

## Details of Research Projects Sanctioned

Sl. No.	Name of the Faculty	Name of the Dept.	Title of the Project	Funding Agency	Year of Sanction	Amount (Rs. In Lakhs)	Status
1.	Dr. P. Meera	BS&H	Green Packages based on darbha grass for milk packaging	DSIR	2019-20	9.00	Sanctioned
2.	Ms. E. Sujatha	ECE	VLSI Design and implementation of optimized turbo channel coding system for advanced wireless communication systems	DST-WOS-A	2018-19	3.50	Ongoing
3.	Mr. K. Ayyappa Swamy	EIE	Frequency modulated hearing aid for elderly with hearing disability	DST-TIDE	2017-18	54.13	Ongoing
4.	Dr. G. Sasi Kumar Dr. M. Naresh Babu	CSSE	Intelligent system to classify human brain signals for finding brain diseases	DST - CSRI	2017-18	23.73	Ongoing
5.	Dr. V.R. Anitha	ECE	Design and Development of Micro Cantilever Based Biosensor for Early Detection of High Risk Human Papiloma Virus	DST	2017-18	36.49	Ongoing
6.	Dr. K. Ramani	IT	Fast Content based search Navigation and Retrieval System for e-Learning	UGC Minor	2016-17	3.95	Ongoing
7.	Dr. B. Palakshi Reddy	BS & H	Synthesis of Ni Nanoparticles using Polyphenols and its Application in Conversion of Bispidinones to Bispidinols	UGC Minor	2016-17	2.20	Ongoing
8.	Ms. P. Dhanalakshmi	CSSE	Development of Mathematical Model for the Prediction of Customer Behavior in Online Databases	UGC Minor	2016-17	1.95	Ongoing
9.	Dr. G. Syam Prasad	BS & H	Kinetics for Phase-Transfer Catalytic addition of Dichlorocarbene to Imine under the influence of ultrasound conditions	UGC Minor	2016-17	2.70	Ongoing
10.	Dr. Rasheed Syed	BS & H	Synthesis of Biologically active substituted Triazoles and Tetrazoles	UGC Minor	2016-17	1.80	Ongoing
11.	Dr. Aniruddh Bahadur Yadav	ECE	"Identification of suitable precursor to grow highly vertically aligned ZnO nanorods by hydrothermal method on SiO <sub>2</sub> /Si substrate"	INUP	2016-17	3.00	Completed

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12.	Dr. Aniruddh Bahadur Yadav	ECE	"Study of gate thickness effect on gas sensing and UV detection Properties of top gate thin film transistor"	INUP	2016-17	14.00	Completed
13.	Dr. Aniruddh Bahadur Yadav	ECE	Top gate Field Effect Transistor for Electronics and Gas sensing Application where channel functionalized by catalyst metal to improve the sensitivity	INUP	2016-17	3.00	Ongoing
14.	Dr. M.M. Kesavulu	Biotech	In-Silico and Experimental Studies to Understand the Mechanism of Action of Resistin	DBT	2015-16	8.66	Ongoing
15.	Dr. M.V. Subba Reddy	CIVIL	An Integrated Approach for sustainable Development and Management of Surface and Ground water Resources in Tirupati Rural Microwatersheds	UGC Major	2015-16	6.19	Ongoing
16.	Dr. N. Padmaja	ECE	MST Radar Signal Processing using Emperical Model Decomposition and Hilbert-Huang Transform	ISRO-RESPOND	2014-15	16.74	Ongoing
17.	Dr. Y.B. Kiran Kumar	BS & H	Studies on synthesis of Novel Phosphonate Nucleoside Prodrugs and their Biological Applications	UGC Minor	2014-15	4.15	Ongoing
18.	Dr. Y.B. Kishore Kumar	BS & H	Investigations on Cu <sub>2</sub> ZnSnS <sub>4</sub> Thin Films as Absorber Layer in Thin Film Heterojunction Solar Cells	UGC Minor	2014-15	4.9	Ongoing
19.	Dr. D.V. Ramamurthy Mr. G.V. Sunil Kumar	MECH	Design And Fabrication Considerations For MEMS Based Device For Omni Directional Harvesting Of Mechanical Vibration Energy	INUP (IIT Bombay)	2013-14	7.2	Completed
20.	ECE Dept.	ECE	Electrically Small Miniaturized Novel Antennas for Wireless Systems	DST-FIST	2012-13	20.00	Ongoing
21.	Dr. V.R. Anitha	ECE	Simulation and fabrication of a Novel fractal tree antenna for wireless applications	INUP (IIT Bombay)	2011-12	15.00	Completed
22.	Dr. P. Vishnu Prasanth	BS & H	Studies on Gravity waves on Northern and Southern hemisphere using LIDAR & RADAR observations	DST Fast Track Scheme for young scientists	2011-12	19.70	Ongoing
<b>Total</b>						<b>261.99</b>	

# SREE VIDYANIKETHAN ENGINEERING COLLEGE

(AUTONOMOUS)

Sree Sainath Nagar, Tirupati - 517 102.

## Details of Internal Research Projects Sanctioned

Sl. No.	Name of the Faculty	Name of the Dept.	Title of the Project	Funding Agency	Year of Sanction	Amount (Rs.)	Status
1.	Dr. K.G.Suma	CSE	Detection of Glaucoma in fundus images using soft computing techniques	Sree Vidyanikethan Educational Trust	2019-20	50000	Ongoing
2.	Dr. E.Parimalasundar and Dr. D. Suresh Babu	EEE	Real time monitoring and fault identification in multilevel inverter fed inducting motor drive	Sree Vidyanikethan Educational Trust	2019-20	50000	Ongoing
3.	Dr. Dadamiah PMD Shaik	BS&H	Investigations on Electrochemical performance of Graphene Nanofilms for supercapacitors	Sree Vidyanikethan Educational Trust	2019-20	100000	Ongoing
4.	Dr. Argha Sarkar	ECE	Fabrication and Characterization of Resistive Random accesses Memories (RRAMS) for Energy efficient solution	Sree Vidyanikethan Educational Trust	2019-20	175000	Ongoing
5.	Ms. K.Neelima	ECE	Adjacent error detection and correction for fundus images	Sree Vidyanikethan Educational Trust	2019-20	150000	Ongoing

Sl. No.	Name of the Faculty	Name of the Dept.	Title of the Project	Funding Agency	Year of Sanction	Amount (Rs.)	Status
6.	Dr. M.Baburaj and Dr. S.Raghunathan	ME	Investigation on minimum thickness sheets which can be achieved by wire electrode discharge machining process	Sree Vidyanikethan Educational Trust	2019-20	160000	Ongoing
7.	Dr.N.Manikandan	ME	A comparative study on wire electrical discharge machining of aerospace materials	Sree Vidyanikethan Educational Trust	2019-20	100000	Ongoing
8.	Dr. R.Vinoth	ME	Study of heat transfer and fluid flow through microchannel heat sink using nanofluids	Sree Vidyanikethan Educational Trust	2019-20	175000	Ongoing
9.	Dr. B.Sachuthananthan	ME	Carbon capture in CI Engine with blends of methyl ester of microalgae as alternate fuels	Sree Vidyanikethan Educational Trust	2019-20	100000	Ongoing
10.	Mr. G. Hemanth Kumar Mr. D.R. Kumar Raja	EIE	Automation of aerators based system on water quality parameters in aqua culture	Sree Vidyanikethan Educational Trust	2018-19	100000	Ongoing
11.	Dr. V.Nirupama	BS&H	Synthesis of exfoliate and decorated MoS <sub>2</sub> layered films study the impact of catalyst preparation variables on material structure and catalytic performance	Sree Vidyanikethan Educational Trust	2018-19	100000	Ongoing
12.	Dr Y Tharakeswar Dr G.Rambabu	BS&H	Developement and fabrication of optical chemical sensors for the determination and extaction of toxic metal ions in industrial effluents and natural aquifers	Sree Vidyanikethan Educational Trust	2018-19	150000	Ongoing

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13.	Dr. O. Obulesu Dr. Vellingiri J	IT	Prediabetes Information Investigation system by using Analytical Methods	Sree Vidyanikethan Educational Trust	2018-19	50000	Ongoing
14.	Dr. V. Arun Mr. G.S. Arun Kumar	EEE	Design, Analysis and Prototype Modeling of Reduced Switch Compact Multilevel Inverter for Medium Power Solar PV System	Sree Vidyanikethan Educational Trust	2018-19	145000	Ongoing
15.	Dr. T.V.S. Gowtham Prasad	ECE	Driver Assistance System under Bad Weather Conditions	Sree Vidyanikethan Educational Trust	2018-19	100000	Ongoing
16.	Dr. K. Ramani	IT	A Dynamic object Recognition System for Visually Impaired	Sree Vidyanikethan Educational Trust	2018-19	150000	Ongoing
17.	Dr. R. Satya Meher	ME	Performance Evaluation of Water Cooler Cum water Heater with Tube in Tube Hear Exchanger	Sree Vidyanikethan Educational Trust	2018-19	100000	Ongoing
<b>Total</b>						<b>19,55,000</b>	