

## Funded Research Projects:

Sl.no	Dept	Name of the faculty	Project title	Funding agency	Date of approval	Amount (Lakhs)
1.	TE	Dr.Michaelraj Kingston ROBERTS	Analysis and design of algorithms for LDPC decoders	DST	14.03.17	16.06
2.	PHY	Dr.Lathakumari	Polymer-Thermoelectric nanomaterials for green energy conversion.	DST-SERB-ECRA	20.02.17	25.25
3.	EC	Dr.B.S.Nagabhushan	Interoperability of Heterogeneous Networks	ABB GISL	Jan 2016	8.00
4.	IS	Dr Shambhavi B R	Classifying and labelling 10,000 code mixed tweets from twitter.	Microsoft Research Lab India	Jan 2016	1.25
5.	ME	Dr.G.Giridhara H.M.Shivaprasad	Intershaft Squeeze Film Dampers – An Exploratory Study	DSD0	12.01.16	9.99
6.	ML	Dr.H.N.Suma Appaji M Abhishek	Development of Low Cost, Safe, High Resolution Easy to Use Digital X-Ray	DST	20.01.16	59.37
7.	CHE	Dr.Vijayendra Shetti	Synthesis of 2, 6 Polyazulenes of Organic Electronic Applications	DST	28.01.16	29.00
8.	ME	Dr.H.K.Rangavittal Dr.G.Giridhara Dr.L.Ravikumar	Development of Carbon Fiber reinforced plastic (CFRP) Torque Transmission Tube	CVRDE	16.03.16	17.30
9.	PHY	Dr.K.E.Ganesh	Correlating Unsupported radon activity in ground water with uranium content in surrounding rocks: A Case study at Bengaluru	BRNS	31.03.16	21.33
10.	ML	Dr.Joshi Manisha Shivaram	Design & Development of wearable Nadi Pariksha Yantra	Vision Group on Science & Tech	Mar-16	0.40
11.	ML	Dr.Joshi Manisha Shivaram	Design and Development of a system for Anaemia Detection using photo Piethysmography	KSCST	Mar-16	0.05

12.	ML	Dr.Joshi Manisha Shivaram	Low Power, Portable Solar ECG System for Rural Health Care	KSCST	Mar-16	0.04
13.	CS	Dr.G.Varaprasad	Solid Waste Bin Monitoring System using Wireless Sensor Network	S2S Unitech	01.04.16	0.55
14.	IS	Dr M Dakshayini	IOT based E-health enabled Bio signal monitoring and its analysis	MHRD	Apr 2016	7.50
15.	ML	Dr H N Suma, Appaji M Abhishek	A Comprehensive Fully Automated Smart Eye Kiosk for Community Screening (SEK-C)	Ng Teng Fong Healthcare Innovation Program	01.05.16	64.80
16.	ME	Dr.G.Giridhara	Exploratory Studies on Introducing Damping for Flexible Shafts	DRDO	17.05.16	9.20
17.	CH	Dr.Samita Maitra	Study of Various Effects of Heavy Metals Present in borewell water on human system	MHRD-GIAN	01.06.16	8.16
18.	R&D	Gurumurthy Hegde	Novel Cost Effective Approach For Creating Permanent Optical Storage Devices: Synthesis. Characterization & Application	SERB	13.07.16	38.53
19.	CH	Dr.G.Keerthiga(Co-PI)	Mixed metal chalcogenides based graphene composites for photocatalytic hydrogen generation	DST-SERB	01.09.16	30.00
20.	CHE	K.L.Nagashree	Electrodeposited Mixed Metal Chalcogenide-Graphene Composites For Visible Light Enhanced Photocatalytic Hydrogen Generation	DST (SERB)	01.09.16	30.36
21.	CH	Dr. C T Puttaswamy	Technical advisory for preparation of Environmental Management Plan and Risk assessment for M/s. Vivimed Labs Limited, Bidar	Industry Sponsored	10.10.16	0.25

22.	ML	Appaji M Abhishek	Device for Intrapartum materno-fetal care	BIRAC-SRISTI	10-11-2016	15.00
23.	BT	Dr.Divijendranatha Reddy Dr.M.Rajyalakshmi	Role of Micro RNA-203 in the regulation of the genes that are upregulated in triple negative breast cancer(TNBC)	DST	24.12.16	43.00
24.	CV	Dr. S girish	Development of innovative Green SCC with complete replacement of ingredients by slag with emphasis on sustainability	KSCST	2016	0.07
25.	CV	Dr. Sampath kumar M C	Application of Nano- Technology principles for Brewery Waste Management	KSCST	2016	0.05
26.	CS	Dr.G.Varaprasad & Praveenraj Pattar, Rajeshwari Madli	automatic Detection and Notification of Humps on Roads to Aid Drivers	VGST	01.01.15	0.30
27.	CS	Dr.G.Varaprasad	Development of Intelligent Traffic Control System by using RFID Technology	UGC – Research Award	20.02.15	43.50
28.	ML	Dr.Joshi Manisha Shivaram	Design & Development of Nadi Pariksha Yantra	KSCST	Mar-15	0.05
29.	ML	K.Vijayalakshmi	Thermal Mapping Imaging	KSCST-1	Apr-15	0.06
30.	CHE	K.L.Nagashree	Mixed Metal-oxide based electrode materials for electrochemical sensing and electro-catalysis	VGST	30.04.15	4.00
31.	ML	Dr.H.N.Suma	Infrastructure Enhancement of Biomedical Wireless Data Acquisition Facilities in Biomedical Signal Processing Lab	VGST	04.05.15	20.00

32.	BT	Dr.Savithri Bhat	Protein Profiling of Mammalian Cells treated with anolides to Relieve Oxidative stems	VGST	May 2015	20.00
33.	CS	Dr.G.Varaprasad	Smart Electronics Sensing System	ARTIS Techn	01.07.15	0.40
34.	ME EE EC	Dr. G. Giridhara Dr.C.Lakshminarayana Dr.G.Poornima	Design & Implementation of Wireless energy harvesting sensor system with integrated data acquisition and communication system for Gas Turbine Engine application	DRDO	08.09.15	8.95
35.	CH	Dr.Keerthiga	Mycoremediation of Soil-Benefits and a Comparative Analysis	KSCST	01.10.15	0.05
36.	CH	Dr.Samita Maitra	Filtration and purification of water contaminants such as heavy metals and dyes using agriculture based by-products for Biosorption- A Comprehensive Study	KSCST	01.10.15	0.06
37.	IT	Dr.K Narasimha Rao	An approach to determine sampling rate word length in a digital control system	Ministry Of Defense	25.11.15	3.29
38.	EE	Dr.P.Meena Dr. Rajeshwari Hegde	Verification and Validation platform for motor condition monitoring services	ABB	22.12.15	3.25
39.	CV	Dr.S.Raghunath	Studies on Strength and elastic behavior of concrete in-filled steel tubular sections	KSCST	2015	0.06
40.	CV BT	Pratima B Dr.Savithri Bhat	Bioremediation of Heavy metals contaminated soil using compost (organic amendments)	KSCST	2015	0.07
41.	EC	Dr.B.S.Nagabhushan	Coding Methods and Teqhiniqe for Performance Improvement in Wireless Mesh Network	ABB Global Industries	29.01.14	16.00
42.	ME	Dr.L.Ravi Kumar	Performance Studies of Semi Active Journal Bearing	R&D	15.11.14	5.74

43.	MCA	Sri.K.Girish	Effective Utilization of Akash Tablets	MHRD	Dec 2014	1.00
44.	CH	Dr.Chetan A Nayak	Seed Money for Young Scientist for Research	VGST	19.03.13	5.00
45.	CS	Dr.G.Varaprasad	Implementing Intelligent Traffic Control System for Emergency Vehicles	AICTE	04.06.13	0.45
46.	ME	C.K.Chandrababu	Design of Dehusking cashewnut	GKVK	12.07.13	5.00
47.	ME	Dr.M.Ramachandra Dr.S.Srinivas Dr.Chandasree Das	Establishing Centre of Excellence in Advanced Materials Research	TEQIP	12.07.13	500.00
48.	ME	Dr.M.Ramachandra	Evaluation of Machining Characteristics of Squezy Cast Aluminum Matrix Composite Modernization of Digital Communication Lab	AICTE RPS	15.07.13	10.75
49.	PHY	Dr.T.S.Pranesha	Modelling Atmospheric Pollution and Networking (MAPAN)	IITM, Pune	30.08.13	20.32
50.	EE	Dr.Chandasree Das	Investigation on materials dependence of electrical switching phenomenon memory applications”	DST	03.09.13	18.90
51.	BT	Dr.M.Rajyalakshmi Dr.Savithri Bhat	A Study on the expression of Sum (Small Ubiquitin like Modifiers) and SUMOylation Pathway genes	VTU	05.05.12	5.00
52.	ME CS CV	Sri.C.K.Chandrababu Dr.G.Varaprasad Dr.H.B.Nagaraj	Multiple Extraction Coconut water from Tree	AICTE	15.05.12	7.30
53.	ME CS CV	Sri.C.K.Chandrababu Dr.G.Varaprasad Dr.H.B.Nagaraj	“Instrumentation and Field Studies on In-situ Extraction of Tender Coconut Water from Coconut Tree	DST	30.10.12	20.00
54.	ME	Dr.K.Guruprasad	Modernization of Machine Shop	AICTE	03.11.11	8.00

55.	IM	Dr.B.Ravishankar	Benchmarking Noise Levels in Bangalore City	AICTE	Dec 2011	9.50
56.	IM	Dr.K.J.Rathanraj	CAS Grants Research promotion	AICTE	31.03.10	12.00
57.	CV	Dr H S Jagadeesh Sri.H.S.Satish	Comprehensive Transportation Planning For the Selected Zones in Bangalore City Dev of Pavement Deterioration Models for Urban Roads	MOUD	29.11.10	25.00