

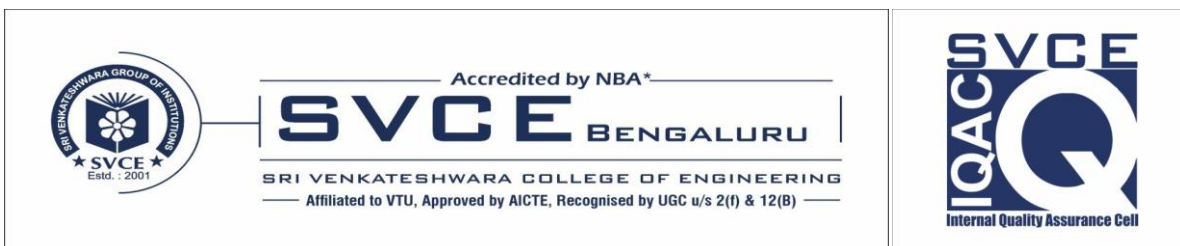
List of Grants received from various Organization for Research & event organization:

AY 2020-21

Sl No.	Funding Agency	Project Title	Approval Amount	Name of the PI & Co-PI	Duration	Ongoing/Complete
1	AICTE	“Training for Social Connectedness & Inspiration” under AICTE Training and Learning (ATAL)	93,000/-	Dr. Shivashankar Dr.Dileep Reddy Bolla	3 months	Ongoing
2	VTU	Detection of Human body under water	5,000/-	Dr.Keshavamurthy	6 months	Completed
3	VTU	IoT based Monitoring and generation of power using Industrial Exhaust fans	5,000/-	Prof.Mahaveer Penna / Prof.Rajendra Prasad P	6 months	Completed
4	KSCST	DESIGN AND IMPLEMENTATION OF LOW COST ULTRAVIOLET STERILIZATION ROBOT TO AVOID INFECTION FOR BETTER HUMAN HEALTH CARE SERVICES	6,000/-	Prof. Ravi Gatti Prof. Santosh Kumar S	6 months	Ongoing
5	KSCST	SIGNAL DETECTION FOR BATTERYLESS BACKSCATTERING SYSTEMS WITH RFID ANTENNA TAGS	6,000/-	Dr. Poornima G R Prof. Avinash J L	6 months	Ongoing
6	KSCST	TIMING SYNCHRONISATION TECHNIQUE WITH A SYMBOL	6,000/-	Dr. Poornima G R Prof. Avinash J L	6 months	Ongoing

		RATE FOR WIRELESS OFDM SYSTEM WITH LOW POWER				
7	KSCST	COVID-19 BASED SMART HELMET	6,000/-	Prof. Swathi N	6 months	Ongoing
8	KSCST	PREDICTING PRESSURE ULCERS IN CRITICAL CARE PATIENTS USING DEEP LEARNING AND WEARABLE SENSORS	6,500/-	Dr. Satya Srikanth Palle Dr. Dileep Reddy Bolla	6 months	Ongoing
Total			1,33,500/-			

Programme Coordinator



List of Grants received from various Organization for Research & event organization:

AY 2019-20

Sl No.	Funding Agency	Project Title	Approval Amount	Name of the PI & Co-PI	Duration	Ongoing/Complete
1	AICTE	7 Days Faculty Development Program (FDP) for Student Induction Program for AICTE approved institutions.	7,24,449/-	Dr. Shivashankar Prof. Rajendra Prasad P	6 months	Completed
2	AICTE	Samruddhi – An Innovative Smart Railway Platform Assist in Domestic Railway Station	19,38,666/-	Dr. Shivashankar	2 Years	Ongoing
3	AICTE	Personality and Skill Development among SC/ST students for the purpose of job acquiring.	9,47,983/-	Dr. Shivashankar	3 Years	Ongoing
4	AICTE	Short term Training Programme – Optimization Techniques for 5G Cellular Networks, Compressive sensing and Data Science using MATLAB	2,84,666/-	Dr. Shivashankar	1 Year	Completed
5	KSCST	Design and Implementation of Vision Module for Visually Impaired People	5,500/-	Prof. Ravi Gatti / Prof.Sunil Kumar	1 Year	Completed
6	KSCST	Design and Implementation of Smart shopping Basket	7,000/-	Prof.Arjun Kumar	1 Year	Completed
7	KSCST	Solar Powered PV Panel Cleaning Robot using IoT	5,500/-	Prof. Santosh Kumar S / Prof.Nataraj	1 Year	Completed
Total			39,13,764/-			

Programme Coordinator



Accredited by NBA*
SVCE BENGALURU
SRI VENKATESHWARA COLLEGE OF ENGINEERING
— Affiliated to VTU, Approved by AICTE, Recognised by UGC u/s 2(f) & 12(B) —



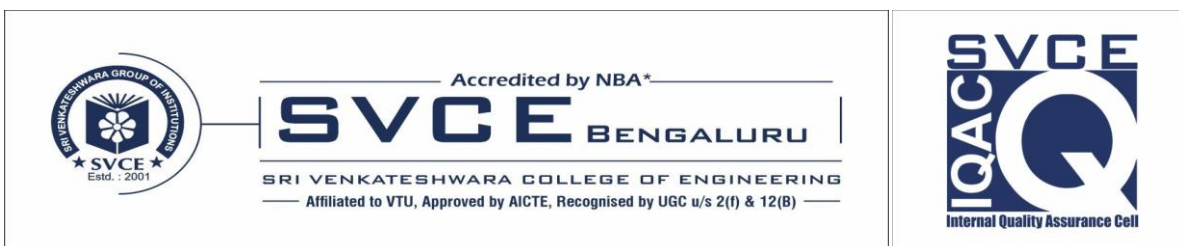
List of Grants received from various Organization for Research & event organization:

AY 2018-19

Sl No.	Funding Agency	Project Title	Approval Amount	Name of the PI & Co-PI	Duration	Ongoing/Complete
1	DST	Intelligent Off Grid System for Energy Sustainable Village	2,40,87,557/-	Dr. Shivashankar Prof. G R Poornima	2 Years	Ongoing
2	AICTE	Modernization of Cloud Radio Access Network Applications Laboratory for 5G Networks	6,63,000/-	Dr. Shivashankar	2 Years	Completed
3	AICTE	Prerana Scheme to Promote, Educate & Encourage SC/ST Students for their Higher Education	7,20,000/-	Dr. Shivashankar	1 Year	Ongoing
4	AICTE	Workshop on “Faculty Training for Student Induction Programme”	1,65,133/-	Dr. Shivashankar	6 months	Completed
5	KSCST	SWACHH ROBO: One's Cleanliness Identity	9000/-	Dr. Jijesh J J Prof. Dileep Reddy Bolla	6 Months	Completed
6	KSCST	Monitoring of Illegal Logging And Forest Fire Using Wireless Sensor Network	8000/-	Dr. Shivashankar Prof. Pramod M S	6 Months	Completed
7	KSCST	Smart Movable Road Divider Using IoT	8000/-	Prof. Satya Srikanth Palle Prof. Mahaveer Penna	6 Months	Completed
8	KSCST	Braille To Voice Conversion Using Tactile Sensor	10000/-	Prof. K Lakshman Arun Kumar Prof. Mamtha K S	6 Months	Completed
9	KSCST	Traffic Sign Detection And Alerting For Driver Assistance System Using Deep Learning Algorithm	6000/-	Prof. Sathya Srikanth Palle Prof. Jijesh J J	6 Months	Completed

10	KSCST	Home Appliance Automation Using Brain Waves	6000/-	Dr.Shivashankar	6 Months	Completed
11	KSCST	Swarm-Based Unmanned Underwater Vehicles to Oversee Dams And Its Surrounding Ecosystem	8000/-	Dr. Jijesh J J Prof. Mahaveer penna	6 Months	Completed
12	KSCST	Smart Security System Using IoT Based Smart Camera With Automatic Door Locking System.	7000/-	Prof. Sarala T Prof. Ashwini S R	6 Months	Completed
13	KSCST	Integrated Secure Columnist Hexpod All-Terrain Full Time Counter-FOE Master.	7000/-	Prof. Swathi N Prof. Ashwini N S	6 Months	Completed
14	VTU	IoT based agriculture using AGRIBOT	5000/-	Prof. Santosh Kumar S	6 Months	Completed
15	VTU	Design of driverless railways using Li-Fi Technology	5000/-	Prof. Rajendra Prasad P	6 Months	Completed
Total			25,714,690/-			

Programme Coordinator

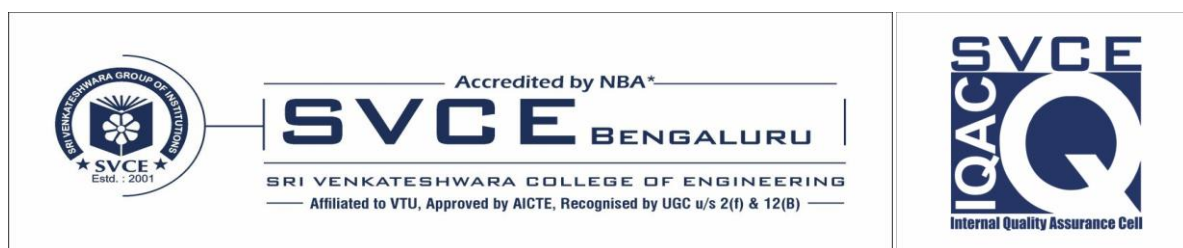


List of Grants received from various Organization for Research & event organization:

AY 2017-18

Sl No.	Funding Agency	Project Title	Approval Amount	Name of the PI & Co-PI	Duration	Ongoing/Completed
1	AICTE	FDP on Advance and Development with EDA Tools in Embedded & Communication Design for Researchers	4,75,000/-	Dr.Shivashankar	2017	Complete
2	AICTE	Workshop on "Embedded System Design using Raspberry Pi"	1,00,000/-	Dr.Shivashankar	2017	Complete
3	KSCST	Low cost Heart Monitoring System using Embedded System	6,000/-	Prof.Ravi Gatti	6 Months	Complete
4	KSCST	Design and Implementation of Peltier Based Solar Powered Air Conditioning & Water Heating System	8,000/-	Prof.Arjun Kumar G B	6 Months	Complete
5	VTU	Design and Implementation of Peltier Based Solar Powered Air Conditioning & Water Heating System	5,000/-	Prof.Arjun Kumar G B	6 Months	Complete
6	VTU	Detection and Monitoring of Manhole Opening Urban area using Sensor and GPS Techniques to avoid life loss	5,000/-	Dr.Shivashankar	6 Months	Complete
7	VTU	Workshop on "Promotion of Academic Integrity, Research Methodology and Plagiarism Prevention"	25,000/-	Dr.Shivashankar	2017	Complete
8	DST	Entrepreneurship Awareness Camp	20,000/-	Dr.Shivashankar	2017	Complete
Total			6,44,000/-			

Programme Coordinator

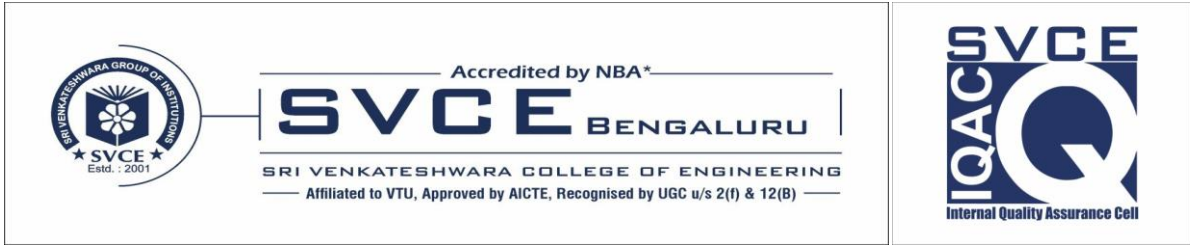


List of Grants received from various Organization for Research & event organization:

AY 2016-17

SI No.	Funding Agency	Project Title	Approval Amount	Name of the PI & Co-PI	Duration	Ongoing/ Completed
1	VGST	SMSYR-Low Cost Smart Antenna for High Performance Wireless Communication	5,00,000/-	Dr.Shivashankar	1 Year	Complete
2	KSCST	Plant to reuse water using Sensor Technology	7,000/-	Dr.Shivashankar	6 Months	Complete
3	KSCST	GPS-GSM Inland Vessel Tracking System	6,000/-	Prof.Swapna C H	6 Months	Complete
4	KSCST	Artificial Intelligence Classifier to identify Bank fraud in Demonetization	3,000/-	Dr.Shilpa Mehta	6 Months	Complete
5	KSCST	Monitoring of Highway wind power parameter and controlling Highway Light through IoT	6,000/-	Prof.Pramod M S	6 Months	Complete
6	M/s.Global Vacuum Products	PID Control panel for a Bench Top Vacuum Oven	12,500/-	Prof.G R Poornima	6 months	Complete
Total			5,34,500/-			

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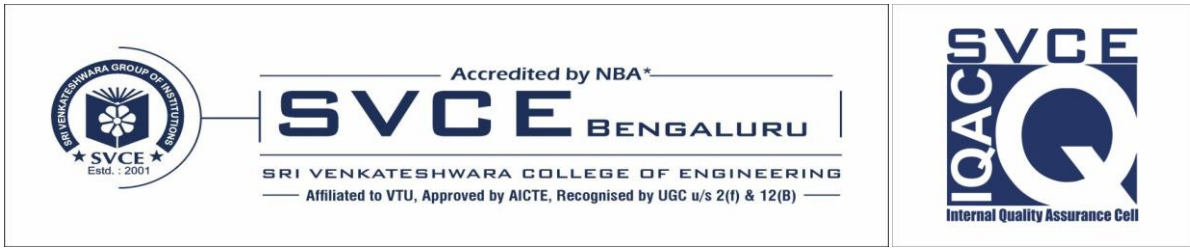


List of Grants received from various Organization for Research & event organization:

AY 2015-16

Sl No.	Funding Agency	Project Title	Approval Amount	Name of the PI & Co-PI	Duration	Ongoing/ Completed
1	VGST	Automatic Theft Detector & Locker for Automatic Teller Machine	40,000/-	Dr. Vijayashree R B	6 months	Completed
Total			40,000/-			

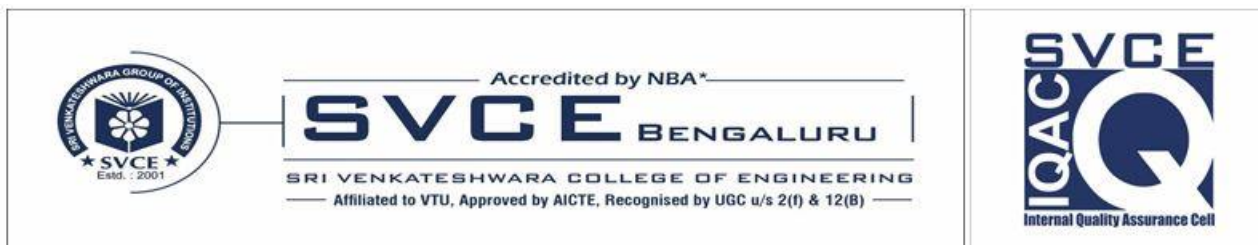
Programme Coordinator



**Consolidated List of Grants received from various Organization for
Research / Conducting events - (Year-wise)**

Sl No.	Academic Year	Number of Grants	Approved Amount
1	2020-21	3	1,03,000/-
2	2019-20	7	39,13,764/-
3	2018-19	15	2,57,14,690/-
4	2017-18	8	6,44,000/-
5	2016-17	6	5,34,500/-
6	2015-16	1	40,000/-
Total			3,09,49,954/-

Programme Coordinator



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
PATENTS FILED BY FACULTY MEMBERS

Sl. No.	Date of filing	Faculty Name	Title of the Project	Status	Application / Publication Number & link
1	18/01/2021	Dr. Shivashankar Prof. Arjun Kumar G B	A Smart market Canny Shopping Basket	Published	202141002214
2	23/05/2019	Dr. Shivashankar Dr. Keshavamurthy Prof. Arjun Kumar G B	Advanced smart Aquaponics technology for future farming in agriculture	Published	201941022588A
3	27/08/2019	Swapna C H	Navigation cane for Visually Impaired People along with application.	Published	201941034393 A
4	14/06/2019	Swapna C H Aadya Pant	Security Module for Bags	Published	201941022591 A
5	22/02/2019	Dr. Poornima G R Prof. Sridhar N K	Grill Doors alignment to the train compartment door on the railway platform	Published	201941005943 A
6	28/08/2018	Dr. Shivashankar Prof. Arjun Kumar G B	Solar powered air conditioning and water heating apparatus and a method thereof	Published	201841032095
7	07.04.2018	Dr. Shivashankar	RTEICT Trade Mark	Approved	3799155
8	14.09.2018	Mrs. Swapna C H Mrs. Aadya Pant	Automatic Gas Leakage Detection and Safety	Published	201841033208
9	24.08.2018	Mrs. Swapna C H Mrs. Aadya Pant	Automatic Gas Cut-Off Based on Pressure Cooker Whistle	Published	201841030054
10	31.08.2018	Mr. Suraj S	Smart Twin Bin with A Methodology Of Segregating Wet and Dry Waste	Published	201841031012
11	30.11.2018	Dr. Mukesh Kumar Singh Mrs. Poornima G R Mr. Shridhar N K	Meter to Meter Animal Intruder & Fire Detection Intimation System for Village surrounded by the forest.	Published	201841043967A

12	17.05.2017	Dr. Shilpa Mehta	Artificial Intelligence Classifier to Identify bank Frauds during Demonetization	Pending	201741017286
13	12.02.2016	Dr. Pritam Gajkumar Shah	An Apparatus and method based on one's compliment subtraction recoding technique of integer in elliptical curve cryptograph for the wireless sensor network platform	Published	3204/CHE/2014

Programme Coordinator