



**VISION GROUP ON SCIENCE AND TECHNOLOGY**

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

**List of proposals recommended by VGST for Government grants during the year 2018-19**

**Scheme: Karnataka Fund for Infrastructure Strengthening in Science and Technology (K-FIST L1)**

Sl.No.	Name of the Programme Co-ordinator with details	Title of the project	Subject	Funds to be released during the year 2018-19 I Phase (Rs. in lakhs)	Funds to be released during the year 2019-20 II Phase (Rs. in lakhs)	Total Amount (Rs. in lakhs)	Cheue to be written in favour of
1	Dr. D. Nandeesh, Professor, Civil Engineering Department, Siddaganga Institute of Technology, B.H.Road, Tumakuru - 572 103.	An Assesment of Aquifer Characteristics and Hydrochemistry of Groundwater using Isotopes tecniques in Pavagada Taluk of Tumkur District, Karnataka	Geology, Earth & Environmental Sciences	10.00	10.00	20.00	The Principal, Siddaganga Institute of Technology, Tumakuru
2	Dr. Ravishankar. K. S, Assistant Professor, Department of Metallurgical & Materials Engineering, National Institute of Technology-Karnataka (NITK), Surathkal PO Srinivas Nagar, Mangalore - 575 025.	Development of structural polymer composites from natural fiber/particulate reinforced materials	Metallurgical & Materials Engineering	10.00	10.00	20.00	The Director, NITK, Surathkal
3	Dr. Antony Prakash Monteiro, Assistant Professor, Department of Physics, St. Philomena College, Puttur, Philonagar, Darbe, Puttur, D.K. - 574 202.	Establishing the center for Theoretical Nuclear and Particle Physics for Advanced Studies	Physics	10.00	10.00	20.00	The Principal, St. Philomena College, Puttur

4	Dr. M.N. Manjunatha, Assistant Professor, Department of Chemistry, M.S.Ramaiah Institute of Technology, Vidya Soudha, M.S.Ramaiah Nagar, MSRIT Post, Bengaluru - 560 054.	Anticancer activity and molecular modeling studies of transition metal complexes with novel substituted benzimidazole derivatives	Chemistry	10.00	10.00	20.00	The Principal, MSRIT, Bengaluru
5	Dr. Swastika. N. Das, Professor & HOD, Department of Chemistry, BLDEA's Vachana Pitamaha Dr.P.G.Halakatti College of Engineering and Technology, Ashram Raod, Vijayapura - 586 103.	"Electrochemical Analysis of Biologically Active compounds by using Assimilated Sensor Electrodes"	Chemistry	10.00	10.00	20.00	The Principal, BLDEA's Vachana Pitamaha Dr.P.G.Halakatti College of Engineering and Technology, Vijayapura
6	Dr. Raju. B. R, Professor & HoD, Department of Automobile Engineering, The Oxford College of Engineering, 10th Milestone, Bommanahalli, Hosur Road, Bangalore - 560 068.	Establishing the facility for design, synthesis and characterization of Nano hybrid composites for Agriculture applications	Biological and Agricultural Sciences	10.00	10.00	20.00	The Principal, The Oxford College of Engineering, Bengaluru
7	Dr. M. Ramananda Bhat, Professor, Department of Biotechnology, Manipal Institute of Technology, Manipal - 576 104.	Solid state fermentative production and optimization of inulinase enzyme	Biotechnology	10.00	10.00	20.00	The Director, Manipal University Research Unit, Manipal
8	Dr. Roopa. K. B, Assistant Professor, Department of Biotechnology, Siddaganga Institute of Technology, Tumakuru - 572 103.	Biodegradation and decolorization of Malachite green using native microbes from textile effluents	Biotechnology	10.00	10.00	20.00	The Principal, Siddaganga Institute of Technology, Tumakuru
9	Dr. B.E.Rangaswamy, Dean, R & D and Professor & Head, Department of Biotechnology & Research Centre, Bapuji Institute of Engineering & Technology, Post Box No.325, Shamanur Road, Davanagere - 577 004.	Microbial Cellulose a Natural Biopolymer: Production and its Biomedical application"	Biotechnology	10.00	10.00	20.00	The Principal, Bapuji Institute of Engineering & Technology, Davanagere
10	Dr. A.N. Rajeshwara, Professor, Department of Biochemistry, Kuvempu University, Jnana Sahyadri, Shankaraghatta - 577 451. Shivamogga District	Endemicity of P. Vivax Malaria in Mangalore	Medical and Life Sciences	10.00	10.00	20.00	The Registrar, Kuvempu University, Shankaraghatta

11	Dr. Sureka B. Hippargi, Professor, Department of Pathology, BLDE (Deemed to be Univeristy), Shri B.M.Patil Medical College, Hospital & Research Centre, Smt.Bangaramma Sajjan Campus, Solapur Road, Vijayapura - 586 103.	Implementation of mobile camp for cervical cancer screening programs	Medical and Life Sciences	10.00	10.00	20.00	The Principal, Shri B.M.Patil Medical College, Hospital & Research Centre, Vijayapura
12	Dr. Srinivas Mutalik, Professor, Department of Pharmaceutics, Manipal College of Pharmaceutical Sciences, MAHE, Manipal, Udupi District - 576 104.	Nanotechnology and Herbal medicine : Convergence of effective treatment of hepatitis	Pharmacy	10.00	10.00	20.00	The Director, Manipal University Research Unit, Manipal
13	Dr. B.V. Basavaraj, Associate Professor, Department of Pharmaceutics, MS Ramaiah University of Applied Sciences, MSRIT Post, MSR Nagar, Bengaluru - 560 054.	Development of a reversible cervix plug as a novel next generation contraceptive device	Pharmacy	10.00	10.00	20.00	MSRUAS - Grants and Research Funds, Bengaluru
14	Dr. Girisha.K.B, Professor, Department of Mechanical Engineering, Don Bosco Institute of Technology, Mysore Road, Kumbalagodu, Bengaluru - 560 074.	Characterization and Property Evolution of Zirconium Nano Reinforced Aluminium Alloy Nano Metal Matrix Composites (A356.1)	Mechanical Engineering	10.00	10.00	20.00	The Principal, Don Bosco Institute of Technology, Bengaluru
15	Dr. G. Krishna Murthy, Associate Professor, Department of Chemistry, Sahyadri Science College, A Constituent College of Kuvempu University, Shivamogga - 577 203.	Synthesis, characterization and photocatalytic Activity of NS-rGO@Se/Na- doped-Tio2: enhanced catalytic performance for Hydrogen production	Nano Science and Technology	10.00	10.00	20.00	The Principal, Sahyadri Science College, Shivamogga
16	Dr. Bharathi Malakreddy A, Professor & PG Co-ordinator, Department of Computer Science and Engineering, BMS Institute of Technology and Management, Dodaballapur Road, Avalahalli, Yelahanka, Bengaluru - 560 064.	Establishment of Centre for Design and Research of Healthcare Applications using Artificial Intelligence	Computer Science and Engineering	10.00	10.00	20.00	The Principal, BMSIT & M, Bengaluru

17	Dr. Saritha Chakrasali, Professor, Department of Information Science & Engineering, BNM Institute of Technology, 12th Main Road, 27th Cross, Banashankari Stage 2, Banashankari, Bengaluru - 560 070.	GPGPU Computing for computationally complex problems	Information Science & Engineering	10.00	10.00	20.00	The Principal, BNMIT, Bengaluru
18	Dr. Latha.M. S, Associate Professor, Department of Civil Engineering, Sri Venkateshwara College of Engineering, Vidyanagar, BIAL Road, Bengaluru - 562 157.	Lateral Stress Confinement of Stabilised Coir Blocks	Civil Engineering	10.00	10.00	20.00	The Principal, Sri Venkateshwara College of Engineering, Bengaluru
19	Dr. Vijaya. C, Professor, Department of Electronics and Communication Engineering, S D M College of Engineering and Technology, Davalagiri, Dharwad - 580002.	Establishment of advanced communication laboratory to create teaching and research facility for Software Defined Radio (SDR)	Electronics and Communication Engineering	10.00	10.00	20.00	The Principal, S D M College of Engineering and Technology, Dharwad
20	Dr. Sumaiya. M. N, Associate Professor, Department of Electronics & Communication Engineering, Dayananda Sagar Academy of Technology and Management, Opp. Art of Living, Udayapura, Kanakapura Road, Bengaluru - 560 082.	Advance image processing laboratory to develop signal/image processing algorithms, SAR image change detection algorithms to monitor critical changes	Electronics and Communication Engineering	10.00	10.00	20.00	The Principal, Dayananda Sagar Academy of Technology and Management, Bengaluru
21	Dr. Neetu Srivastava, Assistant Professor, (S.G), Department of Mathematics, Amrita School of Engineering, Kasavanahalli, Carmelaram Post, Bengaluru - 560 035.	Mathematical modelling of room acoustics to mitigate acoustical disturbance	Computational & Mathematical Sciences	10.00	10.00	20.00	The Associate Dean, Amrita School of Engineering, Bengaluru
22	Dr. S. Senthil, Professor & Director, Department of School of Computer Science and Applications, Reva University, Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru - 560 064.	Development of a Prediction model to identify At-Risk students using heart rate data	Computational & Mathematical Sciences	10.00	10.00	20.00	The Registrar, Reva University, Bengaluru

23	Dr. Shivanand. Y. Adaganti, Associate Professor, Department of Chemical Engineering, SDM College of Engineering and Technology, Davalagiri, Dharwad - 580 002.	Production, Characterization and Utilization of Fuel Oil derived from Waste Windshield	Chemical Engineering	10.00	10.00	20.00	The Principal, SDM College of Engineering and Technology, Dharwad
24	Dr. Basavaraj. M. Shrigiri, Professor & Head, Department of Mechanical Engineering, Hirasugar Institute of Technology, Nidasoshi, Hukkeri Taluk, Belagavi District, 591 236.	Study on performance characteristics of variable compression ration (VCR), common Rail Direct Injection Diesel engine with Exhaust Gas Recirculation to suggest best alternative fuels	Mechanical Engineering	10.00	10.00	20.00	The Principal, Hirasugar Institute of Technology, Nidasoshi
25	Dr. Virupaxappa. S. Yaliwal, Assistant Professor, Department of Mechanical Engineering, SDM College of Engineering and Technology, Davalgiri, Dharwad - 580 002.	Influence of manifold and port injection of hydrogen on the combustion characteristics of diesel engine operated on tri-fuel mode using biodiesel of diary scum waste and low calarific value gas derived from municipal solid waste	Mechanical Engineering	10.00	10.00	20.00	The Principal, SDM College of Engineering and Technology, Dharwad
26	Dr. Chidanandappa R, Assistant Professor, Department of Electrical and Electronics Engineering, The National Institute of Engineering, Manandavadi Road, Mysuru - 570 008.	Establishment of Real time monitoring system R&D Facility for efficient operation of Campus Power distribution network	Electrical and Electronics Engineering	10.00	10.00	20.00	The Principal, The National Institute of Engineering, Mysuru
<b>GRAND TOTAL</b>				<b>260.00</b>	<b>260.00</b>	<b>520.00</b>	