

Government of Karnataka
Vision Group on Science and Technology
Department of Information Technology, Biotechnology and Science & Technology

**KARNATAKA FUND FOR INFRASTRUCTURE STRENGTHENING IN SCIENCE AND TECHNOLOGY
IN HIGHER EDUCATIONAL INSTITUTIONS (K-FIST) – LEVEL - I**

**RECOMMENDED LIST OF K-FIST (Level – I) PROPOSALS BY VGST – SUBCOMMITTEE
TO RECEIVE VGST GRANTS FOR THE FY 2014-15**

SL. NO.	NAME & ADDRESS OF THE INSTITUTION/COLLEGE	NAME OF THE DEPARTMENT	PROPOSAL TITLE	NAME OF THE PROGRAMME CO-ORDINATOR	CATEGORY
1	Gulbarga University Post Graduate Centre, Raichur	Electronics and Instrumentation	Establishment of State of the Art Laboratory for PG Program and Research in Instrumentation Technology	Dr. Parvathi C Sidaraddi	* HKRDP
2	Rajiv Gandhi Education Society's Ayurvedic Medical College, Hospital and P.G. Research Centre, Ron Taluk, Gadag Dist	Dravyaguna	Upgradation of Ayurvedic Research Analytical Lab	Dr. Manjunath Ajanal	* BKT
3	Alliance College of Engineering and Design, Alliance University, Anekal Taluk, Bangalore	Physics	Quantum Cascade Laser Based Breath Analyzer for Medical Diagnosis and Environmental Monitoring	Dr. Ullas Gurudas	* BKT
4	Guru Nanak Dev Engineering College, Bidar	Automobile Engineering	Experimental Investigations on preparation of Bio Diesel and its use for compression Ignition Engine	Prof. Nandkishore D Rao	* HKRDP
5	Visvesvaraya Technological University, Post Graduate Center, Mysore	Thermal Power Engineering	Development of Research facilities on Biodiesel fuel Testing and Internal Combustion Engines Lab	Dr. Mallikarjunayya C Math	-
6	Government First Grade College, T. Narasipura	Physics	To provide infrastructure for physics laboratory	N. Nasir Ahamed	* BKT
7	St. Joseph Engineering College, Vamanjoor, Mangalore	Mechanical Engineering	Effect of alloying elements and process Variables on the properties of Al-Si alloys produced by Spray forming	Dr. Raju K	-
8	JSS College of Pharmacy, Mysore	Pharmacology	Chemoprotective Effects of Noni (Morinda Citrifolia) juice against Anticancer drugs induced toxicity - A preclinical and Clinical Study.	Dr. S.N. Manjula	-

9	Sahyadri College of Engineering and Management Mangalore	Computer Science and Engineering	Creating the facility for advancing research in area of computer vision and allied areas - (Multi Stage detection System for violent activities in Crowd through Visual, gesture and Cognitive modeling)	Sarvesh Vishwakarma	-
10	Sri Krishna Institute of Technology, Chikkabanavara, Bangalore	Mechanical Engineering	Establishing the facility for Modernizing the material testing Laboratory	Dr. K.M. Kenchi Reddy	-
11	Vivekananda College of Pharmacy, Bangalore	Pharmaceutical Chemistry	Preparation of Lignin - rich Nanoparticles from Naturals Fibers and their Application in Drug Delivery Systems	Anupama Rangan	-
12	Sri Jagadguru Chandrashekaranatha Swamiji Institute of Technology, Chickballapur	Mechanical Engineering	Spray Atomization and deposition Process	Dr. Devaraj S	-
13	East point College of Engineering and Technology, Bangalore	Electronics and Communication Engineering	See – Through Wall Imaging System for search and rescue operations	Mr. Hemanth Kumar G	-
14	Channabasaveshwara Institute of Technology, Gubbi Taluk, Tumkur Dist.	Electronics and Communication Engineering	Modernization of Embedded System Design & Industrial Automation lab	MR. R. Sekar	* BKT
15	Atria Institute of Technology, Bangalore	Electronics and Communication Engineering	Establishment of Advanced signal processing Laboratory – Air borne character recognition system	Sundari Tribhuvanam	-
16	East West Institute of Technology, Bengaluru	Science & Humanities (Physics)	Development of novel Nanophosphor materials for Dosimetry and display Applications	Dr. Prashantha S.C.	-
17	BMS College of Engineering, Bull temple road, Bangalore	Biotechnology	Protein Profiling of mammalian Cells Treated with withanolides to relieve Oxidative Stress	Dr. Savithri Bhat	-
18	Dayananda Sagar College of Pharmacy, Bangalore	Pharmacology	Bioactivity Guided Isolation & Characterization of Potent Biomolecules for Anti-Asthmatic Activity in Calotropis Gigantea	N.B. Sridharamurthy	-
19	People's Education Society Institute of Technology, Bangalore	Chemistry	Electromagnetic Interference Shielding Effectiveness (EMI-SE) Measurement Facility	Dr. Revanasiddappa M	-
20	Basaveshwara Engineering College, Bagalkot	Mechanical Engineering	Smart Composites Structures Research Center (SCSRC)	Shravankumar B Kerur	-

21	BMS College of Engineering Basavanagudi, Bangalore - 19	Medical Electronics	Infrastructure Enhancement of Biomedical Wireless Data Acquisition Facilities in Biomedical Signal Processing Lab	Dr. H.N. Suma	-
22	Ballari Institute of Technology and Management, Bellary	Mechanical Engineering	Studies on magnetostrictive actuator for disc brake application	Prof. Raghavendra Joshi	* HKRDP
23	Bangalore Institute of Technology, Bangalore	Master of Computer Applications	Reverse Engineering the Existing Programming System to be Amenable for Multi - Core Architecture Using UML & Program Slicing Techniques	Prof. A.M. Shivaram	-
24	Sha – Shib College of Engineering Gudibande taluk, Chickballapur Dist.-	Mechanical Engineering	Investigation of Properties of Carbon Black Reinforced Aluminium metal Matrix Composites	K.G. Srinivas	* BKT
25	PES College of Engineering, Mandya	Electronics and Communication Engineering	Establishment of Medical Image Analysis Laboratory	Dr. H.S. Sheshadri	-
26	Adichunchanagiri Institute of Technology, Chikmagalur	Information Science and Engineering	Development and Analysis of MPI and PVM for High Speed Computation Using Cluster Based Architecture	Sampath S	-
27	P.D.A. College of Engineering Gulbarga	Civil Engineering	Strength and Durability Study of Geopolymer Concrete	Dr. Suresh G Patil	* HKRDP
28	Kalpataru Institute of Technology, Tiptur	Mechanical Engineering	To provide "Infrastructure Research work on Tribological Studies"	Dr. T.M. Chandrashekharaiiah	-
29	Bheemanna Khandre Institute of Technology, Bhalki, Bidar Dist.	Electronics and Communication Engineering	Design of Photonics Communication System	Dr. Sanjaykumar Gowre	* HKRDP
30	Narayana Nethralaya Foundation Bangalore	GROW Research Laboratory	Advanced Regenerative medicine for blinding disorders : Gene and stem Cell therapy for retinal degeneration	Dr. Arkasubhra Ghosh	* BKT

* **SELECTED UNDER SPECIAL DEVELOPMENT PROGRAMME (SDP) - Educational institutes located in Backward Talukas of the state. GoK.,**

* **SELECTED UNDER HYDERABAD KARNATAKA RURAL DEVELOPMENT PROGRAMME (HKRDP) SCHEME OF GOK.**

**Vision Group on Science and Technology
Department of IT, BT and S & T
Government of Karnataka**