

**SSN College of Engineering**  
**Department of Biomedical Engineering**  
**List of External funded projects**

S.No	Project Title	Principal Investigators / Co Investigators	Funding Agency	Date / Month of Sanction / Commencement	Amount in Rs. (Lakhs)	Duration	Academic Year
					Sanctioned		
1	Design and development of biosignal controlled hand exoskeleton	Dr. A. Kavitha, BME(PI) Dr. S. Bagyaraj, BME(Co- PI) Ms. R. Nithya, BME	LSRB	29.03.2018	23.7	2 Years	2021-22
2	Development of Multispectral (Thermal/Visible) Imaging System for Fever Screening in Crowded Places for Detection of Infectious Diseases	Dr. J. Vijay (Co-PI)	SERB	23.3.2021	11.61	2 Years	2020-21
3	Dose Assessment of Partial Body Exposure using Premature Chromosome Condensation Assay for Mass Casualty Accidents	Dr. R. Subashini (PI) Dr.N.P. Rajesh (PI)	IGCAR	28.8.2021	24.34	2 Years	2021-22

4	Design and development of 16 channel functional Near Infrared Spectroscopy system for measuring hemodynamics in Brain PrefrontalCortex	Dr. S. Arun Karthick (PI)Dr. Sachin (Co-PI)Dr. S. Pravin Kumar (Co-PI)	DST-BDTD	4.3.2021	25.34	2 years	2021-22
5	Augmented Reality Based Surgical Support System	Dr. A. Kavitha (PI) Dr. S. Pravin Kumar (Co-PI)	SERB-POWER	30.6.2021	25.94	3 Years	2021-22
6	Enhancing Brain Cognition through Neuro Feedback model in Indian Children with Learning Disability	Dr. B. Geethanjali (PI) Dr. V. Mahesh (Co-PI) Dr. Bikesh Kumar Singh ,NIT,Raipur (Co-PI)	SERB- CRG	3.8.2021	44.03	3 years	2021-22
7	Artificial Intelligence & IoT based Smart Vet Ecosystem for Animal Health, Patient Care & Precision Livestock Farming	PI : Dr. Selvaraj Palanisamy, TNVASU, Chennai CCPI :1: Prof. Sanjay Kumar Singh, IIT, BHU, Varanasi CCPI :2: Dr. Sameer Shrivastava, ICAR-IVRI, Izattnagar CCPI :3: Dr. Pandiyarasan Veluswamy, IIIT, Design & Manufacturing, Chennai CCPI :4: Dr. A. Kavitha, SSN College of Engineering, Chennai  Co-CCPI: Dr. S. Pravinkumar, Dr. J. Vijay SSN College of Engineering, Chennai	ICAR NASF	30.12.2022	215.38	3 years	2022-23

8	A powered EMG-based embedded system controlled transfemoral prosthesis	PI: :Dr. G. Satheesh Kumar AsP/Mech, Co-PIs: Dr. M. Dhanalakshmi, AP/BME, Dr. P. Vijayalakshmi, Prof & Head/ECE Dr. P. Rajini kumar, Tamilnadu Sports University.	SERB- CRG	3.3.2023	34.81	3 years	2022-23
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