

**SRI SIVASUBRAMANIYA NADAR COLLEGE OF ENGINEERING
KALAVAKKAM- 603110
DEPARTMENT OF BIOMEDICAL ENGINEERING**

**LIST OF SPONSORED RESEARCH
External Funded and SSN Trust Funded projects**

EXTERNAL FUNDED PROJECTS

S.N O.	FACULTY (PI/ CO-PI)	TITLE OF THE PROJECT	YEAR	FUNDING AGENCY	BUDGET (in Rs)	DURATION (in months)
1	Dr. A. Kavitha <i>PI</i> Dr. S. Bagyaraj <i>CO-PI</i> Ms. R. Nithya <i>CO-PI</i>	Design and Development of Biosignal Controlled Hand Exoskeleton	2018-19	LSRB	23,70,206	36
2	Dr. S. ArunKarthick <i>CO-PI</i>	Design and Development of Disc-Shaped Donors and Inorganic Acceptors for Hybrid Organic/Inorganic Solar Cells	2018-19	Recycle 3D	27,61,000	24
3	Dr. L. Suganthi <i>Mentor</i>	Non-invasive Measurement of Blood Glucose and Hemoglobin	2019-20	AICTE	10,00,000	12
4	Dr. A. Kavitha <i>PI</i> Dr. S. Pravin Kumar <i>CO-PI</i>	Augmented Reality Based Surgical Support System	2020-21	SERB	25,93,932	36
5	Dr. J. Vijay <i>CO-PI</i>	Development of Multispectral (Thermal/Visible) Imaging System for Fever Screening in Crowded Places for Detection of Infectious Diseases	2020-21	SERB	11,61,629	24
6	Dr. R. Subashini <i>CO-PI</i>	Dose Assessment of Partial Body Exposure using Premature Chromosome Condensation Assay for Mass Casualty Accidents	2021-22	IGCAR	24,34,000	24
7	Dr. S. ArunKarthick <i>PI</i>	Design and development of 16 channel	2021-22	DST-BDTD	25,33,872	24

	Dr. Sachin <i>CO-PI</i> Dr. S. Pravin Kumar <i>CO-PI</i>	functional Near Infrared Spectroscopy system for measuring hemodynamics in Brain Prefrontal Cortex				
8	Dr. B. Geethanjali <i>PI</i> Dr. V. Mahesh <i>CO-PI</i>	Enhancing Brain Cognition through Neuro-Feedback model in Indian Children with Learning Disability	2021-22	SERB- CRG	44,03,080	36
Total Grant in Rs.					19257719	

SSN TRUST FUNDED PROJECTS

S.NO.	FACULTY (PI/ CO-PI)	TITLE OF THE PROJECT	YEAR	BUDGET (in Rs)	DURATION (in months)
1	Dr. L. Suganthi <i>PI</i>	Design of FPGA based non-invasive glucometer using Infrared LED techniques towards continuous glucose monitoring	2017-18	2,30,000	17
2	Dr. S. Bagyaraj <i>PI</i>	Development of an integrated continuous wave near infrared spectroscopy and surfaceelectromyography system for studying the musclesduring different activities	2017-18	3,11,000	24
3	Dr. S. ArunKarthick <i>PI</i>	Functionalised nasal filter for ABC filtration	2018-19	6,65,000	36
4	Ms. M. Dhanalakshmi <i>PI</i>	Design and development of Hi-Tech composite blades for lower limb amputees	2018-19	1,95,000	12
9	Dr. J. Vijay <i>PI</i> Dr. S. ArunKarthick <i>CO-PI</i>	Design and development of wearable textronic system for monitoring physiological parameters	2018-19	3,40,000	30
10	Dr.Sachin Gaurishankar Sarate <i>PI</i>	EMG Analysis of cricket Batsman foreman muscles while executing different phases of	2019-20	4,50,000	36

		batting strokes			
11	Dr. S. Pravin Kumar <i>PI</i>	Automatic measurement of vocal fold vibratory parameters	2019-20	7,50,000	36
12	Ms. B. Divya <i>PI</i>	VR for NDD	2019-20	4,20,000	30
13	Dr. K. Nirmala <i>PI</i>	Non-invasive portable system to estimate white bloodcells from the optical image of nail fold capillarycirculation	2019-20	3,50,000	36
14	Dr. V. Mahesh <i>CO PI</i>	Analyzing Diabetic Neuropathy-A graph theoretic approach	2020-21	2,20,000	24
Total Grant in Rs.				31,81,000	