



Bharatiya Vidya Bhavan's

Sardar Patel Institute of Technology

Autonomous Institute Affiliated to Mumbai University

Institute Name : Bharatiya Vidya Bhavan's Sardar Patel Institute of Technology

India Rankings 2022 ID : IR-E-C-33773

Discipline : Engineering & Technology

Consultancy Projects (2020-21)

Sr. No.	Financial Year	Name of faculty (Chief Consultant)	Client Organization	Title of Consultancy of project	Amount received (in Rupees)	Amount received (in words)
1	2020-21	Dr. Rajendra Sawant, Dr. Y. S. Rao	General Auto Electric Co. Mumbai	Design and development of 6kW Battery Charger for Indian Railways	185,000	One lakh eighty five thousand
2	2020-21	Dr. Rajendra Sawant, Dr. Y. S. Rao	Sileaf Technologies, Pune	Design and development of Solar Pumping BLDC Motor Controller	200000	Two lakhs
3	2020-21	Dr. Rajendra Sawant, Dr. Y. S. Rao	Riddhi Heatron Mumbai	Design and Development of Induction Casting Controller	100000	One lakh
4	2019-20	Dr. Sujata Kulkarni	FOSSEE, IITB	lab migration of Image and video processing.	0	
5	2020-21	Dr. Rajendra Sawant	LIGO-India, IUCAA Pune	Exploring techniques to reduce noise in high-precision position sensors (OSEMs) used in	0	
Total					485,000	

Consultancy Projects (2019-20)

Sr. No.	Financial Year	Name of faculty (Chief Consultant)	Client Organization	Title of Consultancy of project	Amount received (in Rupees)	Amount received (in words)
1		Dr. Rahul Dahatonde(PI) Dr. Deepak Karia (CO-PI) Dr. Rahul Khandare (CO-PI)	Under seed money grant of TEQIP-III, Sardar Patel College of Engineering, Andheri (West), Mumbai-400058	Metamaterial Based Dual-band MIMO Antenna with High Isolation	50,000	Fifty thousand only

2	2019-20	Dr. Rajendra Sawant, Dr. Y. S. Rao, Dr. Rajendra Sutar	Sileaf Technologies Pvt Ltd, Pune	Development of Universal Controller to work for water pump sets of capacities ranging from 3 HP to 10 HP catering to BLDC Motor, PMSM Motor and induction motor and for other types of motors used in agriculture equipment	200000	Two Lakhs
3		Dr. Rajendra Sawant, Dr. Y. S. Rao, Prof. G Haldankar	Riddhi Heatron	Design and Development of Digital Controller for Induction Casting Machine	100000	One Lakh
				Total	350,000	

Consultancy Projects

Sr. No.	Financial Year	Name of faculty (Chief Consultant)	Client Organization	Title of Consultancy of project	Amount received (in Rupees)	Amount received (in words)
1	2018-19	1) Dr. Y .S.Rao & Dr. R. R. Sawant	Riddhi Heatron	Design and Development of Digital Controller for Induction Casting Machine	100000	One Lakh
		2) Dr. Y .S.Rao & Dr. R. R. Sawant	Suyog Telematics Mumbai	Development of Software Applications to Maintain Service Calls and manage the service tickets/tokens	100000	One Lakh
		3) Dr. Y .S.Rao & Dr. R. R. Sawant	Zeuva Automotive Private Limited	Automotive Battery Management System	100500	One Lakh and Five Hundred
		4) Dr. Y .S.Rao & Dr. R. R. Sawant	Hardcarb Tech Pvt Ltd	Design and Development of a 24V/15A DC Motor PWM drive for PMDC OR shunt DC Motor	185000	One Lakh Eighty Five Thousand
		5) Dr. Y .S.Rao & Dr. R. R. Sawant	General Auto Electronic Corporation	Design and Development off Battery Charging System of 4.5 KW capacity	150000	One Lakh Fifty Thousand
		6) Dr. Y .S.Rao & Dr. R. R. Sawant	Sileaf Technologies Private Limited	Design and Development of Universal Controller for Solar Water Pumping	200000	Two lakh
		7) Dr. Rajendra Sawant (PI) Dr. Y. S. Rao (CO-PI), Prof. G. T. Haldankar (CO-PI)	General Auto Electric Corporation, Gavrai Pada, Vasai Road	Design implementation and testing of a DC to DC converter for ancillaries and charging batteries	150,000	One Lakh fifty thousand

		8) Dr. Rajendra Sawant (PI) Dr. Y. S. Rao (CO-PI), Dr. R. G. Sutar(CO-PI)	Hardcarb Technologies Pvt. Ltd., R-728, T.T.C. Industrial Area, MIDC Industrial Area, Rabale, Navi Mumbai,	Design and development of 24V/15A DC Motor PWM Drive for PMDC OR Shunt DC Motor	185000	One Lakh fifty thousand
		9) Dr. Rajendra Sawant (PI) Dr. Y. S. Rao (CO-PI), Prof. G. T. Haldankar (CO-PI)	Design and development of Digital Controller for Induction Casting Machine	Riddhi-Heatron, Gala No. 5, Rainbow Industrial Premises, Next To Floral Deck Plaza, Road No.23, M.I.D.C, Andheri East, Mumbai, Maharashtra 400093	100000	One Lakh
Total					1270500	