

**Basaveshwar Engineering College (Autonomous) Bagalkot****Department of Electrical and Electronics Engineering****Research Grants Received (Since 2005)**

Sl.	Name of the PI	Name of the Co-PI	Title of the Project	Sanctioning Authority	Sanction Letter Number and date	Amount (INR)	Present Status
1.	Dr. S H Jangamshetti	--	District Level Renewable Energy Park	MNRE, New Delhi, KREDL Bangalore	KRED/07/EnergyPark/2005/2234, dated 2.12.2005	10,00,000.00	Completed
2.	Dr. S H Jangamshetti	--	Wind Data Logger using Wireless Transmission	TEQIP-I	2006	8,00,000.00	Completed
3.	Dr. S H Jangamshetti	--	Conical Collector Solar Water Heater	TEQIP-I	2006	20,000.00	Completed
4.	Dr. S H Jangamshetti	--	Microcontroller based DC Energy Meter	KSCST Bangalore	7.1.03/SPP/B&S/1081, dated 15.02.2006	4,000.00	Completed
5.	Dr. S H Jangamshetti	--	Conical Collector Solar Water Heater	KSCST Bangalore	7.1.03/SPP/B&S/1081, dated 15.02.2006	5,000.00	Completed
6.	Dr. S H Jangamshetti	--	Monitoring of Wind Velocity using Wireless Transmitter Module	KSCST Bangalore	7.1.03/SPP/B&S/1081, dated 15.02.2006	5,500.00	Completed
7.	Dr. S H Jangamshetti	--	MPPT Microcontroller based Solar Tracking System	KSCST Bangalore	7.1.03/SPP/B&S/1081, dated 15.02.2006	7,000.00	Completed
8.	Dr. S H Jangamshetti	V D Holla	3-D Interactive Software Package on Electrical Machines	KSCST Bangalore	7.1.03/SPP/S&E/965, dated 19.02.2007	2,000.00	Completed
9.	Dr. S H Jangamshetti	--	Maximum Power Point Tracking system using Boost Converter	KSCST Bangalore	7.1.03/SPP/S&E/965, dated 19.02.2007	4,000.00	Completed

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10.	Dr. S H Jangamshetti	Dr. R L Naik	Development of FPGA-DSP based controller for three level Inverter for Grid Connection of Wind Turbine Generators	RPS, AICTE, New Delhi	F.No:8023/BOR/RI D/rps-67/2007-08, dated 05.03.2008	16,60,000.00	Completed
11.	Dr. S H Jangamshetti	--	Renewable Energy and SCADA for distribution automation	VGST K-FIST Level-II	VGST/P-15/K-FIST/Level-2/2010-11/753, dated 21.03.2011	40,00,000.00	Completed
12.	Dr. D S Jangamshetti	--	Design and development of novel method of embedded based data acquisition and control system for process industry	RPS, AICTE, New Delhi	20/AICTE/RIFD/RP S(POLICY-II)74/2012-13 dated 04.02.2013	11,63,000.00	Completed
13.	Dr. D S Jangamshetti	--	Automatic Flood monitoring and protection of dam	KSCST Bangalore	<b>2013</b>	6,000.00	Completed
14.	Dr. D S Jangamshetti	--	Design and Development of SPV source for RO system	KSCST Bangalore	7.1.03/SPP/1112, dated 27.03.2017	3,000.00	Completed
15.	Dr. S H Jangamshetti	--	Establishment of phase-2 of SCADA for distribution automation laboratory	TEQIP-II	<b>2012</b>	27,00,000.00	Completed
16.	Dr. S H Jangamshetti	--	Conical Collector Solar Water Heater for Rural Application	VGST, GoK	<b>VGST/TRIP/2012-13/242, dated 22.12.2012</b>	40,000.00	Completed
17.	S Y Goudappanavar	--	Hybrid Solar TEG for waste heat Recovery	KSCST Bangalore	7.1.03/SPP/1135, dated 03.03.2014	5,500.00	Completed
18.	S Y Goudappanavar	--	Grid-Tie Inverter with Bi-directional FCU	TEQIP-II	BEC/TEQIP-II/EEED, dated 03.03.2016	1,85,000.00	Completed
19.	Dr. B F Ronad	--	Performance Monitoring Unit for SPV Powered DC Irrigation Pumps	TEQIP-II	BEC/TEQIP-II/EEED, dated 03.03.2016	1,75,000.00	Completed

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20.	Dr. R L Naik	--	Smart control of power electronics-based machine drives	TEQIP-II	<b>2016</b>	16,85,000.00	Completed
21.	Dr. B F Ronad	--	Smart Sprayer for Horticulture Crops - An Approach Towards Systematic and Targeted Sprayer	KSCST Bangalore	7.1.01/SPP/08, dated 28.03.2018	7,000.00	Completed
22.	Dr. R L Naik	--	FPGA Based Switched Reluctance Motor Drive	TEQIP-III BEC	<b>TEQIP-III/2018/becg/8, dated 04.06.2018</b>	5,30,000.00	Completed
23.	Dr. R L Naik	--	Design and Development of portable wind blades using FRC and realization of low-cost small wind turbines	VTU	VTU/TEQIP-III/2019/321, dated 10.12.2019	2,00,000.00	Completed
24.	Dr. B F Ronad	S Y Goudappanavar	SPV based Outdoor Shelter for Street Vendors-Design, Implementation, Testing and Demonstration of Commercial Applications with SPV Powered DC Distribution.	VGST, GoK	VGST/RGS-F/GRD-903/2019-20/2020-21/198, dated 10.11.2020.	3,00,000.00	Completed
25.	Dr. B F Ronad	--	Design and Development of DC-DC Converter Employed for DC Distribution System for Domestic and Commercial Loads	KSCST Bangalore	7.1.01/SPP/10, dated 20.04.2021.	7,000.00	Completed
26.	Dr. S H Jangamshetti	--	Design and Fabrication of BLDC Motor for Solar PV Applications	KSCST Bangalore	7.1.01/SPP/10, dated 20.04.2021.	7,000.00	Completed

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27.	Dr. R L Naik	S S Tambakad	Development of FPGA Controlled Multilevel Inverter for Grid Connected PV Systems.	VTU	VTU/BGM/Aca/A-12/VTU RGS/DIS-EEE/2021-22/6066, dated 02.03.2022	12,00,000.00	Ongoing
28.	Dr. S H Jangamshetti	V C Jainkeri	Analysis of Lead Acid Battery for Determination of State of Charge Based on Machine Learning	KSCST Bangalore	7.1.01/SPP/91, dated 11.05.2022	5,000.00	Ongoing
29.	Dr. S H Jangamshetti	S Y Goudappanavar	Development And Performance Analysis of Small Wind Turbine Generator Blade	IEEE PES Bangalore Section	IEEE PES email dated 04.06.2022	5,000.00	Ongoing
30.	Dr. S H Jangamshetti	S Y Goudappanavar	Optimization of Converter for Roof top Hybrid nano WTG-Solar PV System in BEC(A) Distribution Network	IEEE PES Bangalore Section	IEEE PES email dated 04.06.2022	5,000.00	Ongoing
<b>Total Grants Received</b>						<b>1,57,36,000.00</b>	