

**PART :III EARMARKED FUNDS - DETAILED ESTIMATES OF EXPENDITURE 2022-2023**

<b>Accounts 2020-2021</b>	<b>Budget Estimates 2021-2022</b>	<b>Revised Estimates 2021-2022</b>	<b>E-Code</b>	<b>Detailed Heads</b>	<b>Budget Estimates 2022-2023</b>
<b>MH : 80 A : GRANTS FROM STATE GOVERNMENT</b>					
2310278	1000000	3500000	9 7003	K S C S T E Fellowships	5000000
0	100	100	9 7004	KSCSTE Post Doctoral Fellowship in Bio-Technology	0
0	100	100	9 7005	Aspire Scholarships	0
0	500000	500000	9 7008	SPEED IT scholarships	0
1388000	3500000	3500000	9 7009	KSCSTE Emeritus Scientist Scheme	3500000
3780647	6500000	6500000	9 7051	N.S.O/N.S.C Schemes	6500000
669393	2000000	2000000	9 7110	Refund of unspent balance of grants on schemes sponsored by Govt. of Kerala	2000000
0	400000	200000	9 7162	M.Phil in Bio-Informatics programme (KSITM)	0
0	200000	100000	9 7164	Bio-Diversity, Bio-Activity and Chemical Ecology of Marine Spongs of Kerala and adjacent coasts	0
0	100000	100000	9 7167	Conservation & Chemical Gene prospecting of Rare Endangered Threatned medicinal plants	0
0	800000	400000	9 7176	Biological sequence analysis using chaos game theory (KSCSTE - SARD project)	0
0	100000	48000	9 7184	Marine Bio-Diversity Informatics for Kerala	0
0	50000	50000	9 7194	Application of isotopic techniques in assessing the sedimentation rate and pattern in the vellayani fresh water lake, tvn	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	0
0	100000	50000	9 7204	River bank mapping of vamanapuram river	0
0	20000	20000	9 7216	Workshop on precambrian Platetectonics in Southern India	0
0	45000	45000	9 7217	Recent biochemical approaches in therapeutics	0
0	100000	50000	9 7218	Development of Holographic lens to use in conjunction with solar cells	0
0	50000	25000	9 7219	Synthesis of diphenolic-bis-2-aminothiazoles as novel antioxidants	0
0	100000	0	9 7221	Indo-Slovenia conference on Graph Theory and Application (Indo - Slove 2013)	0
0	100	100	9 7222	Endline survey on Knowledge, behaviour and practice of voters in Kerala	100

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0	100	100	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	100	9	7227	DNA barcoding Venam gland transcriptomics and proteomic analysis of major venomous snakes of Kerala region	100
0	200000	100000	9	7229	Tectonic signature and PGE potential of Gabbroic Rocks in the moyar- Bhavani and Achankovil shear zone, Kerala	0
0	20000	0	9	7231	World Environment Day	0
0	400000	200000	9	7233	Design and Development of Catalytic electrodes for electrochemical and biochemical generation of hydrogen and electricity	0
0	500000	500000	9	7235	Identification and validation of potential Micro RNA Biomarkers in Primary Cicatrical Alopecia	300000
0	50000	50000	9	7239	Biomonitoring of Veli - Akkulam lake using aquatic insects	0
0	100	100	9	7240	Baseline survey of Knowledge,Attitude and Practices(KAP) of the Citizens of Kerala	100
0	850000	400000	9	7241	Taxonomy, Diversity,Venom characterisation and Environmental impacts of Jelly Fish blooms along Kerala Coast	800000
0	100	0	9	7242	Granitoids in the Attappadi Valley and their role in building continental crust in the early earth	0
0	150000	0	9	7245	International Conference on Statistics for Twenty First Century(ICSTC)	0
0	75000	0	9	7247	International Symposium on comparative endocrinology and Integrative physiology(CEIP 2015)	0
0	100000	100000	9	7251	Establishment of the functional material laboratory	100000
0	1000000	500000	9	7257	Injectable biopolymer hydrogels laden with select phytochemicals for neural tissue engineering	500000
0	150000	150000	9	7258	Documentary Film on the Travancore Observatory	0
0	1000000	500000	9	7259	Micro RNA 9 regulation of neuro regeneration: a potential therapeutic strategy for ischemic stroke	500000
370060	551800	500000	9	7260	Functional Magneto- di electric materials for microwave applications	500000
543937	1000000	1000000	9	7261	Collection, Characterisation and Propagation of Garcinia Gummy - Gutta (L) Robs	450000
0	38000	0	9	7262	National Workshop on Patent Law, Standards, Procedures and Litigation	0

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0	41700	0 9	7263	National Seminar on Photonics and it's Application	0
0	800000	800000 9	7264	National Seminar on Recent Trends in Statistical Theory and Applications	800000
884400	900000	900000 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
0	80000	40000 9	7266	National Conference on Discrete and Computational Mathematics	100
0	100	100 9	7267	National seminar on Modern Trend in conservation of genetic resources	100
0	909000	909000 9	7268	Petrogenesis of mafic and ultramafic Rocks of Wayanad,Kannur and Kasaragod districts,Kerala implications for Archean Crustal Evolution and metallogeny.	908000
0	519000	519000 9	7269	Identification and source characterisation of arsenic contamination in ground water resources of Kasargode,Wayanad and Trivandrum Districts,Kerala,India	30000
50000	100	100 9	7271	Ecofriendly synthesis of wear refractory boron carbide using natural carbon resource	100
13000	100	100 9	7272	InVitro studies and phytochemical analysis of Vanda thwaitessi hook.F	100
3094000	1038000	1038000 9	7273	Development of polymer nano composite based microwave absorbes of L&S band frequencies	182000
0	0	405100 9	7274	Fabrication and characterisation of Perovskite solar cells	450000
0	0	0 9	7275	National Seminar on Environmental Status of Estuarine and Costal Ecosystems in India	44000
0	0	0 9	7276	International Conference on Statistics for Twentyfirst Century - 2018 (ICSTC - 2018)	93200
0	0	0 9	7277	Evaluation of Pharmacological Properties of Spatholobus Pasvifcorus (Roxb. Bx. DC) Kuntze	10000
0	0	0 9	7278	Twinning Ozone with Life One day Seminar on Ozone day Celebration 2019	12000
0	0	0 9	7279	World Wetland day Programmes	20000
<b>13103715</b>	<b>35538500</b>	<b>26000000</b>	<b>Total of :80 A GRANTS FROM STATE GOVERNMENT</b>		<b>23600000</b>

**MH : 80 B : GRANTS FROM THE UGC**

759764	5000000	1000000 9	7301	U.G.C Research Fellowships	1000000
0	35000	35000 9	7303	U.G.C National Fellowship	35000
0	500000	200000 9	7305	U.G.C Research Associateships	500000
0	30000	30000 9	7309	UGC Visiting Associateship	30000
0	100000	50000 9	7310	UGC Research Fellowship/Associateship/ Assistance to Departments	100000
0	100	100 9	7312	Emeritus Fellowship	100

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0	200000	100000	9	7313	Visiting Professors	200000
0	100	100	9	7314	UGC Research Award	100
0	3000000	925000	9	7315	Rajiv Gandhi National fellowship for SC candidates	1000000
0	400000	200000	9	7317	Post Doctoral Fellowship for SC / ST candidates	320000
0	100	100	9	7318	Dr.D.S.Kothari Postdoctoral Fellowship	100
0	3500000	2000000	9	7321	UGC Research Fellowship in Sciences to Meritorious Students	3000000
0	3500000	1500000	9	7322	Maulana Azad National fellowship for minority students	1500000
0	100	100	9	7323	Faculty fellowship scheme	100
0	100	100	9	7324	Raman Post Doctoral fellowship	100
0	400000	200000	9	7325	PG Diploma in knowledge management under innovative programme Teaching and Research in Inter disciplinary and emerging areas during XI Plan	0
0	100	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
6188302	2500000	2500000	9	7372	Refund of unspent balance on grants sponsored by UGC	2500000
0	100	100	9	7409	UGC Team Visit	0
0	100	100	9	7437	Characterisation of insect corazonin and CDNA cloning of the gene	0
0	100	0	9	7444	History and evaluation of traditional medicinal systems of Kerala with special reference to Ayurveda	100
0	100	100	9	7454	Financial assistance to the Dept. of Aquatic Biology & Fisheries (SAP)	100
0	300000	300000	9	7457	Financial Assistance to the Dept. of Maths (SAP)	300000
0	100	100	9	7458	Financial Assistance to the Dept. of Geology (SAP)	100
0	1000000	1000000	9	7460	Financial Assistance to the Department of Zoology (SAP)	100
0	1000000	1000000	9	7464	Financial Assistance to the Dept. of Political Science (SAP)	100
0	100	100	9	7470	Dept. of Psychology - Innovative Programmes Teaching & Research in Tnterdisciplinary and Emerging areas	0
0	100	100	9	7472	Synthesis and characterisation of Gold Nanoparticles for Plasmonic Applications	0
0	100	100	9	7473	Trophic Modeling and Biodiversity Assessment of Fresh Water Lakes in Kerala for Conservation and Sustainable Management	100

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0	100	100 9	7475	The Genus Abelmoschus Medic (Malvaceae) in peninsular India: Its distribution, inter-and-specific diversity and relationships	100
0	100	100 9	7476	Generalisation of confluent hypo-geometric distribution	100
0	8000	100 9	7479	Study of cultural and architectural expression of public spaces	100
0	100	100 9	7480	Technobiographics, representation of the other in Dalit autobiographics	0
0	100	100 9	7481	Sanskrit-Malayalam dictionary	0
0	100	100 9	7482	A study on foreign trade in principal agricultural products under WTO regime with special reference to kerala	0
0	100	100 9	7485	Environmental degradation assessment of fresh water lake in kerala, southwest india with special reference to conservation and management	0
0	100	100 9	7486	Habitat preference and documentation of fish diversity of vellayani lake, tvpm dist, kerala	0
0	100	100 9	7487	Impact of Fundamentalism on Muslim youth in kerala-role of islamic organisation	0
0	100	100 9	7488	Influence of humanism in the theatrical world of P.J. Thomas and G.Sankara pillai	0
0	100	100 9	7489	Design and development of a multimedia resource for teaching and learning of ready reference/sources in english	0
0	100	100 9	7490	Contribution of Kerala to vedanta darsana	0
0	100	100 9	7491	Sociolinguistics study of malayalis in Delhi	0
0	100	100 9	7492	Legal regulation of hospitals in the private health care sector(study with reference to kerala)	0
0	100	100 9	7493	PG degree course under the scheme of Human rights education under the Dept of Law	0
0	100	100 9	7494	Centre for canadian studies - Area studies programme	100
0	0	0 9	7497	Financial Assistance to Institute of English(SAP)	100
0	100	0 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	0
0	100	100 9	7500A	Taxonomy, diversity & seasonal variation of aquatic insects of Kallar stream in Western ghats, Kerala	0
0	100	100 9	7500C	Privatisation of Education & Empowerment of Minority communities - A case study of Muslim community in Kerala	0

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0	100	100	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	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	7500Q	Relevance of women characters of Bhasa in Modern Age	0
0	100	100	9	7500R	Moving extreme ranked ser sampling and its application in parametic estimation	0
0	100	100	9	7633	Taxonomy capacity bldg for research on Diptera	0
0	86100	40000	9	8751	The Study of mountain landscape and tribal lore of Kerala and it's correlation with Tamil Sangam Classics	40000
0	100	0	9	8754	Communication problems of the mentally challenged children	0
0	100	0	9	8756	Hindi-English-Malayalam Dictionary(in print,digital & online)	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 acive principle of Oryza Sativa Linn(njavara) Tricin on various inflammatory models	100
0	489000	100000	9	8762	Modulation of reverse cholesterol transport by Butea monosperma bark extract in diabetes mediated atherosclerosis	200000
0	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	100	100	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
0	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	300000

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0	82000	82000	9	8770	Deterministic modeling of the underlying dynamics of surface wind speed fluctuations with applications to Grid connected wind power generation	82000
0	100	100	9	8771	A study of Eco- Aesthetics and culture depicted in the contemporary Hindi & Malayalam Poetry	100
0	3000000	3000000	9	8772	UGC BSR Research startup Grant for newly recruited faculty at Asst. Professor level in Science department	3000000
2389304	4000000	4000000	9	8774	UGC faculty Recharge Programme	4000000
0	100	100	9	8775	Maritime Security of India :The coastal security challenges and policy options	100
0	76000	76000	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
0	100	100	9	8779	Ecosystem service assessment and mapping for sustainable management of wetlands in Kerala -India	100
0	100	100	9	8780	Indian an its parts:Present and past	100
0	100	100	9	8781	SWAYAM Examination	100
<b>9337370</b>	<b>29668400</b>	<b>18800000</b>		<b>Total of :80 B GRANTS FROM THE UGC</b>		<b>18300000</b>
<b>MH : 80 C : GRANTS FROM GOVERNMENT OF INDIA</b>						
5516897	10000000	7500000	9	7502	Inspire Fellowships	10000000
22472827	30000000	25000000	9	7551	Comprehensive Scheme on study of the cost of Cultivation of Principal Crops in Kerala	25000000
1764529	15000000	20000000	9	7553	Population Research Centre	22500000
265809	2000000	2000000	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	300000
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	500000
0	83200	83200	9	7654	Conservation strategies Pharmacological evaluation of Uleria Salicifolia Hook. F. and endangered ethnomedicinal plant of Western Ghats	83200
0	1300000	600000	9	7657	Financial assistance to Department of Computer Science	600000
0	400000	200000	9	7659	Safe & Effective Water Harvesting site selection model based on critical slope analysis using remote sensing	200000

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0	1000000	1000000	9	7662	Establishment of Bio-Informatics infrastrucure facility for the promotion of Biology teaching through Bio-informatics	500000
0	1000000	500000	9	7674	Bio conjugation of Nano materials and their application in Cancer Therapy	500000
0	700000	300000	9	7679	Molecular characterisation & proteomic expression of insect JHAMT GENE	300000
0	100000	50000	9	7689	Gamma radiation impact assessment at proteomic and genomic level in representative anthropod fauna	50000
0	400000	200000	9	7699	Financial assistance to Department of Statistics(DST)	200000
0	100	100	9	7700	Financial assistance for organizing International conference on Groupoids, Semigroups & Automata(DST)	100
0	300000	275000	9	7700B	On 4 graphs and the remoteness function on 4 graphs (DAE)	300000
0	23500000	10000000	9	9251	PURSE programme	10000000
0	100000	100000	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	200000
0	700000	350000	9	9255	Biodiversity, DNA barcoding & Phylogemy of commercially valuable marine molluscs of India	271000
0	100	100	9	9257	Biocomposite based orthopedic implants from shrimp waste and marine algae	100
0	100	100	9	9259	Indo Slovenia conference on Graph theory and Applications	100
0	5000000	2000000	9	9260	Centre of excellence for Training and Research in Area of Science and Technology	2000000
0	100	100	9	9261	Symposium on sustainable management of Biodiversity using Science and Technology	100
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	200000	9	9264	Transit functions Betweenness and community structure	200000
0	500000	500000	9	9265	Enhanced degradation of synthetic textiles dye in constructed wetland system using Aquatic weeds	500000
0	100	100	9	9266	Role of Nitric oxide in the stress response of fish	100

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0	300000	300000	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	600000
0	0	0	9	9270	Development of Alternative Sustainable Fish feeds to Promote Human health using novel non- conventional indigenous ingredients	3000000
0	0	0	9	9271	Evaluating Costs and Benefits of Prophylatic Health Products and Novel alternatives on Small holder aqua culture farmers in Asia and Africa (IMA Qualate)	650000
0	1305100	1305100	9	9272	Evaluate the disruption of Cholesterol Homeostasis on Hair follicle Cycling and StemCell functions in alopecia	1305100
0	3100000	3100000	9	9273	Financial Assistance to the Department of Biochemistry under FIST Programme	3100000
843000	1716000	1716000	9	9274	Development of Cold sintered di electrics for electronic applications	970000
700000	0	0	9	9275	Germplasm conservation and phytochemical evaluation of Adhatoda beddamei C.B.C.I(Cittadalotoxom)	850000
<b>31563062</b>	<b>102275000</b>	<b>79600000</b>		<b>Total of :80 C GRANTS FROM GOVERNMENT OF INDIA</b>		<b>87300000</b>

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

0	5000000	2500000	9	7701	CSIR Scholarships and Researchfellowships	500000
0	137500	137500	9	7703	ICSSR Fellowships	100000
0	500000	250000	9	7705	ICHR Fellowships	500000
0	100	100	9	7707	Rashtriya Sanskrit Samsthan Scholarships	0
458458	1000000	600000	9	7709	ICMR Fellowships	1000000
0	200000	100000	9	7713	Emeritus Scientistships (CSIR)	200000
0	500000	200000	9	7715	AICTE Scholarships	500000
0	200000	100000	9	7717	ICPR Fellowships	200000
0	200000	100000	9	7718	BINC Fellowships	200000
0	200000	200000	9	7719	C. V. Raman International Fellowships	200000
903180	2500000	1500000	9	7720	SERB National Post Doctoral Fellowship	2000000
460000	500000	500000	9	7721	Asuthosh Mookerjee Fellowship	500000
210000	0	30700	9	7722	ICSSR Short Term Doctoral Fellowship	50000
300000	700000	700000	9	7723	Ramanujan Fellowship(SERB)	700000
155000	0	520000	9	7724	ICSSR Doctoral fellowships	520000
201290	0	0	9	7725	ICMR Emeritus scientist schemes	300000
198500	700000	700000	9	7726	ICSSR Post Doctoral Fellowships	700000
0	100000000	60000000	9	7751	Lumpsum provision for new Research Schemes	80000000

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495147	2000000	2000000	9	7776	Refund of unspent balance of grants sponsored by other agencies	2000000
214901	0	0	9	7828	Salary to staff of CACEE	0
0	27000	27000	9	7848	A study on abortions in Kerala - A qualitative assessment	0
0	329000	150000	9	7853	An evaluation of Women ICT based projects in Kerala and its viability in other states of India	0
0	400000	200000	9	7862	Molecular Endocrine model mechanism of insect metamorphosis and JH acid as the key regulator	0
0	500000	250000	9	7878	Studies on the regression of alcohol induced toxicity(ICMR)	0
873325	500000	500000	9	7880	Scholar in residence program under Erudite scheme	600000
0	50000	50000	9	7884	Preparation of a field guide on Marine Animals of Kerala Coast(Kerala state bio-diversity board)	50000
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	200000	100000	9	7894	Computer lab in Competency Training Centre	200000
0	100	100	9	7898	Inculcate Science Propagation Programme	100
0	100000	0	9	7899	Development of monoclonal antibodies and polyclonal antibodies for tumor antigen AFP for development of ELISA based indigenous immunodiagnostic kits	0
0	100000	100000	9	7901	Development of a musically adapted multimedia package to foster improvement in the social skills of trainable mentally challenged persons	100000
0	100000	100000	9	7905	Symposium on sustainable management of Biodiversity using Science and Technology	100000
56486	100	100	9	7911	Travel Grant	0
25000	100	100	9	7919	Vakkam Muhammed Abdul Khadar maulavi memorial lecture	0
0	100000	100000	9	7920	Implication of Development induces displacement:Experience from Kerala	100000
0	25000	0	9	7922	Bioinformatics National Certificate Examination(BINC)	0
0	1000000	500000	9	7927	Bio systematic and Ecology of sub family Chloropinac (Diptera: Chloropidac of India and Study of Species and Genetic complexes using Molecular Techniques)	500000
0	1000000	500000	9	7933	Financial assistance to department of Environmental Sciences	500000

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0	550000	250000	9	7934	Synthesis of a library of 2,3 - dihydrofuran derivatives - potential candidates for showing antimicrobial activity	250000
0	800000	800000	9	7936	Identification and Functional analysis of acid base regulations during stress response in a fresh water air-breathing fish Anabas testudineus	800000
0	300000	208000	9	7943	Spaces of Political protests in India, competition, Conflict and Co-operation between party and non party organizations	200000
0	100	100	9	7944	Evaluation study of MGNREGS	0
0	25000	25000	9	7949	Gender disparities in Academic opportunities	25000
0	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	100000	100000	9	7954	Feedback study on VICTER - Tele Education Network at Kerala	100000
0	600000	300000	9	7957	Synthesis and reaction of Vicinel Tricarbonyl Compounds and Related System	300000
0	15000	15000	9	7958	Career award for Young teachers( CAYT)	5000
0	500000	250000	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	250000
0	400000	200000	9	7964	Designing inexpensive transition metal catalysts for C-Z (Z=S, Se and Te ) bond formation using atom economy addition reaction : A Computational Investigation	200000
0	250000	100000	9	7967	Advanced photon flux density measurements for photonic info- energy transfer detection	100000
0	200000	100000	9	7971	Dietary fat related histone modifications relevant to inflammation	100000
0	70000	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
131035	43400	43400	9	7978	Novel inorganic double perovskites	45000
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	400000
0	625000	625000	9	7987	Nanomaterials Based Biosensing for Detecting Hypoxia and Induction of Angiogenesis	600000
0	2570000	500000	9	7988	Glass free Magneto- Dielectric Materials for LTCC Applications	500000

**PART :III EARMARKED FUNDS - DETAILED ESTIMATES OF EXPENDITURE 2022-2023**

<b>Accounts 2020-2021</b>	<b>Budget Estimates 2021-2022</b>	<b>Revised Estimates 2021-2022</b>		<b>E-Code</b>	<b>Detailed Heads</b>	<b>Budget Estimates 2022-2023</b>
639832	814500	814500	9	7989	A Systematic Study on the Landslides on Valles Mariners Using data of varying Resolution and Scales	150000
0	100000	100000	9	7991	Multi Dimensional research on Population Ageing in Kerala	100000
0	816000	816000	9	7992	GIAN Programme	816000
0	380000	380000	9	7993	Development of comprehensive species datasheets for Indian marine molluscus	380000
0	100000	50000	9	7994	New frontiers in Cytogenetics and XII Conference of the society of Cytologists and Geneticists	100000
0	850000	400000	9	7997	Anti or proinflammatory effects of dietary pulses	100000
0	100	100	9	7998	One Basic Training Programme on Human Rights	100
0	100	100	9	9751	Combating Corruption : The Discourse of Developmental Democracy vis-a-vis Bureaucracy	100
0	100	100	9	9752	National Young Leaders Award -NSS	0
0	100	100	9	9753	Gender at the intersection of identity and community: viewing the landscape of culture in a changing world	100
0	100	100	9	9754	Rights of Dalits, Tribals and Religious minorities	100
0	150000	150000	9	9755	Production and supply of Quality seedlings of selected Medicinal Plants	150000
0	100	100	9	9756	Maritime Archaeology with special reference to Indian Ocean Countries	100
0	750000	750000	9	9757	Studies on the Molecular Mechanism of Self- incompatibility in Ananas Comosus (L) Merr	750000
0	100	100	9	9759	Pre- Poll By - election survey in Chengannur Constituency	100
0	100	100	9	9760	Workshop on Biofloc Technology	0
0	50000	50000	9	9761	Technological Scaffold to visually challenged students at Higher Secondary level in Kerala	50000
220000	220000	220000	9	9762	Study on certain Hyper-poisson related distribution	220000
726762	1557800	1557800	9	9763	Ortho paedic Tissue Engineering - Repair injured Rabbit tendon	740000
550000	1215500	1215500	9	9764	Bio prospecting Barcoding and invitro culturefor sustainable utilisation of two selected RET listed medicinal plants Piper barberi and Smilax wightii	620000
0	100	0	9	9765	National Seminar on Challenges of Human Rights in the 21st Century and Sustainable Development Goals	0
220000	220000	220000	9	9766	Axiomatics of Betweenness in Discrete structures	240000

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0	100	100	9	9767	Workshop on Quality Research and Knowledge creation	100
0	100	100	9	9768	Agro Ecology : "Action Research and Education; India - Norway Co-operation"	100
0	100	100	9	9769	INSPIRE Faculty Research Grant	100
0	100	100	9	9770	Awareness Programme on NAAC Accrediation	100
0	100	100	9	9771	Evaluation cost and benefits of Prophylactic Health products	100
631712	500000	500000	9	9772	Next Food: Educating the next generation of professionals in the agrifood systems.	700000
65203	66000	66000	9	9774	Inventory & Evaluation of spread Ecology of the Riverine flora of Achankovil river basin,Kerala.	20000
7197	112500	112500	9	9775	Studies on Invasive Alian Plant Species in the flood affected areas of Karthikappally Taluk,Alappuzha District.	80000
85918	114000	114000	9	9776	Assessment of native and exotic inchthyodiversity status of River Bharathpuzha,Periyar and Pamba	20000
220000	50000	50000	9	9777	Concurrent Evaluation on National Food Security Act	50000
0	189000	189000	9	9778	Significant Challanges in Academics as perceived by Visually Challenged Students of Secondary Schools.	189000
0	100000	303600	9	9779	Unravelling submarine Ground Water Discharge(SGD)zones along the Indian Sub continent and its islands (Mission-SGD)"PILOT STUDY"	100000
0	440000	440000	9	9781	Bayesian density,estimation using ranked set sampling.	220000
270000	540000	540000	9	9786	Linkages between STEM Education and STEM employment: An inquiry into identifying skill gaps and policy distortions	500000
0	50000	50000	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
300000	600000	600000	9	9788	Decisive factors of college success in the midst of quality intervention of RUSA	100000
0	100	100	9	9789	Experiential learning with Indian Educators collecting local data to share with Politicians and Scientists	0
19449	100	100	9	9790	Scientific Identification and Documentation of Trees in Pangode Military Station .	100
287500	100	62500	9	9791	The Geo-Politics of Indo-Pacific:Perceptions,Opportunities and Challenges	100
236500	709600	709600	9	9793	Collobarative Study on Agriculture marketing Infrastructure in Kerala	240000

**PART :III EARMARKED FUNDS - DETAILED ESTIMATES OF EXPENDITURE 2022-2023**

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220000	0	0 9	9794	Seven day workshop on research methodology course for Ph.D students	44000
360000	540000	540000 9	9795	House hold drinking water and sanitation in Urban Kerala	540000
220000	440000	440000 9	9796	A study on geometric vitality function of odered random variables	440000
150000	0	50000 9	9797	International seminar on population,nutrition and development	0
150000	50000	50000 9	9798	A study on the academic self concept and goal orientation of prospective teachers	50000
589000	464000	464000 9	9799	Surveillance of Antimicrobial resistance in selected surface waterbodies of Tvpm District	464000
150000	0	0 9	9800	Environmental culture and development discourses and intersections	0
90000	0	0 9	9801	National seminar on environmental studies of Estuvarine and coastal ecosystems in India	0
495000	0	0 9	9802	A study on the preceived training need of prospective school teachers of Meghalaya and Kerala: A special focus on management of visual challenges	100
100000	0	0 9	9803	International seminar on field archaeological perspective from Iron Age-Early Historic south india	0
0	0	0 9	9804	Survey and analysis on Ethnobotanical resources present status and livelihood of Tribal Communities in Flood affected areas of Vazhachal ,Thrissur District	270000
0	0	0 9	9805	Establishing rainwater harvesting/aquifer recharging structures in public building and selected households in Amboori Village,Thiruvananthapuram	836000
0	0	0 9	9806	Four day international conference on 27 th annual conference and international conference on Asian Arts	300000
0	0	0 9	9807	Flood Hazard Map to water Management and planning	434000
0	0	234100 9	9808	Blue charter knowledge exchange grant scheme 2020	100
0	0	263100 9	9809	Educational Technology Implementation in Teaching and Learning	100
0	0	93500 9	9810	Sustainable Marine Fisheries and Aquaculture Policies Package and Perspectives in Blue Economy Paradigm	0
0	0	2500000 9	9811	Establishment of RET Medicinal Plant Seed Centre for Biodiversity Conservation	100
0	0	0 9	9812	The Deep -Sea decapod crustaeans of Indian seas:taxanomy and Biography	300000

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0	0	0 9	9813	The Philosophical contribution of Swami Agamananda in the cultural Renaissance of Kerala	120000
0	0	1915000 9	9814	Studies on the effect of Gut Derived Microbial Fatty Acids on Lysosome Biogenesis and Extracellular Vesicle production in mouse models of Alzheimer's Disease	1000000
0	0	233800 9	9815	Shastri Research Grant - Shastri Indo Canadian Institute	0
0	0	402000 9	9816	Clean and Green Technology for Water Purification	1800000
0	0	272000 9	9817	Evaluate various in Vitro and in Vivo Studies of natural products and extracts to exploit their Potential and Safety for Skin/Hair health application "Elucidating the effectiveness of Cure skin in the skin cancer induced Animal Models"	100
0	0	477800 9	9818	Exploring the activity of plant Derivatives on hair growth in alopecia modulating through Nuclear and xerobiotic Receptors.	100
<b>11686395</b>	<b>139358100</b>	<b>95500000</b>	<b>Total of :80 D GRANTS FROM OTHER AGENCIES</b>		<b>110000000</b>
<b>65690542</b>	<b>306840000</b>	<b>219900000</b>	<b>TOTAL OF III : EARMARKED FUNDS</b>		<b>239200000</b>