

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

**SEED MONEY TO YOUNG SCIENTIST FOR RESEARCH (SMYSR)**

**RECOMMENDED LIST OF SMYSR PROPOSALS BY VGST – SUBCOMMITTEE  
TO RECEIVE VGST GRANTS FOR THE FY 2014-15**

SI. No.	NAME OF THE YOUNG SCIENTIST AND DEPARTMENT	NAME & ADDRESS OF THE INSTITUTION/COLLEGE	PROPOSAL TITLE	CATEGORY
1	<b>KEERTHI GOWDA BS</b> Structural Engineering	Centre for post graduate studies, Mysore	Study on Banana and Jute Fiber Reinforced polymer matrix composites as alternative partition wall paneling system	-
2	<b>DR. SIDDESH GM</b> Information Science and Engineering	M.S. Ramaiah Institute of Technology Bangalore	Design and development of assistive internet of things (IOT) architectural framework for enhancing the quality of life of physically challenged people	-
3	<b>DR. SANTOSHKUMAR KORI</b> Physics	KCT Engineering College, Gulbarga	Electronic transport properties of Fe/X/Ni(X= Al/Cu) Multilayered Thin Films	* <b>HKRDP</b>
4	<b>DR. RIAZ ABDULLA</b> Oral Pathology	Yenepoya Dental College, Yenepoya University, deralakatte, Mangalore	Role and Association of MTHFR gene and serum Homocysteine levels in Non Syndromic Cleft Lip and Palate (NSCLP) cases	-
5	<b>NARENDRA REDDY</b> Center for Emerging Technologies	Jain University, Bangalore	Developing a biodegradable and inexpensive mask for filtering particulate matter in the environment	* <b>BKT</b>
6	<b>DR. J.G. MANJUNATHA</b> Chemistry	Field Marshal KM Cariappa College, Madikeri	A novel sensitive electrochemical method for the determination of mitoxantrone anticancer drug at surfactant modified carbon nanotube paste electrode	-
7	<b>DR. KISHAN SINGH</b> Electronics & Communication Engineering	Guru Nanak Dev Engineering College, Bidar	Study on various parameters by setting up microwave and microstrip antennas	* <b>HKRDP</b>
8	<b>SMT. SUJATA JAGADISH</b> Botany	B.V. Bhoomareddy Arts, Science and Commerce Degree College, Bidar	Finding the Experiments of recent advances of Plant Physiology	* <b>HKRDP</b>
9	<b>DR. PRASANNA S KOUJALAGI</b> Chemistry	Angadi Institute of Technology, Belgaum	Treatment and Removal of Hexavalent Chromium from electroplating Rinse solution to reduce the impact on environmental system	-
10	<b>DR. ARUNKUMAR LAGASHETTY</b> Chemistry	Appa Institute of Engineering and Technology, Gulbarga	Synthesis, Charactrisation and Studies on Metal oxide nanomaterials	* <b>HKRDP</b>
11	<b>K.L. NAGASHREE</b> Chemistry	BMS College of Engineering Bangalore	Mixed metal oxide based electrode materials for electrochemical sensing and electrocatalysis	-

12	<b>VISHALAKSHI NANJAPPA</b> Institute of Bioinformatics	Institute of Bioinformatics, white field, Bangalore	Investigation of salivary biomarkers for the early diagnosis of oral cancer	-
13	<b>STEVEN LAWRENCE FERNANDES</b> Electronics and Communication Engineering	Sahyadri College of Engineering and Management, Mangalore	Development of New technology for identification of most wanted criminals across age groups and age progression using composite sketches on a digital signal processor	-
14	<b>K. MUNIRATHNAM</b> Physics	Dayananda Sagar Academy of Technology and Management, Bangalore	Synthesis and luminescence properties of rare – earth ions doped phosphors for white light emitting diode (W-LEDs) applications	-
15	<b>DR. YOGESHA</b> Physics	Government Science College, Hassan	Studies on high – frequency dynamics of soft materials	-
16	<b>DR. S. PRABHAKARA</b> Microbiology	RajaRajeswari Medical College & Hopital, Bangalore	Molecular Genetic investigation on patients suffering from paroxysmal dyskinesias and Benign familial infantile epilepsy	-
17	<b>DR. SAVITHA MB</b> Chemistry	Sahyadri College of Engineering and Management, Mangalore	Studies on sorption properties of some selected Bio-Polymer Gels and Modified Bio-Polymer Gels for Water Treatment Applications	-
18	<b>DR. S.R. MANOHARA</b> Physics	Siddaganga Institute of Technology, Tumkur	Thermally stable graphene based polymer nanocomposites for flame retardant applications	-
19	<b>DR. RAJASHEKARA KM</b> Physics	Sri Jagadguru Chandrashekaranatha Swamiji Institute of Technology, Chickballapur	To study the synthesis and characteristics of Nanocomposite reinforced conducting Polymers	-
20	<b>DR. M.V. VIJAYAKUMAR</b> Computer Science and Engineering	Dr. Ambedkar Institute of Technology, Malathahalli, Bangalore	To make a Center of Excellence by modernizing the class rooms, laboratories, teaching and research tools.	-
21	<b>PRAKASH KK</b> Biotechnology	Bapuji Institute of Engineering and Technology, Davangere	"Diversified bacterial & fungal aerosols prevailing in bronchiovesicular infections"	-
22	<b>Y.S. VIDYA</b> Physics	Lal Bahadur Shastri Government First Grade College, Bangalore	Facile green route for the synthesis of pure and rare earth doped ZrO <sub>2</sub> : Its application in display devices and for the waste water treatment	-
23	<b>KESHAVAMURTHY</b> Electronics and Communication Engineering	Atria Institute of Technology, Bangalore	Implementation of Remote lab using Wireless Technology and Energy harvesting for remote lab based on the piezo electric vibration	-
24	<b>MANJUNATH AE</b> Computer Science and Engineering	R.V. College of Engineering, Bangalore	Design & Development of Hospital Power Automation System using dynamic Gesture Recognition	-
25	<b>SRINIVAS BV</b> Biotechnology	Sir M Visvesvaraya Institute of Technology, Bangalore	Validation and standardization of the process for producing Biomodified Ghee (Shata – dhauta – ghauta - patram	-

26	<b>SUDIPTA KUMAR MOHANTY</b> Biotechnology	Padmashree Institute of Management and Science, Bangalore	Finding an economical and reliable source for production of antithrombotic and fibrinolytic agent, its economical purification and testing of efficacy in vitro and in vivo model for thrombolytic therapy	-
27	<b>AMARESHA KS</b> Computer Science & Engineering	Dayananda Sagar College of Engineering, Bangalore	Acquisition and Reconstruction Strategies for Region of Interest compressed sensing (ROICS) to accelerate Magnetic Resonance Imaging (MRI)	-
28	<b>DR. MEENAKSHI HN</b> Center for Emerging Technologies	Jain University, Bangalore	Compatibility of Pongamia pinnata biodiesel and its diesel blends on elastomeric materials	* <b>BKT</b>
29	<b>DR. SEEMA DESHMUKH</b> Paedodontics & Preventive Dentistry	JSS Dental College and Hospital, Mysore	Facial Morphometric and soft tissue profile changes in children with eruption of first permanent molar. A Longitudinal study	-
30	<b>DR. RAMIS MK</b> Mechanical Engineering	P.A. College of Engineering, Mangalore	Conjugate Heat Transfer Analysis of Parallel Plate/Channels with Volumetric Energy Generation	-
31	<b>DR. ANANDKUMAR SATYAPPA LALASANGI</b> Physics	Smt. I.S. Yadawad Government First Grade College, Ramdurg	Optical Fiber Chemical Sensors-EVANESCENT wave Technique	* <b>BKT</b>
32	<b>DR. PRASHANT KUMAR M</b> Physics	Government College, Gulbarga	Electronic Transport Studies in Multi Transition Metal & Alkali Ions Doped Oxide Glasses	* <b>HKRDP</b>
33	<b>LOKESHA G</b> Mechanical Engineering	Vemana Institute of Technology, Koramangala, Bangalore	"Design and development of Stereolithography (rapid prototyping) based composites for unmanned air vehicle related applications"	-
34	<b>DR. R. BALAKRISHNA</b> Information Science & Engineering	Rajarajeswari College of Engineering Bangalore	Enhancement of the clustering based routing protocol for the communication in sensor nodes of the Wireless Sensor Networks	-
35	<b>MR. HASAN PASHA N</b> Pharmacognosy	K.L.E.U's College of Pharmacy Vidyanagar, Hubli	Process optimization of ultrasonic assisted extraction of Antioxidants from moringa oleifera lam using response surface methodology	-
36	<b>DR. BHARATH KN</b> Mechanical Engineering	GM Institute of Technology, Davangere	"Development and Performance Analysis of Bio based Fiber Composites from Agricultural Byproducts for Engineering Applications"	-
37	<b>DR. THIMMEGOWDA NR</b> Chemistry	Government Sri Krishnarajendra Silver Jubilee Technological Institute Bangalore	Design, Synthesis and Optimization of Novel Benzimidazole based selective small molecule anticancer therapeutics and their molecular mechanism (s) study	-
38	<b>DR. KIRAN KUMAR P</b> Mechanical Engineering	SJB Institute of Technology Bangalore	Design and development of food grain disinfestation system using infrared radiation	-

39	<b>DR. DHANANJAYA N</b> Physics	BMS Institute of Technology, Bangalore	Novel Phytosynthesis, Structural and Luminescence properties of rare earth activated nano - oxyhalides for display and dosimetric applications	-
40	<b>DR. VIDYASAGAR CC</b> Chemistry	Rani Channamma University, Belgaum	Low – Cost Semiconducting Counter Electrode Films for Dye - Sensitized Solar Cells	-
41	<b>DR. DEEPA MANE</b> Oral and Maxillofacial Pathology	KLE VK Institute of Dental Sciences, Belgaum	Evaluation of the Role of Extracellular Matrix protein Tenascin in Oral Potentially Malignant Disorders and Squamous Cell Carcinoma: An Immunohistochemical and Cell Culture Study	-
42	<b>SATISH G PATIL</b> Physiology	BLDE University's Shri B.M. Patil Medical College, Hospital and Research Centre, Bijapur	Effect of Yoga on Cardiac Autonomic Neuropathy in Normoglycaemic offspring of Type II Diabetic Parents	* <b>BKT</b>
43	<b>DR. D.S. PRASANNA</b> Nanotechnology	VTU, Center for Postgraduate Studies, Muddenahalli, Chikkaballapur Dist.	Synthesis of near-infrared photo stable cyanine dyes	-
44	<b>DR. KRISHNA B CHAVARADDI</b> Mathematics	Sree Siddeshwara Government First Grade College, Nargund, Gadag Dist.	The study of surface instabilities of the type Rayleigh - Taylor in Newtonian and non-Newtonian Fluids	* <b>BKT</b>
45	<b>DR. NIRMALA P.G.</b> Chemistry	Maharaja Institute of Technology, Mysore	Synthesis and characterisation biologically active compounds of some N - arylsulfonyl heterocyclic derivatives	* <b>BKT</b>

\* **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.**

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