



VISION GROUP ON SCIENCE AND TECHNOLOGY

Department of Electronics, IT, BT and S & T, Government of Karnataka

List of proposals recommended by VGST for Government grants during the year 2019-20

Scheme: Research Grant for Scientist/Faculty (RGS/F)

Sl. No.	Name of the Programme Co-ordinator with details	Title of the project	Subject	Funds to be released during the year 2019-20 (Rs. in lakhs)	Total Amount (Rs. in lakhs)	Cheque to be written in favour of	RTGS Details				
							Account Name	Account No.	IFS Code	Name of the Bank	Branch Name
1	Dr. Roopa Nayak, Assistant Professor, Department of Biotechnology, Manipal School of Life Sciences, Manipal Academy of Higher Education, Planetarium Complex, Manipal - 576104, Udupi District.	Evaluating the anthraquinone derivatives for inhibition of bio film formation and dispersion	Chemistry	3.00	3.00	Registrar, Manipal Academy of Higher Education	Manipal Academy of Higher Education	37983533287	SBIN0004426	State Bank of India	State Bank of India, Madhuvan Serai, Ground Floor, Near Smrithi Bhavan, Tiger Circle, Manipal - 576 104
2	Dr. Kailash S. Chadchan, Assistant Professor, Department of Engineering Chemistry, BLDES's V.P. Dr. P.G. Halakatti College of Engineering and Technology, Ashram Road, Vijayapura - 586 103.	Green Synthesis of Chitosan Encapsulated Silver Nanoparticles to control Pigeon pea wilt disease caused by Fusarium Oxysporum	Chemistry	3.00	3.00	Principal, BLDES's V.P. Dr. P.G. Halakatti College of Engineering and Technology, Ashram Road, Vijayapura - 586 103	Principal	170110049525	KKBK0008233	Kotak Mahindra Bank	No. 952 B 20, Sangam Buildings, S.S. Front Road, PB No. 64, Vijayapur - 586 101.
3	Dr. Nagananda.G.S, Assistant Professor, Centre for Incubation, Innovation and Consultancy (CIIRC), Jyothy Institute of Technology, Tataguni, Off Kanakapura Road, Bengaluru Rural District - 560 082.	An Innovative Approach to Mitigate Bacterial Contamination of Musa sp Explants in Tissue Culture Using Host-Specific Phages	Biology and Agricultural Sciences (BAS)	3.00	3.00	Centre for Incubation, Innovation, Research and Consultancy (CIIRC)	Centre for Incubation, Innovation, Research and Consultancy (CIIRC)	263401000000066	IOBA0002634	Indian Overseas Bank	Tataguni, Off Kanakapura Road, Bangalore-Rural - 560 082.
4	Dr. Sana Sheik, Assistant Professor, Department of Botany, St. Aloysius College, (Autonomous) Post Box No 720, Light House Hill Road, Mangaluru - 575 003.	Preparation and characterization of healthy and fungal infected plant extract loaded films for potential biomedical and bio remedial applications	Biology and Agricultural Sciences (BAS)	3.00	3.00	The Principal, St Aloysius college	SAC PG Loan Account	0046053000057652	SIBL0000046	South Indian Bank	Mangalore Main Branch, Balmatta Road, Hampankata, Mangaluru - 575 001.
5	Dr. Sandeep K M, Assistant Professor, Department of Physics, JSS Science and Technology University (Formerly Sri Jayachamarajendra College of Engineering), Mysuru - 570 006.	Zinc Oxide Based Flexible Piezoelectric Nanogenerators for Energy Harvesting Applications	Physics	3.00	3.00	The Principal, SJCE, Mysuru	Principal, SJCE	395000210000001 9	PUNB0395000	Punjab National bank	SJCE, Manasa Gangotri Campus Road, Mysuru- 570 006.
6	Dr. Kotresh M G, Assistant Professor, Department of Physics, Vijayanagara Sri Krishnadevaraya University, Jnana Sagar Campus, Vinayakanagar, Cantonment, Ballari-583 105.	Development of novel light harvesting complexes and biosensors by synthesizing various semiconductor/metal nanoparticles	Physics	3.00	3.00	Finance Officer, Vijayanagara Sri Krishnadevaraya University, Ballari-583 105	Finance Officer, Vijayanagara Sri Krishnadevaraya University, Ballari-583 105	3866101000989	CNRB0003866	Canara Bank	Canara Bank, Vijayanagara Sri Krishnadevaraya University campus, Janana Sagara Campus, Vinayaka Nagara, Contonment, Ballari - 583 105

7	Dr. Rayappa B Hosamani, Associate Professor, Department of Swasthavritta (Community Medicine in Ayurveda), B.V.V. Sangha's Ayurveda Medical College and Hospital, BVVS Old Campus, P.B.No.31, Belgaum Raichur Highway, Bagalkot – 587 101.	An in-vitro study on Anti-bacterial action of Dhavadi Bhasma in water purification : A potential natural herbal coagulant for water treatment	Medical and Life Sciences (MLS)	3.00	3.00	Principal, BVVS Ayurved Medical College & Hospital, Bagalkot	Principal, BVVS Ayurved Medical College & Hospital, Bagalkot	17842191000144	ORBC101784	Oritental Bank of Commerce	BVVS campus, Bagalkot - 587 101.
8	Dr. Alok Kumar Malaviya, Associate Professor, Department of Life Sciences, CHRIST (Deemed to be University), Hosur Road, Dharmaram Post, Bengaluru - 560 029.	Development of a unique herbal synbiotic solution for reducing blood cholesterol level	Medical and Life Sciences (MLS)	3.00	3.00	CHRIST (Deemed to be University)	CHRIST (Deemed to be University)	0 396053000081651	SIBL0000396	The South Indian Bank Ltd.	Christ University campus branch, Hosur Road, Bangalore - 560 029.
9	Dr.Nireeksha, Lecturer, Department of Conservative Dentistry and Endodontics, A B Shetty Memorial Institute of Dental Sciences, Nitte (Deemed to be University), Nithyanandanagar Post, Deralakatte, Mangaluru - 575 018.	Salivary Vitamin D Receptor Gene Polymorphism in Dental Caries	Medical and Life Sciences (MLS)	3.00	3.00	Nitte University	Nitte University	0 2452200037956	SYNB0000245	Syndicate Bank	ABSMENTS branch, Deralakatte, A.B. Shetty Memorial Institute of Dental Science Campus, Nithyanandanagar - 575 018.
10	Prof. Bhuvaneshwari Sharannavar, Assistant Professor, Department of Pharmaceutical Quality Assurance, KLE College of Pharmacy, Nehrunagar, Belagavi - 590 010.	Solubility enhancement in vitro characterization and in vivo evaluation of Rosuvastatin	Pharmacy	3.00	3.00	Principal, KLE College of Pharmacy, Belagavi	Principal, KLE College of Pharmacy, Belagavi	0 5042010105461	SYNB0000504	Syndicate Bank	JNMC Campus, Neharu Nagar, Belagavi
11	Prof.Prasanna Poojary, Lecturer, Department of Mathematics, Poornaprajna College and Post Graduate Centre, Udupi - 576 101.	Construction of pleated Boolean functions and its applications	Computational and Mathematical Sciences (CMS)	3.00	3.00	Poornaprajna College Udupi	Poornaprajna College Udupi	80225001 00674401	KARB0000802	Karnataka Bank	Carstreet Udupi
12	Dr. Mounesha Hanamantappa Kantli, Assistant Professor, Department of Mathematics, Biluru Gurubasava Mahaswamiji Institute of Technology, Mantur Road, Mudhol-587313. Dist: Bagalkot.	Wavelet Based Numerical Solutions of Differential Equations arising in Science and Engineering	Computational and Mathematical Sciences (CMS)	3.00	3.00	The Principal, Biluru Gurubasava Mahaswamiji Institute of Technology, Mantur Road, Mudhol-587313. Dist: Bagalkot	The Principal, Biluru Gurubasava Mahaswamiji Institute of Technology, Mantur Road, Mudhol	520101201097644	CORP0001019	Corporation Bank	Near BVV Sangha's Girls High School, MG Circle, Mudhol-587 313.
13	Dr. Ambarish C N, Assistant Professor, Department of Biochemistry, St. Aloysius College (Autonomous), Post Box No.720, Light House Hill Road, Mangaluru -575 003.	Study on the Ecotoxicity Effect of Micro plastics on Marine fauna on the Coast of Karnataka	Geology, Earth & Environmental Sciences (GEES)	3.00	3.00	The Principal	SAC PG Loan Account	00 46053000057652	SIBL0000046	South India Bank	Manglore Main Branch, Balmatta Road, Hampanakatta, Mangalore - 575 001
14	Dr. Raja Naika H, Assistant Professor, Department of Biotechnology, Tumkur University, B.H. Road, Tumkur - 572 103.	Biogenic Synthesis of Nano materials and their Environmental applications	Geology, Earth & Environmental Sciences (GEES)	3.00	3.00	Finance Officer, Tumkur University	Finance Officer	54040241380	SBIN000040850	State Bank of India	Tumkur University campus branch
15	Dr. Debabrata Karmakar Assistant Professor Department of Applied Mechanics and Hydraulics, National Institute of Technology Karnataka P.O Srinivasnagar, Surathkal Mangalore – 575025,	Desalination of seawater using wave and wind power	Civil Engineering	3.00	3.00	Director NITK	Director NITK	10175367556	SBIN0002273	State Bank of India	NITK Campus, Srinivasnagar, Mangalore - 575 025.

16	Dr. Lakshminanth S, Associate Professor, Department of Electrical & Electronics Engineering, Acharya Institute of Technology, Soladevanahalli Post, Bengaluru - 560 107.	Design and Develop high power fast charging DC charger of Electric Vehicles	Electrical & Electronics Engineering (EEE)	3.00	3.00	Principal, Acharya Institute of Technology	Acharya Institute of Technology	0 6599460000583	YESB0000659	Yes Bank	Yes Bank Ltd., Ground Floor, #18, Rajsri Chambers, New BEL, Bangalore - 560 054.
17	Dr. Basanagouda F Ronad, Professor, Department of Electrical and Electronics Engineering, Basaveshwar Engineering College, Bagalkot-587 102.	SPV based Outdoor Shelter for Street Vendors- Design, Implementation, Testing and Demonstration of Commercial Appliances with SPV Powered DC Distribution	Electrical & Electronics Engineering (EEE)	3.00	3.00	Principal, BEC Bagalkot	Principal, BEC Bagalkot	8684101001650	CNRB0008684	Canara Bank	BE College, Bagalkot Branch, BVV Complex Vidyagiri Bagalkot- 587 102.
18	Dr.Ramya K, Assistant Professor, Department of Electrical and Electronics Engineering, Sri Sairam College of Engineering, Saineo Nagar, Guddadahalli Post, Anekal, Bengaluru - 562 106.	Automatic Railway Track Cleaning Robot	Electrical & Electronics Engineering (EEE)	3.00	3.00	The Principal, Sri Sairam College of Engineering, Bengaluru	The Principal, Sri Sairam College of Engineering, Bengaluru	0 4372200158380	SYNB0000437	Syndicate Bank	Anekal Branch, Newpet, KSRTC Bus Stand, Bengaluru - 562 106.
19	Dr.Shylashree.N, Associate Professor, Department of Electronics and Communication Engineering, RV College of Engineering, R V Vidyanikethan Post, 8th Mile, Kengeri, Mysuru Road, Bengaluru - 560 059.	Preparation and Characterization of Chalcogenide Materials for Phase Change Memory applications	Electronics and communication Engineering (ECE)	3.00	3.00	Principal	The Principal	136010 112055	KKBK0008053	Kotak Mahindra Bank	RVCE, Branch, RVCE Campus, 8th Mile, mysore Road Bangalore - 560 059.
20	Dr. Veerendra Dakulagi, Associate Professor, Department of Electronics and Communication Engineering, Guru Nanak Dev Engineering College, Mailoor Road, Bidar-585 403.	Design of Smart Antennas for wireless communication	Electronics and Communication Engineering (ECE)	3.00	3.00	Principal, Guru Nanak Dev Engineering College, Mailoor Road, Bidar.	Dr. Ravindra Eklarker, Principal	37781086644	SBIN0040809	State Bank of India	SBI, GNDECB Mailoor Branch, Bidar
21	Dr.Surekha Borra, Professor, Department of Electronics and Communication Engineering, K.S. Institute of Technology, No.14, Raghuvanahalli, Kanakapura Main Road, Bengaluru - 560 109.	Development of Bioinspired Algorithms for Real Time Piracy Detection Systems based on Thermogram Analysis	Electronics and Communication Engineering (ECE)	3.00	3.00	VGST Grants, KSIT	VGST Grants, KSIT	149010100032626	ANDB0001490	Andhra Bank	K S Institute of Technology branch, No.3500/A, 80 Feet Road, Behind KS Polytechnic College, Off Kanakapura Main Road, Raghuvanahalli, Bengaluru - 560 062.
22	Prof. Poornima M Chanal Associate Professor Electronics and Communication Engineering Basaveshwar Engineering college(Autonomous) S. Nijalingappa Vidya nagar Bagalkot -587102	Intelligent Authentication Scheme for Internet things	Electronics and communication Engineering (ECE)	3.00	3.00	Principal	Principal	8684101001650	CNRB0008684	Canara Bank	BVV Complex, Vidyagiri, Bagalkot-587 102.
23	Prof.Gururaj S Kori Associate Professor, Department of Electronics and Communication Engineering Biluru Grubasava Mahaswamiji Institute of Technoogy, Mudhol-587 313.	Design and Development of Intelligent Resource allocation sceme for Wireless Sensor Networks	Electronics and communication Engineering (ECE)	3.00	3.00	Principal, BGMIT, Mudhol	Principal, Biluru Grubasava Mahaswamiji Institute of Technoogy, Mudhol-587 313.	520101201097644	CORP0001019	Corporation Bank	Near BVV Sangha's Girls High School, MG Circle, Mudhol-587 313.

24	Prof. B Kurshed, Assistant Professor, Department of Mechatronics, Sri Venkateshwara College of Engineering, Kempegowada International Airport Road, Vidyanagar, NH-7, Bengaluru - 562 157.	RFID based Anti-theft and Automatic Toll Collection System	Mechanical Engineering (ME)	3.00	3.00	Sri Venkateshwara College of Engineering	Sri Venkateshwara College of Engineering	17461450000028	HDFC0001746	HDFC Bank	Hunsamaranahalli, Bengaluru.
25	Dr Dinesh P, Associate Professor, Department of Mechanical and Manufacturing Engineering, Manipal Institute of Technology, Mainool-576 104.	Design and development of selective catalytic reduction modules for NOx reduction from compression ignition engines	Mechanical Engineering (ME)	3.00	3.00	Manipal Academy of Higher Education	VGST Grants - SMYSR	32272423075	SBIN0004426	State Bank of India	Madhuvan Serai, Ground Floor, Near Smrithi Bhavan, Tiger Circle, Manipal - 576 104.
26	Dr. Jeevan T.P, Assistant Professor, Department of Mechanical Engineering, Malnad College of Engineering, Hassan - 573 202.	Experimental investigation on Machining performance of cutting fluids derived from blended non edible vegetable oil	Mechanical Engineering (ME)	3.00	3.00	The Pricipal, Malnad College of Engineering, Hassan	The Pricipal, Malnad College of Engineering, Hassan	14053070001574	SYNB0001405	Syndicate Bank	Malnad College of Engineering Branch, Salagame Road, Hassan - 573 201.
27	Dr. Ramya Hariharan, Assistant Professor, Department of Physics, B.M.S. College of Engineering, Bull Temple Road, Basavanagudi, Bengaluru - 560 019.	Combined Studies of Materials Discovery with Machine Learning and Experimentation for the Development of High Performance Piezoelectric Materials	Metallurgical & Materials Engineering (M & M)	3.00	3.00	M/s. VGST Grants	M/s. VGST Grants	50077625295	ALLA0212011	Allahabad Bank	Hanumanthnagar branch, BMS College of Engineering campus, Bengaluru - 560 019.
28	Dr. Prashant S. Humnabad, Assistant Professor, Department of Mechanical Engineering, Sri M Visvesvaraya Institute of Technology, Hunasamaranahalli, Yelahanka, International Air Port Road, Bengaluru - 562 157.	Solid State Welding of Ferrous and Non-Ferrous Materials for Automobile and Aviation Industrial Application	Materials and Metallurgical Engineering (M & M)	3.00	3.00	Principal Sir MVIT, Bengaluru	Principal Sir MVIT, Bengaluru	183110000011	KKBK0008084	Kotak Mahindra Bank	Sri M Visvesvaraya Institute of Technology campus branch, Hunasamaranahalli, Yelahanka, International Air Port Road, Bengaluru - 562 157.
29	Dr. Sowmya. B. J, Assistant Professor, Department of Computer Science and Engineering, M S Ramaiah Institute of Technology, MSR Nagar, MSR Post, Mathikere, Bengaluru - 560 054.	Technology Development and Automation of Hydroponic Farms in Urban areas using enhanced precision farming by incorporating IoT and Cyber Physical System	Computer Science and Engineering (CSE)	3.00	3.00	The Principal, M S Ramaiah Institute of Technology	The Principal, MSRIT, Bengaluru	141201010000960	VJUB0001412	Vijaya Bank	MSRIT branch, MSR Nagar, Mathikere, Bangalore - 560 054.
30	Dr. Ashwini. K, Associate Professor, Department of Computer Science and Engineering, Global Academy of Technology, Ideal Homes Township, Rajarajeshwarinagar, Bengaluru - 560 098.	Quantitative analysis of prospective data to predict the likelihood of PCOD based on physical and psychological factors that affect young adult women using Machine learning	Computer Science and Engineering (CSE)	3.00	3.00	The Principal, Global Academy of Technology	The Principal, Global Academy of Technology	143510011000200	ANDB0001435	Andhra Bank	124, Jawaharlal Nehru Road, IV Stage, 3rd Block, 4th Stage, RR Nagar, Bengaluru - 560 098.
31	Prof.Abbhishek S. Rao, Assistant Professor, Department of Information Science & Engineering, NMAM Institute of Technology, Nitte - 574 110, Karkala Taluk, Udupi District.	Design of a Classifier for Early Prediction of Measles Disease	Computer Science and Engineering (CSE)	3.00	3.00	Principal, NMAM Institute of Technology, Nitte	Nitte Education Trust	0 1152200045230	SYNB0000115	Syndicate Bank	Nitte Campus, Nitte-574 110, Karkala Taluk Karnataka.
32	Dr.S.Shanmuga Priya, Associate Professor, Department of Chemical Engineering, Manipal Institute of Technology, Manipal Academy of Higher Education (MAHE), Manipal - 576 104.	Photocatalytic conversion of carbon dioxide to methanol using ZIF-8/BiVO ₄ /GO and rGO/CuO nanocomposites as an adsorbent material	Chemical Engineering	3.00	3.00	Manipal Academy of Higher Education	Manipal Academy of Higher Education	38713985758	SBIN0004426	State Bank of India	Madhuvan Serai, Ground floor, Near smithi bhavan, Tiger Circle Manipal - 576 104.

33	Dr. Blessy Baby Mathew, Assistant Professor, Department of Biotechnology, Dayananda Sagar College of Engineering, Shavige Malleshwara Hills, 91st Main Road, 1st Stage, Kumaraswamy Layout, Bengaluru- 560 078.	Novel design and development of a filtration unit to convert floodwater to drinking resource using graphene based nanocomposites	Biotechnology	3.00	3.00	Principal, Dayananda Sagar College of Engineering.	Dayananda Sagar College of Engineering	141101010010650	VJIB0001411	Vijaya Bank (Bank of Baroda)	Dayananda Sagar College of Engineering Branch, Kumara Swamy Layout, Bengaluru - 560 078.
34	Dr. Shobha. G, Assistant Professor, Department of Biotechnology, Sathagiri College of Engineering, No.14/5, Chikkasandra, Hesarghatta Main road, Bengaluru - 560 057.	Development of Ecofriendly Biopolymer by cross linking of Agar and Glycerol deived from Biodiesel for domestic purpose	Biotechnology	3.00	3.00	Administrator, Sathagiri College of Engineering	Administrator, Sathagiri College of Engineering	30270254259	SBIN0010499	State bank of india	Near Sathagiri College of Engineering, 14/5, Chikkasandra, Hesargatta Main Road, Bangalore - 560 057.
35	Prof.Chandan Kumar Sahu, Assistant Professor, CIIRC Jyothy Institute of Technology, Tataguni Off Kanakapur Road, Bengaluru - 560 082.	Enhancement of nutritional properties of finger millet (Eleusine coracana) by germination and fortification for development of affordable millet flour	Biotechnology	3.00	3.00	Centre for Incubation, Innovation, Research and Consultancy (CIIRC)	Centre for Incubation, Innovation, Research and Consultancy (CIIRC)	263401000000066	IOBA0002634	Indian Overseas Bank	Tataguni, Off Kanakapura Road, Bangalore-Rural - 560 082.
36	Dr. Nidhin M, Assistant Professor, Department of Chemistry, Christ University (Deemed to be University), Hosur Road, Bavani Nagar, S G Palya, Bengaluru - 560 029.	Facile synthesis of nanomaterials for the bio-degradation of plastics	Nano Science & Technology (NST)	3.00	3.00	CHRIST (Deemed to be University)	CHRIST (Deemed to be University)	0 396053000081651	SIBL0000396	The South Indian Bank Ltd.	Christ University Campus, Hosur Road, Bangalore - 560 029.
37	Dr. Rajesh N. Hegde, Assistant Professor, Department of Chemistry, Sri Dharmasthala Manjunatheshwara College (Autonomous), Ujire - 574 240, Dakshina Kannada District.	Development of eco-friendly nanocomposites based electrochemical sensors for assessing anabolic-androgenic steroids and to study their interaction with DNA	Nano Science & Technology (NST)	3.00	3.00	The Principal	The Principal	180201010006007	VJIB0001802	Vijaya Bank (Now Bank of Baroda)	SDM College Campus Branch, Ujire- 574 240, Belthangady Taluk, D. K. District.
38	Dr. V. Thivaharan , Asociate Professor, Department of Biotechnology, Manipal Institute of Technology (MIT), Manipal Academy of Higher Education (MAHE), Manipal - 576 104.	Arsenic removal from drinking water using magnetic nanoadsorbents synthesized using indigenou macroalgae	Nano Science & Technology (NST)	3.00	3.00	Manipal University Research Unit	Manipal University Research Unit	32152923733	SBIN0004426	State Bank of India	Madhuvan Serai, Ground Floor, Near Smrithi Bhavan, Tiger Circle, Manipal - 576 104.
GRAND TOTAL				114.00	114.00						