



Government of Karnataka

Vision Group on Science and Technology

Department of Information Technology, Biotechnology and Science and Technology

KARNATAKA FUND FOR INFRASTRUCTURE STRENGTHENING IN SCIENCE & TECHNOLOGY K-FIST LEVEL (2)

SELECTED LIST OF K-FIST(L2) PROPOSALS BY VGST – SUBCOMMITTEE (FY: 2016-17)

SL No	College / Institution	Programme Coordinator and Department	Title of the project
1	Rani Chennamma University Belagavi	Dr. Narasimha H Ayachit Physics	Optoelectronics applications of dye-sensitized ZnO nanostructures.
2	B V B College of Engineering Hubballi	Dr. Ashok M Sajjan Chemistry/ Center of Material Science	Development of Novel Nano-composite hybrid polymer membranes for pervaporation separation of water from industrial waste organic solvents.
3	B M S College of Engineering Bengaluru	Dr. M S Dharmaprakash Chemistry	Fluoride removal in potable water using zirconia based hybrid Nano materials - A remedy for fluoride water treatment.
4	N.M.K.R.V College for Women Bengaluru	Dr. G. S Suresh Chemistry	Development anode materials for rechargeable Lithium- ion batteries
5	SDM College of Ayurveda Kuthpady, Udupi	Dr. Premalatha Shetty Biotechnology and Microbiology	Upgrading the In-vitro study facility for establishment of centre of excellence for cytotoxicity and genotoxicity studies to screen natural products for their potential and detoxifying agents.

6	K S Hegde Medical Academy Mangalore	Dr. Sucheta kumari N Biochemistry	Molecular screening of Polycystic Ovary Syndrome(PCOS) in Dakshina Kannada.
7	A M I T, St. Aloysius College Mangalore	Prof. Ruban S Computer Applications.	Setting up Big Data Lab and using analytics to identify and manage high risk and high cost patients in nearby hospitals.
8	Kasturba medical college, Mangalore	Dr. Surendra U Kamath Orthopedics	Study of acoustic dynamics and volumetric flow analysis to assess arterial perforators by Doppler ultrasound and its quantification by computer simulations and biofluid physics.
9	Center for P.G Studies VTU Belagavi	Dr. T C Thanuja VLSI Design and Embedded Systems	VTU Software defined Radio Lab.
10	H M S Institute of Technology Tumakuru	Dr. Joel Hemanth Mechanical Engineering	Development & corrosion behavior of chilled aluminum alloy (LM13) reinforced with Nano ZrO ₂ metal matrix composites (CNMMCs).
11	Bheemanna Khandre Institute of Technology Bhalki Bidar District	Dr. Nagashettappa Biradar Electronics and Communication Engineering	Design and Implementation of Echocardiographic Image Processing Techniques using FPGA for assessment of aortic Regurgitation
12	Bheemanna Khandre Institute of Technology Bhalki Bidar District	Dr. B Surya Kant Electronics and Communication Engineering	Design and development of planer antennas for wireless and WI-MAX applications.

13	CMR Institute of Technology Bengaluru	Dr. Phani Kumar Pullela Chemistry	Desalination of sea sand using fly ash -Nano materials to curb illegal sand mining in Karnataka river basins.
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