

**PART :III EARMARKED FUNDS - DETAILED ESTIMATES OF EXPENDITURE 2020-2021**

<b>Accounts 2018-2019</b>	<b>Budget Estimates 2019-2020</b>	<b>Revised Estimates 2019-2020</b>	<b>E-Code</b>	<b>Detailed Heads</b>	<b>Budget Estimates 2020-2021</b>
<b>MH : 80 A : GRANTS FROM STATE GOVERNMENT</b>					
5400244	12500000	10000000	9 7003	K S C S T E Fellowships	15000000
0	600000	600000	9 7004	KSCSTE Post Doctoral Fellowship in Bio-Technology	500000
0	600000	300000	9 7005	Aspire Scholarships	100
0	500000	250000	9 7008	SPEED IT scholarships	500000
2020140	3500000	3500000	9 7009	KSCSTE Emeritus Scientist Scheme	3500000
6212991	6500000	6000000	9 7051	N.S.O/N.S.C Schemes	6500000
142695	1500000	500000	9 7110	Refund of unspent balance of grants on schemes sponsored by Govt. of Kerala	2000000
0	100	100	9 7122	Kinematics of Achencovil Shear Zone, Kerala	0
0	100	100	9 7135	Microbial Single Cell Protein for Juvenile Fish	0
0	400000	200000	9 7162	M.Phil in Bio-Informatics programme (KSITM)	400000
0	200000	100000	9 7164	Bio-Diversity, Bio-Activity and Chemical Ecology of Marine Sponges of Kerala and adjacent coasts	200000
0	100000	50000	9 7167	Conservation & Chemical Gene prospecting of Rare Endangered Threatned medicinal plants	100000
0	800000	400000	9 7176	Biological sequence analysis using chaos game theory (KSCSTE - SARD project)	800000
0	100000	50000	9 7184	Marine Bio-Diversity Informatics for Kerala	100000
0	50000	25000	9 7194	Application of isotopic techniques in assessing the sedimentation rate and pattern in the vellayani fresh water lake, tvn	50000
0	100	100	9 7200	Construction of post metric hostel for SC/ST Girls	0
0	600000	300000	9 7203	Development of Monoclonal antibodies and polyclonal antibodies for tumor antigen(AFP) - Alphafeto protein for the development of ELISA based indigenous immunodiagnostic kits	600000
0	100000	50000	9 7204	River bank mapping of vamanapuram river	100000
0	20000	10000	9 7216	Workshop on precambrian Platetectonics in Southern India	20000
0	45000	15000	9 7217	Recent biochemical approaches in therapeutics	45000
0	100000	50000	9 7218	Development of Holographic lens to use in conjunction with solar cells	100000
44301	50000	50000	9 7219	Synthesis of diphenolic-bis-2-aminothiazoles as novel antioxidants	50000

**PART :III EARMARKED FUNDS - DETAILED ESTIMATES OF EXPENDITURE 2020-2021**

<b>Accounts 2018-2019</b>	<b>Budget Estimates 2019-2020</b>	<b>Revised Estimates 2019-2020</b>		<b>E-Code</b>	<b>Detailed Heads</b>	<b>Budget Estimates 2020-2021</b>
0	100000	50000 9	7221	Indo-Slovenia conference on Graph Theory and Application (Indo - Slove 2013)	100000	
5263	100	6000 9	7226	Conservation strategies and in vitro production of anthraquinones in Gynochthodes umbellate(L) Razafim & B.Bremes (Rubiaceae) - a potential dye yielding plant	100	
0	100	0 9	7227	DNA barcoding Venam gland transcriptomics and proteomic analysis of major venomous snakes of Kerala region	0	
(14664)	0	0 9	7228	Identification of time course analysis of micro RNAs of Black pepper (Piper Nigum L)in response to viruses involved in stunted disease an expression of amiRNA for stable virus	0	
0	200000	100000 9	7229	Tectonic signature and PGE potential of Gabbroic Rocks in the moyar- Bhavani and Achankovil shear zone, Kerala	200000	
20000	20000	20000 9	7231	World Environment Day	20000	
0	400000	200000 9	7233	Design and Development of Catalytic electrodes for electrochemical and biochemical generation of hydrogen and electricity	400000	
0	100000	138200 9	7234	Scientific valuation of kashayams used in rheumatoid Arthritis(RA)	150000	
0	500000	250000 9	7235	Identification and validation of potential Micro RNA Biomarkers in Primary Cicatrical Alopecia	500000	
0	100	100 9	7238	National workshop on Human Rights Dimensions of Intellectual Property Right	0	
50000	50000	50000 9	7239	Biomonitoring of Veli - Akkulam lake using aquatic insects	50000	
0	100	100 9	7240	Baseline survey of Knowledge,Attitude and Practices(KAP) of the Citizens of Kerala	0	
0	850000	400000 9	7241	Taxonomy, Diversity,Venom characterisation and Environmental impacts of Jelly Fish blooms along Kerala Coast	850000	
472003	400000	432500 9	7242	Granitoids in the Attappadi Valley and their role in building continental crust in the early earth	100	
0	100	100 9	7243	National seminar on Analysis	0	
0	100	100 9	7244	Solid waste management and awareness programme	0	
150000	150100	150100 9	7245	International Conference on Statistics for Twenty First Century(ICSTC)	150000	
0	100	100 9	7246	International Conference on Algorithms and Discrete Applied Mathematics	0	
0	75000	25000 9	7247	International Symposium on comparative endocrinology and Integrative physiology(CEIP 2015)	75000	

**PART :III EARMARKED FUNDS - DETAILED ESTIMATES OF EXPENDITURE 2020-2021**

<b>Accounts 2018-2019</b>	<b>Budget Estimates 2019-2020</b>	<b>Revised Estimates 2019-2020</b>		<b>E-Code</b>	<b>Detailed Heads</b>	<b>Budget Estimates 2020-2021</b>
0	100	100 9	7248	National seminar on recent trends in the tectonics	0	
0	100	100 9	7249	Petrology and structure of the metamorphic rocks along achankovil shear zone, Southern Kerala	0	
0	100	100 9	7250	77th Session of Indian History Congress	0	
0	100000	50000 9	7251	Establishment of the functional material laboratory	100000	
0	100	100 9	7252	BioTechnology training and workshop programme	0	
0	100	100 9	7253	Environment Management Training	0	
0	100	100 9	7254	National Seminar on Omics and Biomarker Analysis: In Disease Pathology (2nd Edition) & Young Investigators Retreat	0	
0	100	100 9	7255	Regional Finals of Famelab at Thiruvananthapuram	0	
0	100	100 9	7256	International Conference on Statistics for 21st Century (ICSTC 2016)	0	
0	800000	800000 9	7257	Injectable biopolymer hydrogels laden with select phytochemicals for neural tissue engineering	1000000	
0	150000	150000 9	7258	Documentary Film on the Travancore Observatory	150000	
0	1000000	500000 9	7259	Micro RNA 9 regulation of neuro regeneration: a potential therapeutic strategy for ischemic stroke	1000000	
1310200	1000000	1000000 9	7260	Functional Magneto- di electric materials for microwave applications	1000000	
820700	1000000	1000000 9	7261	Collection, Characterisation and Propagation of Garcinia Gummy - Gutta (L) Robs	1000000	
0	37500	0 9	7262	National Workshop on Patent Law, Standards, Procedures and Litigation	38000	
41535	41600	41600 9	7263	National Seminar on Photonics and it's Application	41700	
80000	80000	80000 9	7264	National Seminar on Recent Trends in Statistical Theory and Applications	80000	
752400	1700000	0 9	7265	Roll of Mitochondrial K- ATP Channel in Neuroprotection in Parkinsons Disease Model and it's Theraputic Response to the Plant Withania Somifera and Morus Alba	900000	
80000	80000	80000 9	7266	National Conference on Discrete and Computational Mathematics	80000	
60000	0	0 9	7267	National seminar on Modern Trend in conservation of genetic resources	0	
0	0	779000 9	7268	Petrogenesis of mafic and ultramafic Rocks of Wayanad,Kannur and Kasaragod districts,Kerala implications for Archean Crustal Evolution and metallogeny.	909000	

**PART :III EARMARKED FUNDS - DETAILED ESTIMATES OF EXPENDITURE 2020-2021**

<b>Accounts 2018-2019</b>	<b>Budget Estimates 2019-2020</b>	<b>Revised Estimates 2019-2020</b>		<b>E-Code</b>	<b>Detailed Heads</b>	<b>Budget Estimates 2020-2021</b>
0	0	914000	9	7269	Identification and source characterisation of arsenic contamination in ground water resources of Kasargode,Wayanad and Trivandrum Districts,Kerala,India	519000
<b>17647808</b>	<b>37101000</b>	<b>29668000</b>	<b>Total of :80 A GRANTS FROM STATE GOVERNMENT</b>			<b>39878000</b>
<b>MH : 80 B : GRANTS FROM THE UGC</b>						
2394148	42000000	10000000	9	7301	U.G.C Research Fellowships	15000000
0	35000	35000	9	7303	U.G.C National Fellowship	35000
0	500000	250000	9	7305	U.G.C Research Associateships	500000
0	30000	30000	9	7309	UGC Visiting Associateship	30000
0	100000	100000	9	7310	UGC Research Fellowship/Associateship/ Assistance to Departments	100000
0	40000	40000	9	7312	Emeritus Fellowship	100
0	200000	200000	9	7313	Visiting Professors	200000
2907130	5000000	4000000	9	7314	UGC Research Award	5000000
0	3000000	1500000	9	7315	Rajiv Gandhi National fellowship for SC candidates	3000000
0	400000	200000	9	7317	Post Doctoral Fellowship for SC / ST candidates	400000
0	100	100	9	7318	Dr.D.S.Kothari Postdoctoral Fellowship	100
2018632	3500000	3500000	9	7321	UGC Research Fellowship in Sciences to Meritorious Students	3500000
0	3500000	2000000	9	7322	Maulana Azad National fellowship for minority students	3500000
82043	100000	0	9	7324	Raman Post Doctoral fellowship	100
0	836000	400000	9	7325	PG Diploma in knowledge management under innovative programme Teaching and Research in Inter disciplinary and emerging areas during XI Plan	400000
0	100	100	9	7353	Publication of Research Work including Doctoral Thesis	0
0	0	100	9	7358	College Development Council	100
0	100	100	9	7369	Centre for Women's Studies	100
0	100	100	9	7371	UGC Award of Research Scientists	100
179471	1500000	1500000	9	7372	Refund of unspent balance on grants sponsored by UGC	2000000
0	100	100	9	7409	UGC Team Visit	100
0	2000000	2000000	9	7454	Financial assistance to the Dept. of Aquatic Biology & Fisheries (SAP)	1000000
582672	800000	800000	9	7457	Financial Assistance to the Dept. of Maths (SAP)	300000
4028000	1300000	1300000	9	7458	Financial Assistance to the Dept. of Geology (SAP)	1000000
0	2000000	2000000	9	7460	Financial Assistance to the Department of Zoology (SAP)	2500000

**PART :III EARMARKED FUNDS - DETAILED ESTIMATES OF EXPENDITURE 2020-2021**

<b>Accounts 2018-2019</b>	<b>Budget Estimates 2019-2020</b>	<b>Revised Estimates 2019-2020</b>		<b>E-Code</b>	<b>Detailed Heads</b>	<b>Budget Estimates 2020-2021</b>
(94951)	1500000	1000000	9	7463	Financial Assistance to the Dept. of Economics(SAP)	0
0	2000000	1000000	9	7464	Financial Assistance to the Dept. of Political Science (SAP)	3000000
0	100	100	9	7470	Dept. of Psychology - Innovative Programmes Teaching & Research in Tnterdisciplinary and Emerging areas	100
0	100	100	9	7472	Synthesis and characterisation of Gold Nanoparticles for Plasmonic Applications	100
54172	100	100	9	7473	Trophic Modeling and Biodiversity Assessment of Fresh Water Lakes in Kerala for Conservation and Sustainable Management	100
51930	100	159000	9	7475	The Genus Abelmoschus Medic (Malvaceae) in peninsular India: Its distribution, inter-and-specific diversity and relationships	100
0	23000	23000	9	7476	Generalisation of confluent hypo-geometric distribution	100
0	8000	8000	9	7479	Study of cultural and architectural expression of public spaces	7000
0	100	100	9	7480	Technobiographics, representation of the other in Dalit autobiographics	100
0	100	100	9	7481	Sanskrit-Malayalam dictionary	100
0	100	100	9	7482	A study on foreign trade in principal agricultural products under WTO regime with special reference to kerala	100
0	100	100	9	7485	Environmental degradation assessment of fresh water lake in kerala, southwest india with special reference to conservation and management	100
0	100	100	9	7486	Habitat preference and documentation of fish diversity of vellayani lake,tvpm dist, kerala	100
0	100	100	9	7487	Impact of Fundamentalism on Muslim youth in kerala-role of islamic organisation	100
0	100	100	9	7488	Influence of humanism in the theatrical world of P.J. Thomas and G.Sankara pillai	100
0	100	100	9	7489	Design and development of a multimedia resource for teaching and learning of ready reference/sources in english	100
0	100	100	9	7490	Contribution of Kerala to vedanta darsana	100
0	100	100	9	7491	Sociolinguistics study of malayalis in Delhi	100
0	100	100	9	7492	Legal regulation of hospitals in the private health care sector(study with reference to kerala)	100
0	100	100	9	7493	PG degree course under the scheme of Human rights education under the Dept of Law	100

**PART :III EARMARKED FUNDS - DETAILED ESTIMATES OF EXPENDITURE 2020-2021**

<b>Accounts 2018-2019</b>	<b>Budget Estimates 2019-2020</b>	<b>Revised Estimates 2019-2020</b>	<b>E-Code</b>	<b>Detailed Heads</b>	<b>Budget Estimates 2020-2021</b>
666000	100	100 9	7494	Centre for canadian studies - Area studies programme	100
1418859	2500000	1500000 9	7497	Financial Assistance to Institute of English(SAP)	2500000
11000	100	100 9	7500	Studies on the assessment of air quality in the surroundings of KMML industrial area and the Health impact of air pollution on the residents of Chavara, Kollam Dist, Kerala	100
0	11000	11000 9	7500A	Taxonomy, diversity & seasonal variation of aquatic insects of Kallar stream in Western ghats, Kerala	100
0	100	100 9	7500B	Global economic crisis,return,emigration & economic consequences in Kerala	0
0	100	100 9	7500C	Privatisation of Education & Empowerment of Minority communities - A case study of Muslim community in Kerala	0
0	100	100 9	7500D	Creation and Maintenance of a lexical resource for Malayalam language	0
0	100	100 9	7500E	Impact of EVR Periyar and Narayana Guru on life, literature and society	0
0	100	100 9	7500F	A study to formulate steps to improve the credibility of Indian Journals	0
0	232100	232100 9	7500G	Synthesis and characterisation of reactive graft co-polymers of densified cellulose with functional ligands for use as supports in enzyme immobilisation and metal ions update	100
0	100	100 9	7500H	Environmental constraints faced by adolescents belonging go Outlier community of Kerala - an analysis	0
0	100	100 9	7500J	Capacity building for women Managers in Higher Education	0
0	100	100 9	7500L	Bridging the digital divide in India through the Human rights development: problems and prospects	0
0	100	100 9	7500M	National interdisciplinary seminar on realisation of Socio-Economic rights	0
0	100	100 9	7500N	Evaluation propagation and inveteoproduction of antheaequinones from rubia cordifoliaL	0
0	100	100 9	7500O	Identification of Cell Matrix interaction during chloride cell migration in fish gills	0
0	100	100 9	7500P	Estimation of inequality in the power model	0
0	100	100 9	7500Q	Relevance of women characters of Bhasa in Modern Age	0
0	17500	17500 9	7500R	Moving extreme ranked ser sampling and its application in parametic estimation	100
44154	86400	86000 9	8751	The Study of mountain landscape and tribal lore of Kerala and it's correlation with Tamil Sangam Classics	86100

**PART :III EARMARKED FUNDS - DETAILED ESTIMATES OF EXPENDITURE 2020-2021**

<b>Accounts 2018-2019</b>	<b>Budget Estimates 2019-2020</b>	<b>Revised Estimates 2019-2020</b>		<b>E-Code</b>	<b>Detailed Heads</b>	<b>Budget Estimates 2020-2021</b>
0	100	100	9	8753	Contribution of theatre schools to theatre in Kerala, Karnataka and Tamilnadu with special reference to Malayalam Theatre	0
0	100	100	9	8754	Communication problems of the mentally challenged children	0
0	42500	42500	9	8758	Resistance literature against Portuguese Colonialism: Contribution of the Makhdums of Kerala	42500
0	100	100	9	8760	Studies on the molecular mechanism of antiinflammatory activity of the active principle of Oryza Sativa Linn(njavara) Tricin on various inflammatory models	100
0	489000	200000	9	8762	Modulation of reverse cholesterol transport by Butea monosperma bark extract in diabetes mediated atherosclerosis	400000
58429	100	100	9	8763	Impact of long term applications of pesticides on soil microbial activity and bioprospecting potential pesticide degrading bacteria from the cardamon plantation soils of Idukki District, Kerala	100
0	129600	129600	9	8764	Eco and Ethno aesthetics of the folk literature and performance of Kerala	100
0	100	100	9	8765	Nutrient influx and phytoplankton dynamics on Meenachil river and their impact on productivity of Vembanad lake, Kerala, India.	100
12001	100	100	9	8767	Perceived social distance and interpersonal relationships of Dalit students in Kerala State	100
0	343000	343000	9	8769	Social cost of development - A case study of displaced women in Kerala	343000
0	81900	81900	9	8770	Deterministic modeling of the underlying dynamics of surface wind speed fluctuations with applications to Grid connected wind power generation	82000
87362	540000	540000	9	8771	A study of Eco- Aesthetics and culture depicted in the contemporary Hindi & Malayalam Poetry	100
0	0	0	9	8772	UGC BSR Research startup Grant for newly recruited faculty at Asst. Professor level in Science department	1400000
5417206	6000000	6000000	9	8774	UGC faculty Recharge Programme	4000000
294400	73100	73100	9	8775	Maritime Security of India :The coastal security challenges and policy options	73100
304400	76100	76100	9	8776	Issues of marginalisation and Role of the State : A study of the marine fisher -folk of kerala	76000
0	71600	71600	9	8777	Economics of Higher Education in Kerala: A focus on expansion Efficiency and equity	71600

**PART :III EARMARKED FUNDS - DETAILED ESTIMATES OF EXPENDITURE 2020-2021**

<b>Accounts 2018-2019</b>	<b>Budget Estimates 2019-2020</b>	<b>Revised Estimates 2019-2020</b>		<b>E-Code</b>	<b>Detailed Heads</b>	<b>Budget Estimates 2020-2021</b>
2112000	2600000	2600000	9	8779	Ecosystem service assessment and mapping for sustainable management of wetlands in Kerala -India	900000
0	0	0	9	8780	Indian an its parts:Present and past	100
0	0	16400	9	8781	SWAYAM Examination	100
<b>22629058</b>	<b>83670000</b>	<b>44070000</b>		<b>Total of :80 B GRANTS FROM THE UGC</b>		<b>51450000</b>
<b>MH : 80 C : GRANTS FROM GOVERNMENT OF INDIA</b>						
6992510	9000000	9000000	9	7502	Inspire Fellowships	10000000
23413327	25000000	20000000	9	7551	Comprehensive Scheme on study of the cost of Cultivation of Principal Crops in Kerala	25000000
8710388	10000000	10000000	9	7553	Population Research Centre	10000000
0	1500000	1000000	9	7558	Refund of unspent balances of grants on schemes sponsored by Government of India	2000000
0	550000	200000	9	7615	Improvement of S & T infrastructure in the Dept. of Zoology under DST-FIST programme	550000
0	100	100	9	7630	Financial assistance to the Dept.of Geology	100
0	100	100	9	7631	Financial assistance to the Dept.of Mathematics (DST / FIST)	100
0	70000	70000	9	7645	Monitoring harmful algal bloom and phycotoxins along South-west coast of India	70000
0	1000000	500000	9	7645A	Monitoring harmful algalbloom in the EEZ	1000000
0	100	100	9	7652	6th PAC Meeting of Animal Science at University of Kerala	0
0	83200	83200	9	7654	Conservation strategies Pharmacological evaluation of Utleria Salicifolia Hook. F. and endangered ethnomedicinal plant of Western Ghats	83200
0	1300000	600000	9	7657	Financial assistance to Department of Computer Science	1300000
0	400000	200000	9	7659	Safe & Effective Water Harvesting site selection model based on critical slope analysis using remote sensing	400000
993800	1000000	1000000	9	7662	Establishment of Bio-Informatics infrastrucure facility for the promotion of Biology teaching through Bio-informatics	1000000
0	100	100	9	7664	CGRex - An open source Bio Sequence Tool	0
0	100	100	9	7668	Metric Graph Theory and Application (DST)	0
0	100	100	9	7671	Temporal Relations of dykes in the shear zones of Kerala and their Tectonic implications (DST)	0
0	1000000	500000	9	7674	Bio conjugation of Nano materials and their application in Cancer Therapy	1000000
0	100	100	9	7676	Advanced level training course on Arthropod Endocrine Research	0
0	700000	350000	9	7679	Molecular characterisation & proteomic expression of insect JHAMT GENE	700000



**PART :III EARMARKED FUNDS - DETAILED ESTIMATES OF EXPENDITURE 2020-2021**

<b>Accounts 2018-2019</b>	<b>Budget Estimates 2019-2020</b>	<b>Revised Estimates 2019-2020</b>		<b>E-Code</b>	<b>Detailed Heads</b>	<b>Budget Estimates 2020-2021</b>
0	100	100 9	7684	Development of a facilitator mechanism and seed bank facility for sea weed farming through empowerment of self help groups from coastal communities in Kerala	0	
0	100	100 9	7685	Organisation of Skill Development training programme through Science and Technology	0	
0	100	100 9	7686	Development of pb-free glass-ceramic composite for barrier rib of plasma display panel	0	
0	100000	50000 9	7689	Gamma radiation impact assessment at proteomic and genomic level in representative arthropod fauna	100000	
0	100	0 9	7696	Science camp under INSPIRE Internship component of INSPIRE programme	0	
0	100	0 9	7697	Geo-Environmental analysis of Vellayani lake Kerala, S.W. India with special reference to conservation and management	0	
0	100	0 9	7698	Award of travel grant	0	
0	400000	200000 9	7699	Financial assistance to Department of Statistics(DST)	400000	
0	100	100 9	7700	Financial assistance for organizing International conference on Groupoids, Semigroups & Automata(DST)	100	
0	344000	100000 9	7700B	On 4 graphs and the remoteness function on 4 graphs (DAE)	300000	
0	100	0 9	7700E	Metric graph theory and graphs products	0	
23484000	47000000	23500000 9	9251	PURSE programme	23300000	
0	100000	50000 9	9253	Design and development of low repetition rate and high pulse energy fibre laser based on large mode area fibre and photonic crystal fibre for laser cleaning application	100000	
0	400000	200000 9	9254	Cue from chemical defense of Indian Echinoderms to derive anticancer and immunomodulatory molecules	400000	
0	700000	350000 9	9255	Biodiversity, DNA barcoding & Phylogeny of commercially valuable marine molluscs of India	700000	
0	100	100 9	9256	Excavation work at Vizhinjam, Trivandrum(Dist)	0	
201600	201600	100000 9	9257	Biocomposite based orthopedic implants from shrimp waste and marine algae	100	
0	100	100 9	9258	Emerging trends in Indian Aqua culture etia 2013	0	
0	100	100 9	9259	Indo Slovenia conference on Graph theory and Applications	100	
0	5000000	5000000 9	9260	Centre of excellence for Training and Research in Area of Science and Technology	5000000	
0	100	100 9	9261	Symposium on sustainable management of Biodiversity using Science and Technology	100	

**PART :III EARMARKED FUNDS - DETAILED ESTIMATES OF EXPENDITURE 2020-2021**

<b>Accounts 2018-2019</b>	<b>Budget Estimates 2019-2020</b>	<b>Revised Estimates 2019-2020</b>		<b>E-Code</b>	<b>Detailed Heads</b>	<b>Budget Estimates 2020-2021</b>
0	150000	150000	9	9262	Publication of Heritage journal of multidisciplinary studies in Archaeology	150000
0	100	100	9	9263	International seminar on India's foreign Policy strategies through the 21st century	100
0	400000	400000	9	9264	Transit functions Betweenness and community structure	400000
0	600000	300000	9	9265	Enhanced degradation of synthetic textiles dyer in constructed wetland system using Aquatic weeds	100000
0	600000	600000	9	9266	Role of Nitric oxide in the stress response of fish	100
584063	900000	584100	9	9268	Environmental Isotope Investigation to assess surface water Ground water interactions in Karamana	300000
0	1200000	1200000	9	9269	Diversity of Benthic Communities and their response to organic carbon sedimentation in the Vembanad estuary, a tropical Ramsar site in Kerala, India	1200000
4559094	3025000	3025000	9	9270	Development of Alternative Sustainable Fish feeds to Promote Human health using novel non- conventional indigenous ingredients	3025000
7383025	3400000	3400000	9	9271	Evaluating Costs and Benefits of Prophylactic Health Products and Novel alternatives on Small holder aqua culture farmers in Asia and Africa (IMA Qualate)	3400000
1586000	1000000	1000000	9	9272	Evaluate the disruption of Cholesterol Homeostasis on Hair follicle Cycling and StemCell functions in alopecia	0
15100000	100	100	9	9273	Financial Assistance to the Department of Biochemistry under FIST Programme	3100000
1263000	100	0	9	9274	Development of Cold sintered di electrics for electronic applications	1716000
<b>94270807</b>	<b>117126000</b>	<b>83714000</b>		<b>Total of :80 C GRANTS FROM GOVERNMENT OF INDIA</b>		<b>96795000</b>

**MH : 80 D : GRANTS FROM OTHER AGENCIES**

0	1000000	1000000	9	7701	CSIR Scholarships and Researchfellowships	5000000
563000	1000000	1000000	9	7703	ICSSR Fellowships	3000000
0	300000	300000	9	7705	ICHR Fellowships	500000
0	0	0	9	7707	Rashtriya Sanskrit Samsthan Scholarships	100
387926	1000000	500000	9	7709	ICMR Fellowships	1000000
0	200000	200000	9	7713	Emeritus Scientistships (CSIR)	200000
0	500000	500000	9	7715	AICTE Scholarships	500000
0	200000	200000	9	7717	ICPR Fellowships	200000
0	300000	300000	9	7718	BINC Fellowships	200000
0	200000	200000	9	7719	C. V. Raman International Fellowships	200000
5183065	6000000	6000000	9	7720	SERB National Post Doctoral Fellowship	6000000
0	0	460000	9	7721	Asuthosh Mookerjee Fellowship	500000

**PART :III EARMARKED FUNDS - DETAILED ESTIMATES OF EXPENDITURE 2020-2021**

<b>Accounts 2018-2019</b>	<b>Budget Estimates 2019-2020</b>	<b>Revised Estimates 2019-2020</b>		<b>E-Code</b>	<b>Detailed Heads</b>	<b>Budget Estimates 2020-2021</b>
0	0	90000	9	7722	ICSSR Short Term Doctoral Fellowship	0
0	0	680000	9	7723	Ramanujan Fellowship(SERB)	0
0	100000000	70000000	9	7751	Lumpsum provision for new Research Schemes	100000000
1685531	1500000	1500000	9	7776	Refund of unspent balance of grants sponsored by other agencies	2000000
4196231	0	486700	9	7828	Salary to staff of CACEE	0
0	27000	27000	9	7848	A study on abortions in Kerala - A qualitative assessment	27000
0	329000	329000	9	7853	An evaluation of Women ICT based projects in Kerala and its viability in other states of India	329000
0	100	100	9	7855	Second Research co-ordination meeting of the FAO/IAEA co-ordinator(IAEA)	0
0	400000	400000	9	7862	Molecular Endocrine model mechanism of insect metamorphosis and JH acid as the key regulator	400000
0	100	100	9	7865	External evaluation of Virudhunagar District	0
0	100	100	9	7875	Including the Excluded - A need analysis to identify the infrastructural and technological aspects to make higher education in kerala disabled friendly	0
0	100	100	9	7876	Erasmus mundus - External co-operation window - LOT 15 (LUND University)	0
0	500000	500000	9	7878	Studies on the regression of alcohol induced toxicity(ICMR)	500000
1445360	6000000	6000000	9	7880	Scholar in residence program under Erudite scheme	6000000
0	50000	50000	9	7884	Preparation of a field guide on Marine Animals of Kerala Coast(Kerala state bio-diversity board)	50000
0	100	100	9	7886	Development grant for IDE(IGNOU)	0
0	100000	50000	9	7887	Rejuvenation of ponds to revive the water environment of problematic blocks of Kerala: A spatial information system and accomplishment plan for Trivandrum and Kollam District(Environment Management agency Kerala)	100000
0	100	100	9	7888	Environmental degradation of Cherthala-Aroor-Edakochi Coastal belt due to sea food processing and its environmental management (Environment management agency Kerala)	0
0	100	100	9	7889	Water quality assessment of fresh water aquatic systems in Kerala state using Benthic Macro invertebrates (Central pollution control board)	0
0	200000	100000	9	7894	Computer lab in Competency Training Centre	200000

**PART :III EARMARKED FUNDS - DETAILED ESTIMATES OF EXPENDITURE 2020-2021**

<b>Accounts 2018-2019</b>	<b>Budget Estimates 2019-2020</b>	<b>Revised Estimates 2019-2020</b>	<b>E-Code</b>	<b>Detailed Heads</b>	<b>Budget Estimates 2020-2021</b>
0	100	100 9	7898	Inculcate Science Propagation Programme	100
0	100000	50000 9	7899	Development of monoclonal antibodies and polyclonal antibodies for tumor antigen AFP for development of ELISA based indigenous immunodiagnostic kits	100000
0	100000	50000 9	7901	Development of a musically adapted multimedia package to foster improvement in the social skills of trainable mentally challenged persons	100000
0	100000	50000 9	7905	Symposium on sustainable management of Biodiversity using Science and Technology	100000
0	100	100 9	7906	Comparitive endocrinology and stress physiology	0
155359	50000	65500 9	7911	Travel Grant	50000
0	100	100 9	7912	Biomonitoring of specific pathogen in selected water resources in Trivandrum city	0
0	100	100 9	7914	Biomonitoring of pollution status of the lower reaches of Karamana river basins in Trivandrum using selected riparian plants	0
0	100	100 9	7916	Diversity of sulphur reducing bacteria and hydrogen sulphide production in polluted estuaries of Trivandrum District	0
25000	100	100 9	7919	Vakkam Muhammed Abdul Khadar maulavi memorial lecture	100
0	100000	50000 9	7920	Implication of Development induces displacement:Experience from Kerala	100000
0	100	100 9	7921	Setting up workstation for Research on Micro data from Census	0
0	25000	25000 9	7922	Bioinformatics National Certificate Examination(BINC)	25000
0	100	100 9	7923	Teaching of Sangam classics in UG & PG level	0
0	100	100 9	7924	Research methodology course for Ph.D students	0
0	100	100 9	7925	Number theory and Ramanujan's contribution	0
0	100	100 9	7926	Impact of Tholkapiyam on the traditional grammar of Malayalam	0
0	1000000	1000000 9	7927	Bio systematic and Ecology of sub family Chloropinac (Diptera: Chloropidac of India and Study of Species and Genetic complexes using Molecular Techniques)	1000000
0	100	100 9	7929	Emerging trends in Indian Aqua culture - Etia 2013	0
0	100	100 9	7930	Effect of Music on embryonic development - A study on avian model	0
(66082)	100000	50000 9	7931	Entrepreneurship Development cell	0
0	100	100 9	7932	Three day workshop for receiving the scheme and syllabi of BA Arabic( Private and JDE)	0

**PART :III EARMARKED FUNDS - DETAILED ESTIMATES OF EXPENDITURE 2020-2021**

<b>Accounts 2018-2019</b>	<b>Budget Estimates 2019-2020</b>	<b>Revised Estimates 2019-2020</b>		<b>E-Code</b>	<b>Detailed Heads</b>	<b>Budget Estimates 2020-2021</b>
0	1000000	1000000	9	7933	Financial assistance to department of Environmental Sciences	1000000
0	550000	550000	9	7934	Synthesis of a library of 2,3 - dihydrofuran derivatives - potential candidates for showing antimicrobial activity	550000
0	800000	400000	9	7936	Identification and Functional analysis of acid base regulations during stress response in a fresh water air-breathing fish Anabas testudineus	800000
0	100	100	9	7937	Research Methodology in Social Sciences	0
0	100	100	9	7938	All India Survey on Higher Education	0
0	100	100	9	7939	Indo - Slovenia Conference on Graph Theory and applications	0
0	100	100	9	7940	Modern Kerala - Readings in Socio- Cultural and Politico- Economic History	0
0	100	100	9	7941	16th all India conference of cytology and genetics and National Symposium on Gene, Environment and Health	0
0	100	100	9	7942	Eco system, conservation, climate change and sustainable Development (ECOCASD 2013)	0
0	500000	250000	9	7943	Spaces of Political protests in India, competition, Conflict and Co-operation between party and non party organizations	250000
0	100	100	9	7944	Evaluation study of MGNREGS	0
0	100	100	9	7945	Implementation of Prof. B. Hridayakumari Committee Report (CBCSS)	0
0	100	100	9	7946	Harappan & Regional chalcolithic culture of greater India region - An International conference on Indus civilisation	0
0	100	100	9	7947	SAARC international workshop on online newspaper archiving	0
0	100	100	9	7948	Enhancing International programmes & Activities	0
0	25000	23000	9	7949	Gender disparities in Academic opportunities	25000
0	100	100	9	7950	Research methodology course for Ph.D Course	0
0	100	100	9	7951	Workshop on research methodology	0
0	100	100	9	7952	Semester India Programme	0
37945	100	100	9	7953	Studies on the impact of repeated pesticide application on soil microbial activity and screening of organo phosphorus pesticide degrading bacteria	0
0	200000	100000	9	7954	Feedback study on VICTER - Tele Education Network at Kerala	100000
0	100	100	9	7955	Retentions of Sangam traditions in Malayalam language and literature	0

**PART :III EARMARKED FUNDS - DETAILED ESTIMATES OF EXPENDITURE 2020-2021**

<b>Accounts 2018-2019</b>	<b>Budget Estimates 2019-2020</b>	<b>Revised Estimates 2019-2020</b>		<b>E-Code</b>	<b>Detailed Heads</b>	<b>Budget Estimates 2020-2021</b>
0	100	100	9	7956	International Conference on Eco system, Conservation, climate change and sustainable development (ECOCASD 2013)	0
0	1300000	600000	9	7957	Synthesis and reaction of Vicinel Tricarbonyl Compounds and Related System	600000
0	15000	15000	9	7958	Career award for Young teachers( CAYT)	15000
0	100	100	9	7959	Grammatical Theories in Tamil and Malayalam : Tradition to Modern	0
0	100	100	9	7960	National Seminars on Asian Rebalancing and changing dimensions of Indo- US Relations	0
188485	500000	500000	9	7962	Micro RNAs in essential Hypertension: Understanding the role of SNPs in miRNA binding sites in 3 UTRs of target candidate genes influencing blood pressure	500000
0	100	100	9	7963	Protection and promotion of human rights in India	0
0	400000	200000	9	7964	Designing inexpensive transition metal catalysts for C-Z (Z=S, Se and Te ) boad formation using atom economy addition reaction : A Computational Investigation	400000
0	100	100	9	7966	XXXVI Annual Conference of Indian Association for the study of Population	0
0	500000	250000	9	7967	Advanced photon flux density measurements for photonic info- energy transfer detection	250000
0	100	100	9	7968	36th Intenational Conference of Linguistic Society of India	0
20000	0	0	9	7969	36 Annual Conference of the Indian Association for the study of population (IASP) on Population, Health and Development	0
0	100	100	9	7970	Seed bank and conservation of plant diversity and wild crop diversity	0
0	200000	200000	9	7971	Dietary fat related histone modifications relevant to inflammation	200000
0	100	100	9	7972	Laboratory for Earth Resource information system (LERIS)	0
0	150000	70000	9	7974	Classical aspects of Tamil and Malayalam Languages	70000
0	50000	50000	9	7976	Gender gap to Innovation and Disparity in STEM Education: An Enquiry into their Linkages in University of Kerala	50000
0	43400	43400	9	7978	Novel inorganic double perovskites	43400
0	300000	300000	9	7979	The coastal security of India: A study on the role of coastal community	300000
0	900000	400000	9	7981	Survey and Mapping of Exotic fresh water biodiversity in Kerala using Geographic Information System	500000

**PART :III EARMARKED FUNDS - DETAILED ESTIMATES OF EXPENDITURE 2020-2021**

<b>Accounts 2018-2019</b>	<b>Budget Estimates 2019-2020</b>	<b>Revised Estimates 2019-2020</b>		<b>E-Code</b>	<b>Detailed Heads</b>	<b>Budget Estimates 2020-2021</b>
900000	1525000	900000	9	7987	Nanomaterials Based Biosensing for Detecting Hypoxia and Induction of Angiogenesis	625000
800000	900000	550000	9	7988	Glass free Magneto- Dielectric Materials for LTCC Applications	2570000
366076	1000000	366100	9	7989	A Systematic Study on the Landslides on Valles Marineres Using data of varying Resolution and Scales	814500
0	100000	100000	9	7991	Multi Dimensional research on Population Ageing in Kerala	100000
1088000	1400000	700000	9	7992	GIAN Programme	100
0	380000	380000	9	7993	Development of comprehensive species datasheets for Indian marine molluscus	380000
0	100000	100000	9	7994	New frontiers in Cytogenetics and XII Conference of the society of Cytologists and Geneticists	100000
0	100	100	9	7996	Silver jubilee celebrations of Canadian Studies	0
588000	850000	850000	9	7997	Anti or proinflammatory effects of dietary pulses	850000
108303	0	0	9	7998	One Basic Training Programme on Human Rights	100
10000	0	0	9	9751	Combating Corruption : The Discourse of Developmental Democracy vis-a-vis Bureaucracy	100
0	0	0	9	9752	National Young Leaders Award -NSS	100
20000	0	0	9	9753	Gender at the intersection of identity and community: viewing the landscape of culture in a changing world	100
25000	0	0	9	9754	Rights of Dalits, Tribals and Religious minorities	100
150000	150000	150000	9	9755	Production and supply of Quality seedlings of selected Medicinal Plants	150000
180000	0	0	9	9756	Maritime Archaeology with special reference to Indian Ocean Countries	100
900000	750000	750000	9	9757	Studies on the Molecular Mechanism of Self- incompatibility in Ananas Comosus (L) Merr	750000
69000	0	0	9	9759	Pre- Poll By - election survey in Chengannur Constituency	100
25000	0	0	9	9760	Workshop on Biofloc Technology	100
200000	50000	50000	9	9761	Technological Scaffold to visually challenged students at Higher Secondary level in Kerala	50000
220000	440000	440000	9	9762	Study on certain Hyper-poisson related distribution	440000
1070600	1200000	856500	9	9763	Ortho paedic Tissue Engineering - Repair injured Rabbit tendon	1558000

**PART :III EARMARKED FUNDS - DETAILED ESTIMATES OF EXPENDITURE 2020-2021**

<b>Accounts 2018-2019</b>	<b>Budget Estimates 2019-2020</b>	<b>Revised Estimates 2019-2020</b>		<b>E-Code</b>	<b>Detailed Heads</b>	<b>Budget Estimates 2020-2021</b>
1811950	1800000	1800000	9	9764	Bio prospecting Barcoding and invitro culturefor sustainable utilisation of two selected RET listed medicinal plants Piper barberi and Smilax wightii	1215500
150000	0	0	9	9765	National Seminar on Challenges of Human Rights in the 21st Century and Sustainable Development Goals	100
220000	0	0	9	9766	Axiomatics of Betweenness in Discrete structures	440000
75000	0	0	9	9767	Workshop on Quality Research and Knowledge creation	100
58719832	0	0	9	9768	Agro Ecology : "Action Research and Education; India - Norway Co-operation"	100
711249	0	0	9	9769	INSPIRE Faculty Research Grant	100
250798	0	0	9	9770	Awareness Programme on NAAC Accrediation	100
20000	0	0	9	9771	Evaluation cost and benefits of Prophylactic Health products	100
591748	0	1151100	9	9772	Next Food: Educating the next generation of professionals in the agrifood systems.	500000
264000	0	0	9	9774	Inventory & Evaluation of spread Ecology of the Riverine flora of Achankovil river basin,Kerala.	66000
449400	0	0	9	9775	Studies on Invasive Alian Plant Species in the flood affected areas of Karthikappally Taluk,Alappuzha District.	112500
456000	0	0	9	9776	Assessment of native and exotic inchthyodiversity status of River Bharathpuzha,Periyar and Pamba	114000
0	0	110000	9	9777	Concurrent Evaluation on National Food Security Act	50000
0	0	126000	9	9778	Significant Challanges in Academics as perceived by Visually Challenged Students of Secondary Schools.	189000
0	0	882000	9	9779	Unravelling submarine Ground Water Discharge(SGD)zones along the Indian Sub continent and its islands (Mission-SGD)"PILOT STUDY"	100000
0	0	150000	9	9780	Provectus Plantae 2019-International Conference on exploring the scope of Plant Genetic Resources.	0
0	0	220000	9	9781	Bayesian density,estimation using ranked set sampling.	440000
0	0	50000	9	9785	National Seminar	0
0	0	360000	9	9786	Linkages between STEM Education and STEM employment: An inquiry into identifying skill gaps and policy distortions	540000



**PART :III EARMARKED FUNDS - DETAILED ESTIMATES OF EXPENDITURE 2020-2021**

<b>Accounts 2018-2019</b>	<b>Budget Estimates 2019-2020</b>	<b>Revised Estimates 2019-2020</b>	<b>E-Code</b>	<b>Detailed Heads</b>	<b>Budget Estimates 2020-2021</b>
0	0	101300	9 9787	Technology integration and pedagogy for the visually challenged students at Higher Secondary level in Kerala: A study on the provisions and their expectations	50000
0	0	400000	9 9788	Decisive factors of college success in the midst of quality intervention of RUSA	600000
0	0	458300	9 9789	Experiential learning with Indian Educators collecting local data to share with Politicians and Scientists	100
0	0	19500	9 9790	Scientific Identification and Documentation of Trees in Pangode Military Station .	100
0	0	100000	9 9791	The Geo-Politics of Indo-Pacific:Perceptions,Opportunities and Challenges	100
<b>84261776</b>	<b>139464000</b>	<b>109290000</b>	<b>Total of :80 D GRANTS FROM OTHER AGENCIES</b>		<b>146841000</b>
<b>218809449</b>	<b>377361000</b>	<b>266742000</b>	<b>TOTAL OF III : EARMARKED FUNDS</b>		<b>334964000</b>