGC).A1/1112/2021 dated, 09.03.2021
4. Letter No. NCAAH/SSP/2021-22 dated 07.03.2022 from Sri. Shibin.S.P, Assistant Professor, NCAAH

ORDER

Proposals from the newly recruited faculties of various Departments/ Schools/ Centres of the University were called for, vide paper read as (1) above for submitting project under the SMNRI Scheme for the year 2022-23. In response to it, eleven faculties submitted their proposals which were subjected to scrutiny by the expert committee at its meeting held on 29.6.2022. After assessment, proposals of nine faculties were recommended by the committee for approval during the current financial year. A project presentation of the recommended faculties were made before the expert committee on 22.7.2022 and after reviewing the same, the final allocation of grant to each faculties for their project were recommended by the committee.

Sri. Shibin.S.P, Assistant Professor, NCAAH, was awarded SMNRI 2020-21 project of two year's duration titled "Development and optimization of microbial fuel cell", vide paper read at (3) above, and had drawn an amount of ₹50,000/- during the first year of the project. Vide paper read at (4) above, Sri. Shibin.S.P has requested for changing the topic to "Development of bioprocess for the production of a high quality protein hydrolysate, edible calcium, and medical grade collagen from NCAAH RAS GIFT post filleting" which was recommended and forwarded by the Director, NCAAH. The Committee considered the request of Sri. Shibin.S.P, and recommended to change the topic as requested by him, with the budget of ₹1 lakhs approved earlier.

Considering the recommendations of the expert committee, the Vice Chancellor has accorded sanction for approval of the nine projects of two years duration as shown in **Appendix**, towards the scheme "SMNRI-2022-23" under State Plan. The project sanctioned to Sri. Shibin.S.P, Assistant Professor, NCAAH under the SMNRI 2020-21 is cancelled, and has awarded new project under SMNRI 2022-23, and he is permitted to use the first installment amount of ₹50,000/- drawn earlier, for the new project. There is no conditions for drawing the advance other than specified in this order.

The respective faculties shall draw the amount shown for 1 year in the Appendix as advance, towards the project during this financial year(2022-23), and the remaining during the next financial year.

The faculty shall ensure compliance of the following conditions in implementing the project:

1. Dr. Praveen C S, Assistant Professor, International School of Photonics will draw the advance of ₹8 lakhs as advance, and will share the same with Dr. Mohammed Ameen.P, Assistant Professor. The responsibility of settling the advance will be with Dr. Praveen C S.
2. The SMNRI project shall be in project mode and the faculty concerned will be the Principal Investigator of the project, who shall draw the advance sanctioned and shall settle the same within three months after the end of the sanctioned period of their project, without incurring any penal interest in this regard.
3. All items(Equipment, Books & Journals etc.) purchased using funds under this scheme have to be handed over to the respective Department/School/Centre, on completion of the project, and the same shall be entered in the stock register of the Department/School/Centre concerned. Attestation of the Stock Certificate by the concerned Head/Director of the Department/School/Centre shall be done in the concerned voucher while submitting the adjustment bill.
4. Purchase of laptops /computers are not permitted under the project. Instead, the Principal Investigators may make use of the same available at their respective Departments/Schools/Centre.
5. The concerned Principal Investigators had to ensure that the expenditure is incurred component-wise, as approved. Re-appropriation/Re-allocation of budget shall not be entertained.
6. Seperate bank account has to be opened for maintaining the advance drawn, and the interest accrued (if any), has to be refunded to CUF, after closing the bank account before settling the advance. The bank statement has to be attached with the adjustment bill.
7. Project progress presentation shall be made at regular intervals to monitor the progress of the project being implemented and the utilization of the fund sanctioned.

The respective faculty shall settle the advance drawn, after drawing the full amount in the subsequent financial year/s by using a single adjustment bill, with proper bills and vouchers.

The concerned Principal Investigator should ensure that bills submitted in this regard, meeting the expenditure from the Head of Account: "**1-98-0-U-1-017 Research Seed Money for Young Teachers**" are routed through the Planning & Development Division for counter signature.

The paper read as (3) above stands modified to this extent.

Orders are therefore issued accordingly.

Dr Ansar M S *
PLANNING AND DEVELOPMENT
OFFICER

To:

1. The Faculties concerned ► through the Head of the Department/School/Centre
2. The Head/Director of the -Department/School/Centre concerned.
3. The Joint Director, KSAD
4. The Director, IQAC
5. The Deputy Registrar(Admn.III/Finance)
6. The Assistant Registrar(Admn. I/Cash/Finance/Audit/Accounts)
7. Audit D/Accounts-I/IA&I/Finance/Admn. D& F/Cash/Payroll-B Sections/DEAS Cell/Statistical Officer
8. PS to VC/Ps to PVC/PA to Registrar/PA to FO
9. File Copy/Office Copy.

* This is a computer generated document. Hence no signature is required.

APPENDIX

Sl. No.	Name, Designation & Department	Project Particulars	Sanctioned amount (Rs)				
1	Dr. Praveen C.S Asst. Professor International School of Photonics	Machine learning assisted materials discovery for meeting global energy demands					
			Sl. No.	Heads of Expenditure	I Year	II Year	Total
			1.	Contingency	1,00,000/-	---	1,00,000/-
2.	Dr. Mohammed Ameen P Assistant Professor International School of Photonics	Design and optimazation of tunable magnetic dipolar manoantennas for magnetic field enhanced spectroscopy: Theory and Simulation.	2.	Equipment	7,00,000/-	---	7,00,000/-
				Grant Total	8,00,000/-	---	8,00,000/-
			<ul style="list-style-type: none">The amount of Rs. 7 lakhs (non-recurring) is for the purchase of <i>Workstation</i> for the use of both these faculties, and, allotted an amount of Rs. 50,000/- each to both these faculties under the head “Contingencies”				
3.	Dr. Deepika M.P Assistant Professor Dept. of Computer Applications	Ufarm-Cloud and IOT based System for Agriculture					
			Sl. No.	Heads of Expenditure	I Year	II Year	Total
			1.	Consumables & Contingencies	35,000/-	20,000/-	55,000/-
			2.	Equipments	1,00,000/-	45,000/-	1,45,000/-
	Grant Total	1,35,000/-	65,000/-	2,00,000/-			
4.	Dr. Harikrishnan S Assistant Professor Division of Mechanical Engineering, School of Engineering	Design of Efficient Thermal Management System bfor LI-ION Battery Packs”					
			Sl. No.	Heads of Expenditure	I Year	II Year	Total
			1.	Consumables & Contingencies	5,000/-	5,000/-	10,000/-
			2.	Equipments	1,90,000/-	---	190000/-
	Grant Total	1,95,000/-	5,000/-	2,00,000/-			
5.	Dr. Vrinda S, Assistant Professor School of Environmental Studies	Polyaromatic hydrocarbon (PAH) pollution in Cochin estury and its ecotoxicological impact on shrimp fishery stock					
			Sl. No.	Heads of Expenditure	I Year	II Year	Total
			1.	Consumables & Contingencies	1,00,000/-	1,00,000/-	2,00,000/-
	Grant Total	1,00,000/-	1,00,000/-	2,00,000/-			

6.	Dr. Vineeth Mohan P Assistant Professor Department of Physics	Development of ferromagnetic- Antiferromagnet Hybrid spintronic Devices					
			Sl. No.	Heads of Expenditure	I Year	II Year	Total
			1.	Consumables & Contingencies	85,000/-	40,000/-	85,000/-
			2.	Equipments	2,75,000/-	---	2,75,000/-
				Grant Total	3,60,000/-	40,000/-	4,00,000/-
7.	Dr. Nimitha Aboobaker Assistant Professor School of Management Studies	Academic Buoyancy and Educators' Wellbeing during times of the pandemic: Development of a capacity-building intervention program					
			Sl. No.	Heads of Expenditure	I Year	II Year	Total
			1.	Consumables & Contingencies	70,000/-	70,000/-	1,40,000/-
				Grant Total	70,000/-	70,000/-	1,40,000/-
8.	Dr. Smiju.I.S Assistant Professor School of Management Studies	The Impact of Artificial Intelligence on Project Management and To Develop an AI Assisted Framework for AGIL Project Management					
			Sl. No.	Heads of Expenditure	I Year	II Year	Total
			1.	Consumables & Contingencies	30,000/-	40,000/-	70,000/-
			2.	Workstation & Software	1,25,000/-	--	1,25,000/-
				Grant Total	1,55,000/-	40,000/-	1,95,000/-
9.	Sri. Shibin S.P Assistant Professor NCAAH	Development of bioprocess for the production of a high quality protein hydrolysate, edible calcium, and medical grade collagen from NCAAH RAS GIFT post filleting					
			Sl. No.	Heads of Expenditure	I Year	II Year	Total
			1.	Consumables & Contingencies	50,000/- (Already released)	50,000/-	1,00,000/-
				Grant Total	50,000/-	50,000/-	1,00,000/-

First Year (2022-23) Total	Rs. 18,65,000
Second Year(2023-24) Total	Rs. 3,70,000
GRANT TOTAL	Rs. 22,35,000

COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY

(Abstract)

State Plan Grant - Seed Money for New Research Initiatives (SMNRI) 2024-25 - Proposals approved - Release of advance- Sanctioned - Orders issued.

PLANNING AND DEVELOPMENT DIVISION

No.CUSAT/PL(UGC).A5/2847/2024

Dated,KOCHI-22,06.07.2024

- Read:-1. Circular No. CUSAT/ PL(UGC).A5/ 99083/ 2023 dated 16.08.2023
2. U.O Note No. IQAC/ SMNRI/ 2023 dated 18.01.2024
3. U.O Note No. IQAC/ SMNRI/ 2023 dated 06.04.2024
4. U.O No. CUSAT/ PL(UGC).A5/ 2308/ 2024 dated 03.06.2024
5. Minutes of the meeting of SMNRI Project Evaluation Committee [SPEC] held on 10.06.2024 & 11.06.2024
6. U.O No.CUSAT/ PL(UGC).A5/ 1299/ 2023 dated 20.03.2023

ORDER

Proposals from the newly recruited faculties of various Departments/Schools/Centres in the University were called for, vide paper read as (1) above for submitting projects under Seed Money New Research Initiatives, during 2023-24. In its response, eleven newly recruited faculties submitted their project proposals which were subjected to scrutiny by the IQAC core committee at its meeting held on 11.01.2024. After assessment, proposals of ten faculties were recommended by the IQAC Core Committee for approval during the current financial year. A project presentation of the recommended faculties were made before the SMNRI Project Evaluation Committee [SPEC], constituted vide paper read(4) above, on 10.06.2024 & 11.06.2024. After reviewing the presentation, SPEC recommended to accept the proposals of nine faculties and finalized allocation of grant to each of them.

Considering the above and the recommendations of the Finance Officer, the Vice Chancellor has accorded sanction for the approval of nine projects and its total budget allocation of ₹17.57 lakhs as shown in Appendix, towards the scheme "Seed Money for New Research Initiatives(SMNRI) 2024-25".

The respective faculties shall draw the amount shown for 1 year in the Appendix as advance during this financial year(2024-25), and the remaining during the next financial year.

The selected faculties have to strictly follow the SMNRI Guidelines, communicated vide paper read at (6) above, and are directed to complete the entire procedures within the project period, as stipulated. In addition to the above, the faculties shall ensure compliance of the following conditions in implementing the projects :

1. The project will be deemed to have commenced w.e.f the date of this UO.

2. The completion of the project will strictly be in accordance with the Guidelines of SMNRI (Ref. 6 above).
3. The SMNRI project will be in project mode and the faculty concerned will be the Principal Investigator of the project, who shall draw the advance sanctioned.
4. To withdraw the first installment grant of ₹12.87 lakhs by these 9 faculties during this FY itself, and the remaining ₹4.70 lakhs during the next FY.
5. Purchase of laptops/computers are not permitted under the project, unless otherwise sanctioned specifically. Instead, the Principal Investigators may make use of the same available at their respective Departments/Schools/Centre.
6. The respective faculty shall settle the advance drawn, by strictly adhering to the conditions stipulated in the Guidelines, after drawing the full amount in the subsequent financial year/s by using a single adjustment bill, with proper bills and vouchers, and necessary Certificates.

The concerned Principal Investigator should ensure that bills submitted in this regard, meeting the expenditure from the Head of Account: "1-98-0-U-1-017 Research Seed Money for young teachers" be routed through the Planning & Development Officer for countersignature and for effective monitoring of fund utilization.

Orders are therefore issued accordingly.

Zaida K M *
PLANNING AND DEVELOPMENT
OFFICER

To:

1. The Faculties concerned - through the Head of the Department
2. The Head/Director of the Department / School /Centre's concerned
3. The Joint Director, Kerala State Audit Department
4. The Director, IQAC
5. The Joint Registrar (Finance) / The Deputy Registrar (Admn . I)
6. The Assistant Registrar (Cash /Finance /Audit /Accounts)
7. Audit D/ Accounts I/ I A&I/ Admn.-D/ Cash-A/Payroll-B Sections
8. Statistical Officer/ CIRM.Webmaster
9. PS to VC / PS to PVC / PA to Registrar / PA to FO
10. File Copy / Office Copy

* This is a computer generated document. Hence no signature is required.

SMNRI 2024 -25

SI No.	Name, Designation & Department	Title of the Project	Sanctioned Allocation(In ₹)				
1	Dr. Sreedevi E.P Assistant Professor Department of Statistics	Modeling and analysis of cure data with different patterns of incompleteness	SI No.	Heads of Expenditure	I Year	II Year	Total
			1	Travel(within India)	25,000	25,000	50,000
			2	Contingencies (up to 5%)	20,000	20,000	40,000
			3	Books and Journals	50,000	-	50,000
			Grand Total		95,000	45,000	1,40,000
2	Dr. Mohammed Noohu Nazeer Assistant Professor Department of Marine Geology and Geophysics	Monitoring the environmental health of coastal Ernakulam using microfossil as a proxy: A case study implying Sedimentological and hydrological parameters	SI No.	Heads of Expenditure	I Year	II Year	Total
			1	Consumables	15,000	15,000	30,000
			2	Travels(Within India)	25,000	25,000	50,000
			3	Contingencies (up to 5%)	10,000	10,000	20,000
			4	Equipments	1,00,000	-	1,00,000
			Grand Total		1,50,000	50,000	2,00,000
3	Dr. Selvia Kuriakose Assistant Professor Department of Marine Geology & Geophysics	Exploring machine learning (ML) techniques for Satellite image fusion for hyperspectral and multispectral images	SI No.	Heads of Expenditure	I Year	II Year	Total
			1	Consumables	25,000	25,000	50,000
			2	Travels(Within India)	25,000	25,000	50,000
			3	Contingencies (up to 5%)	20,000	20,000	40,000
			4	Software for data analysis	50,000	-	50,000
			Grand Total		1,20,000	70,000	1,90,000

4	Dr. Ajees A P Assistant professor Department of Computer Science	An AI based solution for real-time intruder detection using CCTV surveillance videos					
			SI No.	Heads of Expenditure	I Year	II Year	Total
			1	Consumables	10,000	10,000	20,000
			2	Travels(Within India)	20,000	20,000	40,000
			3	Laptop	80,000	-	80,000
			Grand Total		1,10,000	30,000	1,40,000
5	Dr. Beena Mary John Assistant Professor Department of Ship Technology	Physical model studies on the wave-structure interaction of Cylindrical structures subjected to regular waves					
			SI No.	Heads of Expenditure	I Year	II Year	Total
			1	Travels(Within India)	10,000	10,000	20,000
			2	Contingencies (up to 5%)	5,000	5,000	10,000
			3	Equipments	2,40,000	-	2,40,000
			Grand Total		2,55,000	15,000	2,70,000
6	Dr. Haseena K A Assistant Professor Department of Ship Technology	Model Based Adaptive Controller for Maximize the Energy Efficiency of Oscillatory Surge based Wave Energy Converter					
			SI No.	Heads of Expenditure	I Year	II Year	Total
			1	Travels(Within India)	10,000	10,000	20,000
			2	Equipments	1,00,000	1,00,000	2,00,000
			3	Procurement of data acquisition system on Rental Basis	50,000	-	50,000
			Grand Total		1,60,000	1,10,000	2,70,000
7	Dr. Shailesh S Assistant Professor Department of Computer Science	Preservation and Revitalization of Theyyam Cultural Heritage through Intelligent Computational Framework using AI					
			SI No.	Heads of Expenditure	I Year	II Year	Total
			1	Travels(Within India)	10,000	10,000	20,000
			2	Contingencies (upto 5%)	5,000	5,000	10,000
			3	Work Station	1,22,000	-	1,22,000
			4	Digital Camera	25,000	-	25,000
			Grand Total		1,62,000	15,000	1,77,000


8	Dr. Poornima S Assistant Professor Department of Electronics	Performance Investigation of Sub-band Full Duplex Technology for 5G and Beyond.					
			SI No.	Heads of Expenditure	I Year	II Year	Total
			1	Travels(Within India)	15,000	15,000	30,000
			2	Contingencies (up to 5%)	20,000	20,000	40,000
			3	Work Station	1,00,000	-	1,00,000
			Grand Total		1,35,000	35,000	1,70,000
9	Dr. Sheena M. A Assistant Professor Department of Hindi	<i>"Samakaleen Hindi aur Malayalam Upanyasom mein Krishak jeevan ka yatharth"</i>					
			SI No.	Heads of Expenditure	I Year	II Year	Total
			1	Books and Journals	50,000	50,000	1,00,000
			2	Travels(Within India)	25,000	25,000	50,000
			3	Contingencies (up to 5%)	25,000	25,000	50,000
			Grand Total		1,00,000	1,00,000	2,00,000
<u>TOTAL</u> I Year - ₹ 12.87 lakhs II Year - ₹ 4.70 lakhs							

നവാൽസ്

നവാൽസിൽ അധ്യാപകർക്കു സീഡ് മണി നൽകുന്ന പതിവില്ല.

ശ്രീ ശങ്കരാചാര്യ സംസ്കൃത സർവകലാശാല

സർവകലാശാല ബജറ്റിൽ സീഡ് മണി തുക വകയിരുത്തിയിട്ടുണ്ടെങ്കിലും 2020-21 സാമ്പത്തിക വർഷം മുതൽ നാളിതുവരെ പ്രോജക്ടുകൾ ലഭ്യമാകാത്തതുകൊണ്ട് തുക അനുവദിച്ചിരുന്നില്ല.


എസ്.പി. രാമചന്ദ്രൻ

കേരള സർവകലാശാല

1. Dr. Sajna A, Assistant Professor & Principal Investigator, Department of History-- One laptop-Rs.37000/-
2. Dr. A.Riyaz, Assistant Professor, Department of Statistics-One Laptop- Rs.62,422/-
3. Dr.Sujith Babu S, Assistant Professor, Department of Psychology- One Laptop- Rs.49,490/-
4. Dr.T.K Santhosh Kumar, Assistant Professor, Department of Malayalam- One Laptop- Rs.49600/-

കാലിക്കറ്റ് സർവകലാശാല

ക്രമ നം	അധ്യാപകരുടെ പേര്	പ്രോജക്ടിന്റെ പേര്	അനുവദിച്ച തുക	ചെലവഴിച്ച തുക	വാങ്ങിയ ഉപകരണങ്ങൾ
1	ഡോ . അജയ് മോഹൻ എം., ഫിലോസഫി വിഭാഗം	An Inquiry into Davidson's notion of Language	2,40,000	1,93,542	printer - 17,789 Laptop - 55,952
2	ഡോ .അലി നാഫൽ കെ., അറബിക് വിഭാഗം	Research Theses in Arabic Submitted to the University of Calicut -An Analytical study of the Topics and Methodology adopted by the Research Scholars	3,00,000	പ്രോജക്ട് കാലാവധി തീരുന്ന മുറയ്ക്ക് മാത്രമേ വിവരം ലഭ്യമാകുകയുള്ളൂ	printer- 24,995 Laptop- 59,078
3	ഡോ.അന ജോസഫ്, ബയോടെക്നോളജി വിഭാഗം	Expression studies of matrix metalloproteinases and their inhibitors in the hyperinsulinemic and diabetic patients: Identifying potential biomarkers for cataract	3,00,000	പ്രോജക്ട് കാലാവധി തീരുന്ന മുറയ്ക്ക് മാത്രമേ വിവരം ലഭ്യമാകുകയുള്ളൂ	-
4	ഡോ. ഡെറി ഹൊളാഡെ, രസതന്ത്ര വിഭാഗം	Exploring Receptor Applications of Dipyrromethene Derived Supramolecular Hybrids	2,45,000	2,44,976	-
5	ഡോ.സന്തപ് എം. എസ്., സാമ്പത്തിക ശാസ്ത്രം	The Impact of Covid 19 on Food Consumption Pattern Among Rural Households In Kerala	1,45,000	1,45,000	Printer -19,988 Laptop- 47,152
6	ഡോ. പ്രിയലേഖ എൻ .എസ്., റഷ്യൻ ആൻഡ് കമ്പാരറ്റീവ് ലിറ്ററേച്ചർ	COVID - 19: Cultural Response in Kerala	1,55,000	1,55,000	printer - 20,598 Laptop - 54,056

7	ഡോ.രഞ്ജിത്ത് രാജൻ, സംസ്കൃതം വിഭാഗം	DHVANVANTARISAMHITA OF GARUDAPURANA: A STUDY	1,55,000	1,54,417	printer - 20,200 Laptop- 44,217
8	ഡോ. .കൃഷ്ണറാണി എസ്. ഡി., സ്റ്റാറ്റിസ്റ്റിക്സ് വിഭാഗം	Spatio-temporal statistical models and their applications	3,00,000	പ്രൊജക്ട് കാലാവധി തീരുന്ന മുറയ്ക്ക് മാത്രമേ വിവരം ലഭ്യമാകുകയുള്ളൂ	Laptop - 92,675
9	ഡോ .ജിബിൻ വി .കെ., വിദ്യാഭ്യാസ വിഭാഗം	Impact Of Covid- 19 Pandemic On Education Equity, Social Life And Mental Health of Secondary Stage Students In Kerala	2,30,000	2,30,000	laptop- 36,106 printer - 28,498
10	ഡോ .ശ്രീഷ സി. എച്ച്., കോമേഴ്സ് വിഭാഗം	Impact of Merger of SBI and Associates	3,00,000	പ്രൊജക്ട് കാലാവധി തീരുന്ന മുറയ്ക്ക് മാത്രമേ വിവരം ലഭ്യമാകുകയുള്ളൂ	Printer- 33,107
11	ഡോ .ദൃശ്യ കെ., ഭൗതികശാസ്ത്ര വിഭാഗം	Probing the metallicity dependence of the i- process: High resolution	2,37,500	12,37,500	printer - 11,500 Hard disc - 9,794
12	ഡോ. പ്രഭാകരൻ ഹെബ്ബാർ ഇല്ലത്ത്, ഹിന്ദി ഭാഷ വിഭാഗം	Concept of freedom in the contemporary Hindi Poetry	2,50,000	2,50,000	-
13	ഡോ . കെ.പി ദീപ്താ ലത, സസ്യശാസ്ത്ര വിഭാഗം	Studies on the genus Hygrocybe and allied genera (gilled- mushrooms) of Kerala	2,35,000	2,34,949	Laptop - 53,567 printer - 18,389
14	ഡോ . മമ്മമൻ എം.ആർ., ചരിത്ര വിഭാഗം	Revisiting Mattannur Revolt, 1852-2022: Textual Narratives and Social Memories	2,94,000	1,88,439	Laptop - 51,620
15	ഡോ . മനോജ് പ്രവീൺ ജി., വിദ്യാഭ്യാസ വിഭാഗം	Effect of Schema Based Problem Solving on the understanding of problem solving processes in Physics among Prospective Teachers	3,00,000	പ്രൊജക്ട് കാലാവധി തീരുന്ന മുറയ്ക്ക് മാത്രമേ വിവരം ലഭ്യമാകുകയുള്ളൂ	Printer SSD Monitor- 49,900 Tablet computer- 68,800
16	ഡോ.രാജീവ് എസ്. മേനോൻ, രസതന്ത്ര വിഭാഗം	Investigations on the unique transformations of unsaturated sulfones for the rapid construction of	3,00,000	പ്രൊജക്ട് കാലാവധി തീരുന്ന മുറയ്ക്ക് മാത്രമേ വിവരം ലഭ്യമാകുകയുള്ളൂ	-

		antitumor alkaloids and analogues			
17	ഡോ.കെ.വി. പ്രസന്ന, ഫിലോസഫി വിഭാഗം	Women and Philosophy in India: A Study on the Systematic Forms of Exclusion in Academics	2,35,000	1,33,688	Printer-17,790 Laptop-55,952
18	ഡോ.സാജിത് എം.എ., ഇംഗ്ലീഷ് സാഹിത്യം	The Representation of Tourette Syndrome in Select Works	2,75,000	പ്രൊജക്ട് കാലാവധി തീരുന്ന മുറയ്ക്ക് മാത്രമേ വിവരം ലഭ്യമാകുകയുള്ളൂ	Printer-18,350
19	ഡോ.മുനീർ ബാബു എം., സാമ്പത്തിക ശാസ്ത്രം	An Empirical Study of Productivity Change and its Determinants in Manufacturing Sector During Post Reforms Period	1,35,000	1,34,988	Printer-19988 Laptop-47,152
20	ഡോ. മുനീർ ജി.പി., അറബിക് വിഭാഗം	Tracing translation as a medium of cultural integration: An analytical study of fictions translated from Arabic to Malayalam and Vice Versa	1,80,000	1,24,141	Laptop-49,074
21	ഡോ.നടാഷ പി., കോമേഴ്സ് വിഭാഗം	Stock Market Efficiency of SAARC Nations before and during Covid-19: A Comparison	2,50,000	പ്രൊജക്ട് കാലാവധി തീരുന്ന മുറയ്ക്ക് മാത്രമേ വിവരം ലഭ്യമാകുകയുള്ളൂ	Printer - 33,107
22	ഡോ.പ്രമോദ് സി., സസ്യശാസ്ത്ര വിഭാഗം	Floristic and Ecological Studies on the Kalliad Laterite Plateau of Northern Kerala, South India	2,25,000	2,23,881	Laptop- 49,078 Printer - 14,850
23	ഡോ. രീഷ കാരളളി., വിദ്യാഭ്യാസ വിഭാഗം	Life Skill Education and Training: Development of Activity Package for Children of Special Homes	1,90,000	1,90,000	Lap top -46,934 Printer- 17,278
24	ഡോ. ഷിബി സി., ഹിന്ദി ഭാഷ വിഭാഗം	Origin and development of Hindi in Malabar:- Special reference to Kozhikode and Malappuram districts.	2,05,000	1,92,146	Laptop- 50,000
25	ഡോ.മുബീന ടി., ഗണിതശാസ്ത്ര വിഭാഗം	A study on Homeomorphisms of certain spaces	1,95,000	1,13,630	Laptop-98,850
26	ഡോ. പ്രസാദ് ടി., ഗണിതശാസ്ത്ര വിഭാഗം	Operators in Hilbert space of Holomorphic Functions and	2,05,000	1,33,104	Laptop- 98,550

		spectral theory			
27	ഡോ.നീതുലാൽ വി., സൈക്കോളജി വിഭാഗം	Development and validation of a mental health literacy promotion program for college teachers	1,65,000	1,58,408	Laptop - 58,408
28	ഡോ.റോയ് മോൻ ജോസഫ്, രസതന്ത്ര വിഭാഗം	Supramolecular Systems as a Toolkit for the Sensing of Amino Acids and Peptides	4,73,530	4,73,510	Hot plate with magnetic stirrer +vacuum pump - 59,956
29	ഡോ.ഷിബു ഇ.എസ്., നാനോ സയൻസ് ആൻഡ് ടെക്നോളജി	Photo-Switchable Nanoprobes for Reversible Surface-Enhanced Raman Scattering (SERS)/Tip-Enhanced Raman Scattering (TERS)	3,54,000	3,54,000	Rotary evaporator - 3,54,000
30	ഡോ. ബിനിത എൻ.എൻ., രസതന്ത്ര വിഭാഗം	"Green Fabrication of Layered MoS2/Graphene Hybrid Electrodes for a Wide Potential Window Flexible Supercapacitors"	3,00,000	പ്രൊജക്ട് കാലാവധി തീരുന്ന മുറയ്ക്ക് മാത്രമേ വിവരം ലഭ്യമാകുകയുള്ളൂ	Magnetic stirrer - 5,192 Bath sonicator - 34,810 Battery testing equipment - 1,99,997
31	ഡോ.ഷംല കെ. എം., ഇംഗ്ലീഷ് സാഹിത്യം	"The Aesthetics of Protest: A Study of Shirin Neshat's Visual Art",	2,75,000	പ്രൊജക്ട് കാലാവധി തീരുന്ന മുറയ്ക്ക് മാത്രമേ വിവരം ലഭ്യമാകുകയുള്ളൂ	Printer - 21,919 Laptop - 71,840
32	ഡോ. സതീഷ് പി., ചരിത്ര വിഭാഗം	A Social History of Indigenous and Western Medicine in Colonial Kerala	2,05,000	2,05,000	
33	ഡോ.റജുല ഹെലൻ കെ .പി., സാമ്പത്തിക ശാസ്ത്രം	Accessibility of Maternal Health Care Services and Its Impact Among Tribal Mothers During Covid-19 Pandemic in Palakkad District, Kerala	1,65,000	1,65,000	Laptop - 47,152 Printer - 19,988
34	ഡോ. സുരഭി എം.എസ്., സ്കൂൾ ഓഫ് ഡ്രാമ	"Introduce advanced makeup techniques to students with the help of different makeup institutions"	2,25,000	2,25,000	Laptop - 49,074 Hair drier - 4,375
35	ഡോ. മഞ്ജു സി. നായർ, സസ്യശാസ്ത്ര വിഭാഗം	Bryophyte Diversity of Kuttiady Churam in the Western Ghats of	3,00,000	പ്രൊജക്ട് കാലാവധി തീരുന്ന മുറയ്ക്ക് മാത്രമേ വിവരം ലഭ്യമാകുകയുള്ളൂ	Microscope - 1,94,700

		Kozhikode District, Kerala		ലഭ്യമാകുകയുള്ളൂ	
36	ഡോ.സുജ ടി.ഡി., രസതന്ത്ര വിഭാഗം	Design and Synthesis of Truncated Analogues of Antitumor Natural Products Aimed at the Development of New and Improved Anticancer Therapeutics	4,65,000	4,61,607	Vacuum pump – 30,450 Hot plate – 24,450
37	ഡോ.മഹേഷ് എസ്, ഹിന്ദി ഭാഷ വിഭാഗം	समकालीन हिन्दी कविता में पारिस्थिति क मनोविज्ञान: एक अध्ययन	1,60,000	1,17,739	Laptop– 50,000
38	ഡോ. എൻ.എ ശിഹാബ്, സംസ്കൃതം വിഭാഗം	Sukasandesakavyam of Lakshmidasa commentary of Vanchimaharaja	1,65,000	1,65,000	Laptop– 51,783 Printer–17,268
39	ഡോ.റഞ്ജിത എ.പി, സൈക്കോളജി വിഭാഗം	Identifying and addressing the unmet needs of students of higher education: A youth participatory action research	1,75,000	1,75,000	Laptop– 56,016
40	ഡോ.ദിലീപ് കുമാർ എം., സ്റ്റാറ്റിസ്റ്റിക്സ് വിഭാഗം	Quantile Based Reliability Models and their Applications	1,85,000	1,54,111	Hard disc– 5,281 Pendrive– 1680 Printer– 24,499
41	ഡോ. ശ്രീകല, റഷ്യൻ ആന്റർ കമ്പാരറ്റീവ് ലിറ്ററേച്ചർ	"Gandhi and Tolstoy: Their message to Humanity “.	1,45,000	1,40,966	Laptop– 59,383
42	ഡോ.ശ്യാമിലി സി., ലൈബ്രറി ഇൻഫർമേഷൻ സയൻസ്	Inclusion through including Indigenous Language: A study of Language Issue in Primary Education and Role of Libraries in reducing the Barrier among the Tribes of Wayanad, Kerala"	1,85,000	1,85,000	Laptop– 56,566 Printer– 8,434
43	ഡോ. അനീഷ് ഇ. എം., ജന്തുശാസ്ത്ര വിഭാഗം	Uncovering the species diversity and evolutionary perspectives of the synanthropic mites in Wayanad district of Kerala, India	2,90,000	2,83,111	Stereomicroscope– 41,500 Autoclave– 24,000 Micropipette– 21,060 Electronic weighing machine – 19,470 Incubator – 4500

44	ഡോ. ബിനു ആർ., ജന്തുശാസ്ത്ര വിഭാഗം	Spatial Learning, reference & recognition memory in adult Zebrafish	2,90,000	2,89,683	Autoclave –24,300 Refrigerator– 22,183 Digital camera – 2,17,200
45	ഡോ. സിന്ധു കെ., ജന്തുശാസ്ത്ര വിഭാഗം	Mechanical force mediated differentiation therapy of breast cancer cells	2,90,000	2,89,314	Printer – 15,757 Refrigerator– 29,302
46	ഡോ.സിന്ധു എസ്., നാനോ സയൻസ് ആൻഡ് ടെക്നോളജി	“The Development of Multifunctional Nanostructured Electrode Materials and the Assembly of Electrochromic Supercapacitors”	3,00,000	പ്രൊജക്ട് കാലാവധി തീരുന്ന മുറയ്ക്ക് മാത്രമേ വിവരം ലഭ്യമാകുകയുള്ളൂ	Centrifuge – 24,949 Magnetic stirrer –23,780 Ultrasonic bath sonicator– 24,708
47	ഡോ. രശ്മി എൽ., സസ്യശാസ്ത്ര വിഭാഗം	Nucleotide diversity analysis of drought responsive genes in banana	2,30,000	2,29,898	Laptop – 54,673 Printer–18,511
48	സന്ദീപ് കുമാർ, സ്കൂൾ ഓഫ് ഡ്രാമ	Remapping Theatre to make an inclusive and intersectional space in campuses for LGBTIQ+ students.	2,03,000	2,03,000	–
49	ഡോ. ഫസലുറഹ്മാൻ കെ., രസതന്ത്ര വിഭാഗം	Sustainable Fuels from the Sun and Ambient Air	2,59,600	2,59,600	Xe arc light source with optics –2,59,600
50	ഡോ. എൽ. ദിവ്യ, ജന്തുശാസ്ത്ര വിഭാഗം	Understanding polyphenism through a transcriptomic approach in social hymenopterans.	3,00,000	പ്രൊജക്ട് കാലാവധി തീരുന്ന മുറയ്ക്ക് മാത്രമേ വിവരം ലഭ്യമാകുകയുള്ളൂ	Deep freezer – 24,994
51	ഡോ .വിജിഷ കെ രാജൻ, നാനോ സയൻസ് ആൻഡ് ടെക്നോളജി	Molecular Modeling and Screening of potential Metal– Polyphenol based Frameworks (MPFs) for Gas Storage –Separation –Removal and Catalytic applications – A Computational approach	2,60,000	2,57,179	High performance computer– 2,35,004 Printer–22,175
52	ഡോ.ദിവ്യ കെ., റഷ്യൻ ആൻഡ് കംപാരറ്റീവ് ലിറ്ററേച്ചർ	“Archiving the Literature and Cultural Events of Tribal Communities in Wayanad and Malappuram”	1,60,000	1,59,670	Laptop–67,500
53	ഡോ.അഷിത എം ചരിത്ര വിഭാഗം	“Rituals, Globalization and Interculturality: A Study of	1,72,000	1,72,000	Desktop computer–53,909


		the Practice and Performance of Kalaripayattu in India"			Printer-9,600
54	Dr. Nuaiman .K.A , ജേർണലിസം ആൻഡ് മാസ്റ്റ് കമ്മ്യൂണിക്കേഷൻ	Writing Cultures in the Malabar Coast: The Library of Dar al Ifta al Azhariyya, Chaliyam	1,95,000	-	-
55	ഡോ.സാവിത്രി, ഫിലോസഫി വിഭാഗം	A Study based on Abhidhamma Pitaka	2,55,000	2,55,000	Laptop-55,952 Printer-17,790
56	ഡോ.വിപിൻ എം., സ്കൂൾ ഓഫ് ഡ്രാമ	Tracing Psychological preparation in "Thirayattam" Performer - A study on performative work and the work of the performer'sinner life"	2,50,000	2,50,000	-
57	ഡോ.റോബിൻ ഇ.ജെ., ഫിലോസഫി വിഭാഗം	The Point of Writing: Possibility of Phenomenological Psychopathology and Basheer's Writings	2,55,000	1,27,262	Printer- 15,598
58	ഡോ.മഞ്ജു എം.പി., മലയാളം വിഭാഗം	keraleeyamrigachi kithsaparambhary am:	2,03,269	2,03,569	Laptop-64,431
59	ഡോ.അപർണ ടി., മലയാളം വിഭാഗം	ജീവിതവും സംസ്കാരവും : കളനാടി വിഭാഗക്കാരെ മുൻനിർത്തിയുള്ള പഠനം	2,05,000	2,03,000	-
60	ഡോ.ഷഹനാ വി.ഡി., മലയാളം വിഭാഗം	ചലച്ചിത്രപഠനം നവീനസാധ്യതകളും പരിമിതികളും	1,50,000	1,50,000	Laptop- 40,990 Printer - 14,900
61	ഡോ. സുഹൈൽ കെ. പി., ഭൗതികശാസ്ത്ര വിഭാഗം	Microswimmers in Anisotropic Liquid	2,60,000	2,59,884	Micropipette - 34,500 Refrigerator- 15,498 Hot plate and magnetic stirrer- 5,900 Laptop-64,098
62	ഡോ.ഗായത്രി ഓ.കെ., സംസ്കൃതം വിഭാഗം	Samkhyasara of Vijnanabhiksu an analytical study.	1,85,000	1,85,000	Laptop-53,990 Printer-21,000
63	ഡോ. ലജിഷ് വി.എൽ., കമ്പ്യൂട്ടർ സയൻസ്	Studies on Deep Learning Models for Malayalam Fake News Detection on Social Media	2,99,000	പ്രൊജക്ട് കാലാവധി തീരുന്ന മുറയ്ക്ക് മാത്രമേ വിവരം ലഭ്യമാകുകയുള്ളൂ	Laptop- 2,56,000

കസാറ്റ്

ക്രമ നം.	അധ്യാപകരുടെ പേര്	വാങ്ങിയ ഇനം	അനുവദിച്ച തുക
1	Sayuj K.P	Work Station	From the fund allocated under the head "Equipment"
2	PraveenC.S Mohamed Aneen P	Work Station	₹700000/-
3	Harikrishnan S	Desktop Computer	Not Exceeding One Lakh
4	Dr. Sreekala P.P	High End computer	₹100000/-(Equipment)
5	Dr. Abesh Reghuvaran	Work Station	Not Exceeding ₹125000/-
6	Favas T.K	High End Work Station	₹100000/-
7	Akram P.A	High End Work Station	₹110000/-
8	Dr. Vinod P	Work Station	₹200000/-
9	Vishnukumar	Work Station	₹200000/-
10	Rafida Rehiman K.A	Work Station	₹200000/-

ഇഞ്ചിനെടുത്തപ്പൻ മലയാള സർവകലാശാല

മലയാള സർവകലാശാലയിൽ അധ്യാപകർക്ക് ലാപ്ടോപ്പ് കമ്പ്യൂട്ടർ വാങ്ങുന്നതിന് സീഡ് മണി പ്രോജക്ട് പ്രകാരം അനുമതി നൽകിയിട്ടില്ല.


 ഹെൽപ്പ് ഓഫീസ്

കേരള സർവകലാശാല

കേരള സർവകലാശാലയിൽ എല്ലാവരും സമയപരിധിയുള്ളിൽ പ്രോജക്ടുകൾ പൂർത്തീകരിച്ചിട്ടുണ്ട്.

എം.ജി. സർവകലാശാല

എം.ജി. സർവകലാശാലയിൽ നിലവിൽ ഉള്ള സീഡ് മണി കൈപ്പറ്റിയ എല്ലാ അധ്യാപകരും രണ്ടു വർഷത്തിനുള്ളിൽ തുക വിനിയോഗിച്ചിട്ടുണ്ട്.

കാലിക്കറ്റ് സർവകലാശാല

ഡോ.നായ് മാൻ കെ എ (Dr. Nuaiman K.A), അസിസ്റ്റന്റ് പ്രൊഫസർ, മാസ്റ്റ് കമ്മ്യൂണിക്കേഷൻ ഓഫീസ് ജേർണലിസം.

കണ്ണൂർ സർവകലാശാല


കണ്ണൂർ സർവകലാശാലയിലെ പ്രോജക്ടുകൾക്ക് രണ്ടു വർഷ സമയപരിധി പൂർത്തിയായിട്ടില്ല.

കസാറ്റ്

Sl. No.	Name & Department of Faculty	Project Duration
SMNRI 2020-21		
1	Dr.Sreekanth P M Dept.of Biotechnology	09.03.2021 to 08.09.2023
2	Dr.Abesh Reghuvaran C-Sis	09.03.2021 to 08.09.2024
3	Dr. Prasad V V Dept. Of Physics	09.03.2021 to 08.11.2023
4	Dr. Tathagatha Banerjee Dept. Of Mathematics	09.03.2021 to 08.03.2024
5	Dr.Aparna Lakshmanan S Dept. Of Mathematics	09.03.2021 to 08.03.2024
6	Dr. Shankar P Dept. Of Mathematics	09.03.2021 to 08.03.2024
7	Dr.Tanushree Pandit Dept. Of Mathematics	09.03.2021 to 08.09.2024
8	Sri. Mohammed Ashiqu Dept. Of Ship Technology	09.03.2021 to 08.07.2023
9	Sri. Anoop Chitrasenan Dept. Of Ship Technology	09.03.2021 to 08.09.2024
10	Sri. Aravind K R	09.03.2021 to 08.03.2024

	Dept. Of Ship Technology	
11	Dr. Shaiju P C-SiS	09.03.2021 to 08.09.2024
12	Dr. Ancy V P School of Industrial Fisheries	09.03.2021 to 08.03.2024
13	Dr. Ginson Joseph School of Industrial Fisheries	09.03.2021 to 08.06.2024
14	Dr. Riju C Issac Dept. Of Physics	09.03.2021 to 31.12.2023
15	Dr. Amaldev T Dept. Of Marine Geology & Marine Geophysics	09.03.2021 to 08.03.2024
16	Sri. Naveen P U Dept. Of Marine Geology & Marine Geophysics	09.03.2021 to 08.03.2024
17	Dr. Honey H Das Dept. Of Marine Geology & Marine Geophysics	09.03.2021 to 08.03.2024
SMNRI 2021-22		
18	Dr. Shan Dev P P Dept. Of Applied Chemistry	23.02.2022 to 22.08.2024
19	Dr. Sayuj K P Dept. Of Biotechnology	23.02.2022 to 22.02.2025
20	Dr. Meera Prathapan School of Management Studies	23.02.2022 to 22.02.2025
21	Dr. Daly Poulouse Meppurath School of Management Studies	23.02.2022 to 22.02.2025
SMNRI 2022-23		
25	Dr. Harikrishnan S Assistant Professor Division of Mechanical Engineering, School of Engineering	25.08.2022 to 24.02.2025
26	Dr. Deepika M.P Assistant Professor Dept. of Computer Applications	25.08.2022 to 24.02.2025
27	Sri. Shibin S.P Assistant Professor NCAAH	25.08.2022 to 24.08.2025

കാലയളവിൽ ലിസ്റ്റിൽ ഉൾപ്പെട്ട SMNRI2020-21 പ്രൊജക്ട് ലഭിച്ച എല്ലാവരും പ്രൊജക്ട് പൂർത്തീകരിച്ചിട്ടുണ്ട്.


നവദീപ്ത രാമചന്ദ്രൻ