


VISION GROUP ON SCIENCE AND TECHNOLOGY
Department of Electronics, IT, Bt and S & T, Government of Karnataka

List of proposals recommended by VGST for funding during the FY 2022-23

Scheme: Grants for Research Excellence (GRE)

Sl. No.	Details of Principal Investigator	Title of the Project	Scheme	Subject	Funds to be released during the 1st year (Rs. in lakhs)	Funds to be released during the 2nd year (Rs. in lakhs)	Total Amount (Rs. in lakhs)
1	Dr. Spurthi N. Nayak, Assistant Professor, Department of Biotechnology, University of Agricultural Sciences, Dharwad - 580 005	Development of groundnut genotypes for high temperature stress tolerance using molecular breeding approaches	GRE	Biological and Agricultural Sciences	25.00	15.00	40.00
2	Dr. Kisan, Assistant Professor, Department of Biotechnology, University of Agricultural Sciences, UAS Campus, Raichur - 584 104	Strengthening the activity based screening of bioactives on live model system <i>Caenorhabditis elegans</i> for life span and utilization of UV-C light for the plant pathogen management	GRE	Biological and Agricultural Sciences	25.00	15.00	40.00
3	Dr. Jitendra Carpenter, Assistant Professor, Department of Chemical Engineering, Manipal Institute of Technology, Udupi - Karkala Road, Eshwar Nagar, Udupi, Manipal - 576 104	Design and development of low energy hydrodynamic cavitation-based homogenizer for the synthesis of food and pharmaceutical grade oil-in-water nanoemulsions: Experimental & Molecular Simulations Insights	GRE	Chemical Engineering	25.00	15.00	40.00
4	Dr. Remya P Narayanan, Associate Professor, Department of Science and Humanities, Global Academy of Technology, Ideal Homes Township, Rajarajeshwarinagar, Bengaluru - 560 098	Development of an Economical Metal Recovery Process from e-waste for Energy and Environment Applications	GRE	Chemistry	25.00	15.00	40.00
5	Dr. Chandrappa K G, Assistant Professor (Group-B), Department of Chemistry, Government Engineering College, Doddamannina Gudde, Near Janapadaloaka, B.M. Road, Ramanagara - 562 159	Development of Zinc-nanocomposite coating for corrosion protection and improving mechanical properties - An eco-friendly approach.	GRE	Chemistry	25.00	15.00	40.00


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6	Dr. Rajesh G. Kalkhambkar, Assistant Professor, Department of Chemistry, Karnatak Science College, KCD College Road, Dharwad - 580 001	Investigation of novel strategies for the selective fluorination towards the synthesis of fluorinated bioactive molecules in designer solvents (TSILs)	GRE	Chemistry	25.00	15.00	40.00
7	Dr. H L. Shashirekha, Professor, Department of Computer Science, Mangalore University, Mangalagangothri, Mangaluru - 574 199	Development of e-Resources and Computational Tools for Tulu Language	GRE	Computer Science/Information Science Engineering/Information Technology	25.00	15.00	40.00
8	Dr. Ramesh K, Professor, Department of Computer Science, Karnataka State Akkamahadevi Women's University, Jnanashakti Campus, Torvi, Vijayapura - 586 105	Decoding Visual Experiences from brain activity using AI based latent diffusion models	GRE	Computer Science/Information Science Engineering/Information Technology	25.00	15.00	40.00
9	Dr. Saneesh Cleatus T, Associate Professor, Department of Electronics and Communication Engineering, BMS Institute of Technology & Management, Post Box. 6443, Avalahalli, Doddaballapura Main Road, Yelahanka, Bengaluru North, Bengaluru - 560 064	An Adaptive, Motor Imagery based Brain-Computer Interface	GRE	Electronics and Communication Engineering / Telecommunication Engineering	25.00	15.00	40.00


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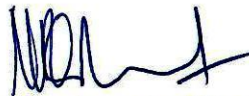

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10	Dr. Shwetha H R, Assistant Professor (Grade II), Department of Water Resources and Ocean Engineering, National Institute of Technology Karnataka, Srinivasnagar PO, Surathkal, Mangaluru - 575 025	Quantitative retrieval and spatiotemporal analysis of soil quality parameters using geospatial datasets and machine learning techniques in Western Plains and Ghat Regions of Karnataka	GRE	Geology, Earth & Environmental Sciences	25.00	15.00	40.00
11	Dr. Beemkumar N, Professor, Department of Mechanical Engineering, Jain Deemed To Be University, Faculty of Engineering and Technology, Jain Global Campus, Jakkasandra Post, Kanakapura Taluk, Ramanagara District - 562 112	Optimizing solar dryer performance with heat pump and thermal energy storage technologies for the high value products	GRE	Mechanical Engineering	25.00	15.00	40.00
12	Dr. N B Thippeswamy, Professor, Department of Microbiology, Kuvempu University, Jnanasahyadri, Shankaragatta,,Bhadravati, Shivamogga - 577 451	Development of strip based rapid and specific diagnostic kit for the detection of Kyasanur Forest Disease	GRE	Medical & Life Sciences	25.00	15.00	40.00
13	Dr. Vinay Kumar MB, Assistant Professor, Department of Medical Genetics, JSS Academy of Higher Education and Research, Bannimantap Road, Sri Shivarathreeshwara Nagara, Bannimantapa Layout, Bannimantap, Mysuru - 570 015	Molecular Basis of Diabetes Induced Skeletal Muscle Wasting - Targeting Epigenome for Therapeutic Intervention	GRE	Medical & Life Sciences	25.00	15.00	40.00


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14	Dr. Sreepriya M, Professor, Department of Microbiology, Bangalore University, Mysore Road, Jnana Bharathi, Bengaluru - 560 056	Anti-osteoporotic selective estrogen receptor modulator (SERM) from <i>Tinospora cordifolia</i> - Investigations on GPER mediated EGFR signaling and influence on bone remodeling	GRE	Medical & Life Sciences	25.00	15.00	40.00
15	Dr. Sankarshan B M, Assistant Professor, Department of Physics, The National Institute of Engineering, Mananthavadi Road, Vidyananyapura, Mysuru - 570 008	e-waste-to-energy: Low-cost and environment-friendly nanogenerators from e-waste for energy harvesting	GRE	Metallurgical & Materials Engineering	25.00	15.00	40.00
GRAND TOTAL					375.00	225.00	600.00


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Scheme: Karnataka Fund for Infrastructure Strengthening in Science & Technology Level 1 (K-FIST L1)

Sl. No.	Details of Principal Investigator	Title of the Project	Scheme	Subject	Funds to be released during the 1st year (Rs. in lakhs)	Funds to be released during the 2nd year (Rs. in lakhs)	Total Amount (Rs. in lakhs)
1	Dr. Prachi Parvatkar, Assistant Professor, Department of Allied Health Science, Biotechnology, BLDE (Deemed to be University), Bangaramma Sajjan Campus, Vijayapura - 586 103	Identification of Anti-cancer activities of isolated bioactive compounds from <i>Terminalia arjuna</i> on MicroRNA Expression Profiles on Hepatocellular Carcinoma Cells	K-FIST- L1	Bio Technology	10.00	10.00	20.00
2	Dr. B R Patil, Professor and HoD, Department of Genetics and Plant Breeding, University of Agricultural Sciences, Dharwad - 580 005	Phenomics enabled assured rapid genetic gains assured genotype evolution for sustainable yields	K-FIST- L1	Biological and Agricultural Sciences	10.00	10.00	20.00
3	Dr. Rashmi S. Hulagurmath, Assistant Professor, Department of Chemical Engineering, SDM College of Engineering & Technology, Dhavalagiri, Dharwad - 580 002	Effect of metal/metal oxide nano particles on structural, mechanical and antimicrobial activity of biodegradable polymer films for smart food packaging	K-FIST- L1	Chemical Engineering	10.00	10.00	20.00
4	Dr. Thimmegowda N R, Assistant Professor, Department of Chemistry, Government S. K. S. J. T. Institute, Dr. Ambedkar Veedhi, K. R. Circle, Bengaluru - 560 001	Infrastructure facility development for medicinal chemistry research and its utilization for the identification of structurally novel anticancer agents targeting various oncogenic proteins	K-FIST- L1	Chemistry	10.00	10.00	20.00
5	Dr. Konkallu Hanumae Gowd, Professor, Department of Chemistry, Central University of Karnataka, Kadaganchi, Alanda, Kalaburagi - 585 367	Intrinsically photostable avobenzene derivatives as chemical UV-A filters for cosmetics	K-FIST- L1	Chemistry	10.00	10.00	20.00



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Scheme: Karnataka Fund for Infrastructure Strengthening in Science & Technology Level 1 (K-FIST L1)

Sl. No.	Details of Principal Investigator	Title of the Project	Scheme	Subject	Funds to be released during the 1st year (Rs. in lakhs)	Funds to be released during the 2nd year (Rs. in lakhs)	Total Amount (Rs. in lakhs)
6	Dr. Rita Pal, Assistant Professor, Department of Chemistry, St. Joseph's College (Autonomous), 36, Langford Road, Langford Gardens, Bengaluru - 560 027	Development of Carbohydrate based Chiral Bronsted Acid Catalyst and its Application in Asymmetric Organic Synthesis	K-FIST- L1	Chemistry	10.00	10.00	20.00
7	Dr. Narayana Hebbar, Assistant Professor, Department of Chemistry, Sri Dharmasthala Manjunatheshwara College (Autonomous), Ujire - 574 240, Belthangady	Synthesis of Novel N-heterocyclic compounds and their anticorrosion potentials for mild steel in Acidic and Alkaline Media for Technological and Engineering applications	K-FIST- L1	Chemistry	10.00	10.00	20.00
8	Dr. Vinod T P, Associate Professor, Department of Chemistry, Christ Deemed To Be University, Main Campus, Hosur Road, Bengaluru - 560 029	Ion-imprinted carbon dots for the fluorimetric detection of hazardous metals in water resources	K-FIST- L1	Chemistry	10.00	10.00	20.00
9	Dr. H S Annapurna, Associate Professor, Department of Computer Science and Engineering, Sri Siddhartha Institute of Technology, Maralur, Tumakuru - 572 105	Establishment of Ethical Hacking - Center of Excellence Laboratory	K-FIST- L1	Computer Science/Information Science Engineering/Information Technology	10.00	10.00	20.00


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10	Dr. Thangam S, Assistant Professor (SG), Department of Computer Science and Engineering, Amrita Vishwa Vidyapeetham - Bengaluru Campus, Kasavanahalli, Carmelaram Post, Off Sarjapur Road, Bengaluru - 560 035	IoT Solution for Cerebral Palsy in Children	K-FIST- L1	Computer Science/Information Science Engineering/Information Technology	10.00	10.00	20.00
11	Dr. Divya Biligere Shivanna, Associate Professor, Department of Computer Science and Engineering, M. S. Ramaiah University of Applied Sciences, University House, Gnanagangothri Campus, New BEL Road, MSR Road, Bangalore North, Bengaluru - 560 054	Development of a Computer Aided Diagnosis, and Prognosis of common odontogenic Jaw Lesions, on Whole Slide Histopathology Images of incisional biopsies- A Retrospective Cohort Study	K-FIST- L1	Computer Science/Information Science Engineering/Information Technology	10.00	10.00	20.00
12	Dr. Sangamesh G Sakri, Associate Professor, Department of Electrical & Electronics Engineering, P.D.A. College of Engineering, Aiwani-E-Shahi Area Station, Kalaburagi - 585 102	Facility for study and development of protection schemes for power system	K-FIST- L1	Electrical and Electronics Engineering	10.00	10.00	20.00
13	Dr. Mahantesh Murigeppa Shivashimpi, Associate Professor, Department of Mechanical Engineering, Hirasagar Institute of Technology, Nidasoshi - 591 236, Hukkeri Taluk	Establishing the facility for - dynamic Fatigue systems to study fatigue properties of surface characterized engineering Materials	K-FIST- L1	Mechanical Engineering	10.00	10.00	20.00


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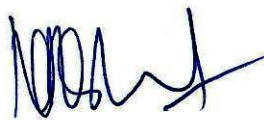

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14	Dr. M.S. Tattimani, Associate Professor, Department of Mechanical Engineering, Smt. Kamala and Sri Venkappa M Agadi College of Engineering & Technology, Savanur Road, Gulaganjikoppa, Shirahatti, Laxmeshwar - 582 116, Gadag	A Study on Fluid Behaviour in Vertical Centrifugal Casting	K-FIST- L1	Mechanical Engineering	10.00	10.00	20.00
15	Dr. Sheetal U Harakuni, Professor, Department of Microbiology, J N Medical College, Belagavi, Nehru Nagar, Belagavi - 590 010	Evaluation of antibiofilm peptide as an adjunct for better antimicrobial activity among biofilm-forming isolates of infected diabetic foot ulcer	K-FIST- L1	Medical & Life Sciences	10.00	10.00	20.00
16	Dr. Ameena Parveen, Associate Professor, Department of Physics, Government Degree College, Yadgir - 585 201	Preparation of Hybrid Conducting Polymer Nanocomposite Fibers as a Cathode Materials for Lithium Sulfur Battery	K-FIST- L1	Metallurgical & Materials Engineering	10.00	10.00	20.00
17	Dr. Krishnaveni R, Assistant Professor, Department of Microbiology, Vijayanagara Sri Krishnadevaraya University, Jnana Sagara Campus, Vinayaka Nagar, Cantonment, Bellary - 583 105	Copper nanozymes for sustainable environment	K-FIST- L1	Nano Science & Technology	10.00	10.00	20.00


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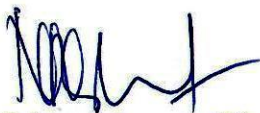

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18	Dr. Hidayath Ulla, Assistant Professor, Department of Physics, Presidency University, Itgalpura, Rajanukunte, Yelahanka, Bengaluru - 560 064	Design and Development of Fully Printed Flexible Organic Light Emitting Diodes for Lab-on-a-Chip Biomedical Applications	K-FIST- L1	Physics	10.00	10.00	20.00
GRAND TOTAL					180.00	180.00	360.00


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Scheme: Karnataka Fund for Infrastructure Strengthening in Science & Technology Level 2 (K-FIST L2)

Sl. No.	Details of Principal Investigator	Title of the Project	Scheme	Subject	Funds to be released during the 1st year (Rs. in lakhs)	Funds to be released during the 2nd year (Rs. in lakhs)	Total Amount (Rs. in lakhs)
1	Dr. Gurunatha Kargal Laxminarayana, Assistant Professor, Center for Nano and Materials Sciences, Jain Deemed To Be University, Faculty of Engineering and Technology, Jain Global Campus, Jakkasandra Post, Kanakapura Taluk, Ramanagara - 562 112	Thermochromic nanoparticle structural engineering for energy efficient smart windows	K-FIST- L2	Chemistry	15.00	15.00	30.00
2	Dr. Asha M Nair, Professor, Department of Civil Engineering, M. S. Ramaiah Institute of Technology, Vidya Soudha, MSR Nagar, MSRIT Post, Bengaluru - 560 054	Performance assessment of jute and bamboo as a sustainable reinforcing material for flexible pavements	K-FIST- L2	Civil Engineering	15.00	15.00	30.00
3	Dr. Andhe Dharani, Professor, Department of Master of Computer Applications, R.V. College of Engineering, R.V. Vidyaniketan Post, Mysore Road, Bengaluru - 560 059	Extended Reality Center for Education and Research	K-FIST- L2	Computer Science/Information Science Engineering/Information Technology	15.00	15.00	30.00
4	Dr. B T Venkatesh Murthy, Assistant Professor, Department of Electronics and Communication Engineering, Siddaganga Institute of Technology, B.H.Road, Tumakuru - 572 103	To set up the state-of-the-art Laboratory for Advanced RF, Microwave, Millimeter Wave Circuits and Antennas Design	K-FIST- L2	Electronics and Communication Engineering / Telecommunication Engineering	15.00	15.00	30.00
5	Dr. Vishalagoud S Patil, Assistant Professor, Department of Mechanical Engineering, Government Engineering College, Talakal - 583 238, Yelburga, Koppal	Investigation of acoustic and mechanical properties for new composite, 3D printed and smart materials	K-FIST- L2	Mechanical Engineering	15.00	15.00	30.00


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Scheme: Karnataka Fund for Infrastructure Strengthening in Science & Technology Level 2 (K-FIST L2)

Sl. No.	Details of Principal Investigator	Title of the Project	Scheme	Subject	Funds to be released during the 1st year (Rs. in lakhs)	Funds to be released during the 2nd year (Rs. in lakhs)	Total Amount (Rs. in lakhs)
6	Dr. Arnab Datta, Associate Professor, Division of Neuroscience, Yenepoya Research Center, Yenepoya (Deemed to be University), University Road, Deralakatte, Mangaluru - 575 018	Development of a Rodent Immunotherapeutics Laboratory: Efficacy Study of Monoclonal Antibodies against Degenerative Protein Deamidation to Target Inflammaging in Ischemic Stroke	K-FIST- L2	Medical & Life Sciences	15.00	15.00	30.00
7	Dr. Manjunath Ajanal, Research Officer and Professor, Department of Dravyaguna, Rajiv Gandhi Education Society's Ayurvedic Medical College & Hospital, Ron - 582 209, Gadag	Infrastructural development for Ayurvedic Phytochemistry Lab	K-FIST- L2	Medical & Life Sciences	15.00	15.00	30.00
8	Dr. Girish M H, Associate Professor, Department of Veterinary Anatomy, Karnataka Veterinary, Animal and Fisheries Sciences University, Nandinagar, Bidar - 585 401	Establishment of Wildlife Forensic Laboratory	K-FIST- L2	Medical & Life Sciences	15.00	15.00	30.00
9	Dr. Mithra N Hegde, Vice Principal, Department of Conservative dentistry and Endodontics, A B Shetty Memorial Institute of Dental Sciences, Nitte University, Derlakatte, Mangaluru - 575 018	Fokl Vitamin D Receptor Gene Polymorphism and its Correlation with Precancerous Lesions	K-FIST- L2	Medical & Life Sciences	15.00	15.00	30.00


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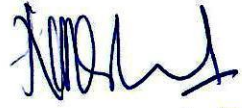

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Scheme: Karnataka Fund for Infrastructure Strengthening in Science & Technology Level 2 (K-FIST L2)

Sl. No.	Details of Principal Investigator	Title of the Project	Scheme	Subject	Funds to be released during the 1st year (Rs. in lakhs)	Funds to be released during the 2nd year (Rs. in lakhs)	Total Amount (Rs. in lakhs)
10	Dr. Koushalya P R , Associate Professor & HoD, Department of Physics, Don Bosco Institute of Technology, Kumbalagodu, Mysore Road, Kengeri Hobli, Bengaluru - 560 074	Size Dependent Magnetic and Dielectric Properties of Certain Doped Manganites	K-FIST- L2	Physics	15.00	15.00	30.00
11	Dr. Mahendra M, Associate Professor, Department of studies in Physics, University of Mysore, Manasa Gangothri, Mysuru - 570 006	Organic Chromophores with Nonlinear Optical Properties for Opto-electronic and Sensing Applications.	K-FIST- L2	Physics	15.00	15.00	30.00
12	Dr. Nagaraja K P, Professor and Coordinator for PG, Department of Physics, Field Marshal KM Cariappa College, Constituent College of Mangalore University, Kaveri Campus, Madikeri - 571 201	Fabrication of silica gel treated, oxalic acid based crystalline materials and their characterization	K-FIST- L2	Physics	15.00	15.00	30.00
13	Dr. Sangeeta B. Kolavekar, Assistant Professor, Department of Physics, KLE Technological University, BV Bhoomaraddi College Campus, Vidyanagar, Hubballi - 580 031	"Study of optical and transport properties of Metal Nano particles doped lithium bismuth borate glasses for the optoelectronic device and biomaterial applications"	K-FIST- L2	Physics	15.00	15.00	30.00
GRAND TOTAL					195.00	195.00	390.00


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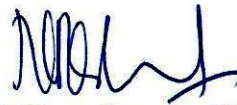

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Scheme: Early Career Research Award (ECRA)

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1	Dr. Mohan Naik G, Assistant Professor, Department of Food Processing Technology, Danaveera Sirasangi Shri Lingaraj Desai College of Horticulture Engineering and Food Technology, (University of Horticultural Sciences, Bagalokot), Devihosur, Haveri - 581 110	Development of biodegradable active food packaging film based on proso millet starch infused with <i>Garcinia indica</i> (Kokum) fruit extract	ECRA	Biological and Agricultural Sciences	5.00	5.00	10.00
2	Dr. S. MD. Akbar, Assistant Professor, Department of Biochemistry, University of Agricultural Sciences, Dharwad - 580 005	Isolation and characterization of a novel gossypol-degrading enzyme produced by bacteria isolated from the gut of <i>Pectinophora gossypiella</i> (Saunders) for industrial exploitation	ECRA	Biological and Agricultural Sciences	5.00	5.00	10.00
3	Dr. Naveen Y P, Assistant Professor, Department of Biochemistry, Adichunchanagiri University, B G Nagara - 571 448, Nagamangala, Mandya-District	Development of antidiabetic adjuvant using bio-actives isolated from the seeds of <i>Swietenia mahagoni</i> ; a preclinical evaluation	ECRA	Biological and Agricultural Sciences	5.00	5.00	10.00
4	Dr. Rashmi Rajashekaraiah, Assistant Professor, Department of Veterinary Pharmacology and Toxicology, Veterinary College, Hebbal, Bengaluru - 560 032	Exosomal lncRNA expression profile of canine mammary tumor : Comparative analysis for developing point-of-care diagnostics	ECRA	Biological and Agricultural Sciences	5.00	5.00	10.00
5	Dr. Veena M, Assistant Professor, Department of Veterinary Parasitology, Karnataka Veterinary, Animal and Fisheries Sciences University, Nandinagar, Bidar - 585 401	Development of field diagnostic tool for detection of parasitic anemia in sheep	ECRA	Biological and Agricultural Sciences	5.00	5.00	10.00


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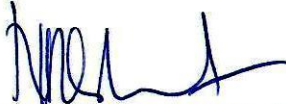

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List of proposals recommended by VGST for funding during the FY 2022-23

Scheme: Early Career Research Award (ECRA)

Sl. No.	Details of Principal Investigator	Title of the Project	Scheme	Subject	Funds to be released during the 1st year (Rs. in lakhs)	Funds to be released during the 2nd year (Rs. in lakhs)	Total Amount (Rs. in lakhs)
6	Dr. Harshitha M Jathanna, Assistant Professor, Department of Biotechnology Engineering, NMAM Institute of Technology, Nitte Post & Village, Nitte - 574 110, Karkala, Udupi	Cost-effective Nanocellulose Synthesis using Agricultural residues from Coastal Karnataka and Preparation of Nanocellulose Hydrogels for controlled release of fertilizers	ECRA	Biological and Agricultural Sciences	5.00	5.00	10.00
7	Dr. Shrinivas Deshpande, Scientist, Department of Agricultural Engineering, University of Agricultural Sciences, Bellary Road, Gandhi Krishi Vignana Kendra, Bengaluru - 560 065	Development of Standard Operating Procedure (SOP) and optimization of micronutrient dosage for selected crops through foliar application using Unmanned Aerial Vehicle (Drone)	ECRA	Biological and Agricultural Sciences	5.00	5.00	10.00
8	Dr. Pushpa K Kavatagi, Assistant Professor, Department of Botany, Vijayanagar College, Hosapete - 583 201, Bellary	Biotransformation and phytoremediation of heavy metals by Arbuscular Mycorrhizal Fungi from mining area	ECRA	Biological and Agricultural Sciences	5.00	5.00	10.00
9	Dr. Ravi Chandra Dutta, Assistant Professor, Department of Chemical Engineering, Indian Institute of Technology Dharwad (IIT Dharwad), WALMI Campus, Near High Court, Dharwad - 580 011	Understanding of Transport Barriers in Ultrathin Nano Materials	ECRA	Chemical Engineering	5.00	5.00	10.00


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Scheme: Early Career Research Award (ECRA)

Sl. No.	Details of Principal Investigator	Title of the Project	Scheme	Subject	Funds to be released during the 1st year (Rs. in lakhs)	Funds to be released during the 2nd year (Rs. in lakhs)	Total Amount (Rs. in lakhs)
10	Dr. Clament Sagaya Selvam, Assistant Professor, Department of Chemistry, Christ Deemed To Be University, Main Campus, Hosur Road, Bengaluru - 560 029	Development of Durable Catalysts/Electrodes for Alkaline Water Electrolyzers for Green Hydrogen Production	ECRA	Chemistry	5.00	5.00	10.00
11	Dr. Nagappa Teradal, Assistant Professor, Department of Chemistry, J S S Arts, Science and Commerce College, Gokak Main Road, Gokak - 591 307, Belagavi	Graphene Based Cross Selective Electrochemical Sensors for the Determination of Biologically Active Compounds in Pharmaceutical Formulations	ECRA	Chemistry	5.00	5.00	10.00
12	Dr. Goudappagouda, Assistant Professor, Department of Chemistry, H. K. E. Societies B. V. Bhoomaraddi Arts, Science and Commerce College, Basava Nagar, Opposite Big Bazar, Mannalli Road, Bidar - 585 403	Synthesis of Nanographene Liquids with Near-Infrared Phosphorescence	ECRA	Chemistry	5.00	5.00	10.00
13	Dr. Netravati Gayakwad, Assistant Professor, Department of Chemistry, K.L.E. Institute of Technology, Opp. to Airport, Gokul, Hubballi - 580 030	Effectiveness of the biodegradable plant leaves extract in controlling the rate of corrosion in metals like iron and aluminium and its alloy using HCl and H ₂ SO ₄ acid medium	ECRA	Chemistry	5.00	5.00	10.00
14	Dr. Binay Kumar Tripathy, Assistant Professor, Department of Civil Engineering, Manipal Institute of Technology, Udupi - Karkala Road, Eshwar Nagar, Manipal - 576 104, Udupi	Ultrasonication assisted removal of Per and poly fluoro alkyl substances from wastewater using green synthesized nanomaterial from <i>Lantana camera</i> plant leaves extract	ECRA	Civil Engineering	5.00	5.00	10.00


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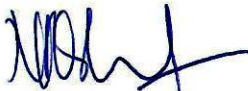

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Scheme: Early Career Research Award (ECRA)

Sl. No.	Details of Principal Investigator	Title of the Project	Scheme	Subject	Funds to be released during the 1st year (Rs. in lakhs)	Funds to be released during the 2nd year (Rs. in lakhs)	Total Amount (Rs. in lakhs)
15	Dr. Ashish Srivastava, Assistant Professor (Senior Grade), Department of Mechanical Engineering, Presidency University, Itgalpura, Rajanukunte, Yelahanka, Bengaluru - 560 064	Classification of Heat affected Zone upon grinding of AISI52100 bearing steel through deep learning based semantic segmentation technique	ECRA	Computational and Mathematical Sciences	5.00	5.00	10.00
16	Dr. Premkumar M, Associate Professor, Department of Electrical and Electronics Engineering, Dayananda Sagar College of Engineering, Shavige Malleshwara Hills, Kumaraswamy Layout, Bengaluru - 560 078	Design and Development of a Reliable Electrical Fault Detection, Classification, and Diagnosis Scheme for the Solar Photovoltaic Power Generation Systems	ECRA	Electrical and Electronics Engineering	5.00	5.00	10.00
17	Dr. Ambarish C N, Assistant Professor, PG Department of Biochemistry, St. Aloysius College (Autonomous), Light House Hill, PB No. 720, Kodialbail Post, Mangaluru - 575 003	Assessing the impact of pollution on marine Derived fungus on the west coast of India	ECRA	Geology, Earth & Environmental Sciences	5.00	5.00	10.00
18	Dr. Thyagaraj N R, Associate Professor and Head, Department of Mechanical Engineering, S J C Institute of Technology, P B No. 20, B B Road, Chickballapur - 562 101	Design, Development and Analysis of Hybrid Composites Made Up of Conventional and Non-Conventional Fibers for Automobile Body Panels	ECRA	Mechanical Engineering	5.00	5.00	10.00
19	Shri Virupakshappa S Konnur, Assistant Professor, Department of Mechanical Engineering, B.L.D.E.A'S V.P Dr. P.G. Halakatti College of Engineering & Technology, Ashram Road, Vijayapura - 586 103	Experimental evaluation of turning of EN9 (AISI 1055) steel with performance evaluation of coated carbide inserts and optimisation of turning parameters	ECRA	Mechanical Engineering	5.00	5.00	10.00


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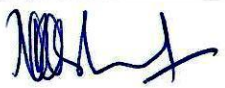

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Scheme: Early Career Research Award (ECRA)

Sl. No.	Details of Principal Investigator	Title of the Project	Scheme	Subject	Funds to be released during the 1st year (Rs. in lakhs)	Funds to be released during the 2nd year (Rs. in lakhs)	Total Amount (Rs. in lakhs)
20	Dr. Mrudula KS, Associate Professor, Department of Prasooti Tantra Evam Stree Roga, Yenepoya (Deemed to be University), University Road, Deralakatte, Mangaluru - 575 018	A Pre-Clinical Study to evaluate the efficacy of a novel herbo- mineral vaginal gel in <i>Candida vaginitis</i>	ECRA	Medical & Life Sciences	5.00	5.00	10.00
21	Dr. Savita Hulamani, Assistant Professor, Department of Food Processing and Nutrition, Karnataka State Akkamahadevi Women's University, Jnanashakti Campus, Torvi, Vijayapura - 586 105	Development of Region Specific Therapeutic Foods And Its Effect on Lipid Profile of CVD Subjects	ECRA	Medical & Life Sciences	5.00	5.00	10.00
22	Dr. Snehalata Narvekar, Lecturer, Department of Oral and Maxillofacial Surgery, KLE Deemed University, JNMC Campus, Nehru Nagar, Belagavi - 590 010	Evaluation of Efficacy of Exosomes Loaded Hydrogel for Targeted Delivery of Dental pulp Stem cells derived Therapeutics in Diabetic Wound Healing: <i>In Vitro study</i>	ECRA	Medical & Life Sciences	5.00	5.00	10.00
23	Dr. Jagadeesha Angadi V, Dean (Research and Innovation), Department of Physics, KLE's PC Jabin Science College, Hubli - Dharwad Highway, Vidya Nagar, Hubballi - 580 031	High-Performance Relaxor Ferroelectrics for energy storage capacitor applications	ECRA	Physics	5.00	5.00	10.00
24	Dr. Prem Kumar D S, Assistant Professor, Department of Physics, Reva University, Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru - 560 064	Futuristic Low-cost Ternary Metal Oxide Nano-material for Photovoltaic and Thermoelectric Applications	ECRA	Physics	5.00	5.00	10.00


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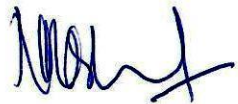

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Scheme: Early Career Research Award (ECRA)

Sl. No.	Details of Principal Investigator	Title of the Project	Scheme	Subject	Funds to be released during the 1st year (Rs. in lakhs)	Funds to be released during the 2nd year (Rs. in lakhs)	Total Amount (Rs. in lakhs)
25	Dr. Amith Yadav H J, Assistant Professor, Department of Physics, Davanagere University, State Highway 76, Tholahunase, Davanagere - 577 002	Synthesis and study of rare earth doped MgO Nanophosphor for display and latent fingerprint applications.	ECRA	Physics	5.00	5.00	10.00
26	Dr. Reshmi Varma P C, Assistant Professor, Department of Physics, MVJ College of Engineering, Near ITPB, Channasandra, Kadugodi Post, Bengaluru - 560 067	Study of lead free Perovskite solar cells for improved stability in ambient condition	ECRA	Physics	5.00	5.00	10.00
GRAND TOTAL					130.00	130.00	260.00


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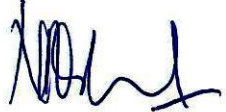

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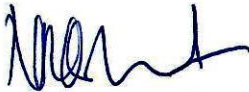
Scheme: Faculty Development Program (FDP)


Sl. No.	Details of Principal Investigator	Title of the Project	Scheme	Subject	One-time grant to be released (Rs. in lakhs)	Total Amount (Rs.in lakhs)
1	Dr. Pavithra G, Associate Professor, Department of Electronics & Communication Engineering, Dayananda Sagar College of Engineering, Shavige Malleshwara Hills, Kumaraswamy Layout, Bengaluru - 560 078	Emerging Technologies, Challenges & Research Prospectives in Healthcare w.r.t. Bio-Medical Imaging and Cancer Detection using AI, ML and Nanotechnological Concepts	FDP	Biological and Agricultural Sciences	3.00	3.00
2	Dr. Raja S, Additional Professor, Department of Chemical Engineering, Manipal Institute of Technology, Manipal, Udupi - Karkala Rd, Eshwar Nagar, Manipal - 576 104, Udupi	Advances and recent trends in environmental and energy applications of nanomaterials	FDP	Chemical Engineering	3.00	3.00
3	Dr. Shwetha A, Associate Professor, Department of Civil Engineering, Presidency University, Itgalpura, Rajanukunte, Yelahanka, Bengaluru - 560 064	Five-day Faculty development programme on "Beyond the Horizon: Innovative Engineering Practices with Drone-Based Surveying and Digital Mapping"	FDP	Civil Engineering	3.00	3.00
4	Dr. N Samanvita, Professor, Department of Electrical & Electronics Engineering, Nitte Meenakshi Institute of Technology, Gollahalli, Govindapura, P.B No. 6429, Yelahanka, Bengaluru - 560 064	Quantum Technologies and Their Emerging Applications	FDP	Computational and Mathematical Sciences	3.00	3.00
5	Ms. Veena A Patil, Assistant Professor, Department of Computer Science and Engineering, B.L.D.E.A'S V.P Dr. P.G. Halakatti College of Engineering & Technology, Ashram Road, Vijayapura - 586 103	Artificial Intelligence and Machine Learning Applications	FDP	Computer Science/Information Science Engineering/Information Technology	3.00	3.00


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Sl. No.	Details of Principal Investigator	Title of the Project	Scheme	Subject	One-time grant to be released (Rs. in lakhs)	Total Amount (Rs.in lakhs)
6	Ms. Sharmila N, Assistant Professor, Department of Electrical and Electronics Engineering, JSS Science and Technology University, JSS Technical Institutions Campus, Manasagangothri, Mysuru - 570 006	Innovation In Renewable Energy and Its Application	FDP	Electrical and Electronics Engineering	3.00	3.00
7	Dr. Raju Jadar, Associate Professor, Department of Mechanical Engineering, Ballari Institute of Technology & Management, Formerly Bellary Engineering College, "Jnana Gangothri" Campus, #873/2 Of Kolagal Village, Bellary - Hospet Road, Allipura, Bellary - 583 104	Nanotechnology and Its Role In Automotive Industry	FDP	Mechanical Engineering	3.00	3.00
8	Dr. Syeda Arshiya Ara, Professor and HoD, Department of Oral Medicine and Radiology, Al- Badar Rural Dental College and Hospital, Kotnoor, Gulbarga - 585 102	Dental Education Technology Workshop On Technology Enabled Teaching Learning & Assessment in Dentistry	FDP	Medical & Life Sciences	3.00	3.00
9	Dr. Guruprasad B, Senior Assistant Professor, Department of ECE, Alva's Institute of Engineering and Technology, Shobhavana Campus, Mijar, Moodbidri - 574 225, Dakshina Kannada	Workshop on MEMS design and characterization techniques	FDP	Nano Science & Technology	3.00	3.00
10	Dr. Aryaa Alok Ankalikar, Associate Professor, Department of Pharm-Chemistry, KLE College of Pharmacy, Hubli - Dharwad Highway, Vidyanagar, Hubballi - 580 031	Molecular Docking and 3-D printing technology- The Future of Pharma Field	FDP	Pharmacy	3.00	3.00
GRAND TOTAL					30.00	30.00


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Scheme: Award for Outstanding Research Publication (AORP)


Sl. No.	Details of Awardee	Scheme	Subject	One-time grant to be released (Rs. in lakhs)	Total Amount (Rs. in lakhs)
1	Dr. Naresh Kumar Mani, Associate Professor, Department of Biotechnology, Manipal Institute of Technology, Udupi - Karkala Road, Eshwar Nagar, Manipal - 576 104	AORP	Bio Technology	0.25	0.25
2	Dr. Jayachandra, Assistant Professor, Department of Biotechnology, B V V Sangha's Basaveshwar Engineering College, Nijalingappa Road, Bagalkot - 587 102	AORP	Bio Technology	0.25	0.25
3	Dr. Sreenivasa Nayaka, Assistant Professor, P.G. Department of Studies in Botany, Karnatak University, Pavate Nagar, Dharwad - 580 003	AORP	Biological and Agricultural Sciences	0.25	0.25
4	Dr. Prasanna B.D, Associate Professor, Department of Chemical Engineering, National Institute of Technology Karnataka, Srinivasnagar PO, Surathkal, Mangaluru - 575 025	AORP	Chemical Engineering	0.25	0.25
5	Dr. Nagaraj P Shetti, Associate Professor, Department of School of Advanced Sciences, KLE Technological University, BV Bhoomaraddi College Campus, Vidyanagar, Hubballi - 580 031	AORP	Chemistry	0.25	0.25


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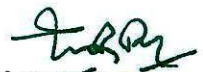
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Sl. No.	Details of Awardee	Scheme	Subject	One-time grant to be released (Rs. in lakhs)	Total Amount (Rs. in lakhs)
6	Dr. Bhari Mallanna Nagaraja, Professor, Centre for Nano and Material Sciences, Jain University, JGI Global Campus, Jakkasandra Post, Kanakapura Taluk, Ramanagara - 562 112	AORP	Chemistry	0.25	0.25
7	Dr. Manjunath S V, Assistant Professor, Department of Civil Engineering, B.M.S.College of Engineering, Post Box No. 1908, Bull Temple Road, Bengaluru - 560 019	AORP	Civil Engineering	0.25	0.25
8	Dr. B.M. Shankar, Associate Professor of Mathematics, Department of Science & Humanities, P.E.S. University, Hoskerekhalli, Bengaluru - 560 085	AORP	Computational and Mathematical Sciences	0.25	0.25
9	Dr. Pundikala Veeresha, Assistant Professor, Department of Mathematics, Christ Deemed To Be University Main Campus, Hosur Road, Bengaluru - 560 029	AORP	Computational and Mathematical Sciences	0.25	0.25
10	Dr. Gururaj H L, Associate Professor, Department of Information and Communication Technology, Manipal Institute of Technology, Govindapura, Yelahanka, Bengaluru - 560 064	AORP	Computer Science/Information Science Engineering/Information Technology	0.25	0.25
11	Dr. Rohit Babu, Assistant Professor, Department of Electrical and Electronics Engineering, Alliance University, Chikkahagade Cross, Chandapura- Anekal Main Road, Anekal, Bengaluru - 562 106	AORP	Electrical and Electronics Engineering	0.25	0.25
12	Dr. Shyam Lal, Assistant Professor, Department of Electronics and Communication Engineering, National Institute of Technology Karnataka, Srinivasnagar Post, Surathkal, Mangaluru - 575 025	AORP	Electronics and Communication Engineering / Telecommunication Engineering	0.25	0.25
13	Dr. Shylesha Channapattana, Professor, Department of Mechanical Engineering, KLS Vishwanathrao Deshpande Institute of Technology, Udyog Nagar, Dandeli Road, Haliyal - 581 329	AORP	Mechanical Engineering	0.25	0.25


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Sl. No.	Details of Awardee	Scheme	Subject	One-time grant to be released (Rs. in lakhs)	Total Amount (Rs. in lakhs)
14	Dr. Punnya V Angadi, Professor and Head, Department of Oral and Maxillofacial Pathology, KLE Vishwanath Katti Institute of Dental Sciences and Hospital, Nehrunagar, Belagavi - 590 010	AORP	Medical & Life Sciences	0.25	0.25
15	Dr. U Sandhya Shenoy, SERB Research Scientist, Department of Materials Science and Engineering, Srinivas University, Srinivas Nagar, Mukka, Surathkal, Mangaluru - 574 146	AORP	Metallurgical & Materials Engineering	0.25	0.25
16	Dr. Lakshmeesha T R, Assistant Professor, Department of Microbiology and Biotechnology, Bangalore University, Mysore Road, Jnana Bharathi, Bengaluru - 560 056	AORP	Nano Science & Technology	0.25	0.25
17	Dr. R. Naveen Kumar, Assistant Professor, Department of Mathematics, Dayananda Sagar College of Engineering, Shavige Malleshwara Hills, Kumaraswamy Layout, Bengaluru - 560 078	AORP	Nano Science & Technology	0.25	0.25
18	Dr. Jobin Jose, Associate Professor, Department of Pharmaceutics, N.G.S.M. Institute of Pharmaceutical Sciences, Paneer, Deralakatte, Mangaluru - 575 018	AORP	Pharmacy	0.25	0.25
19	Dr. Subhas S Karki, Professor, Department of Pharmaceutical Chemistry, KLE College of Pharmacy, 2nd Block, Rajajinagar, Bengaluru - 560 010	AORP	Pharmacy	0.25	0.25
20	Dr. H C Manjunatha, Associate Professor, Department of Physics, Government College for Women, Kolaramma Temple Road, Fort Area, Kolar - 563 101	AORP	Physics	0.25	0.25
GRAND TOTAL				5.00	5.00



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