

**Department of Biomedical Instrumentation Engineering**  
**Research Projects carried out in the Department**

S. No	Faculty Name	Title of the Project	Duration	Type of the Project	Name of the Funding Agency	Any JRF/SRF/staff appointed in this project
1.	Dr. Judith Justin Dr. R. Vanithamani	Setting up of center for Artificial Intelligence and Robotics	Apr. 2019 to Mar. 2021 (2 years )	Hardware	DST CURIE (Phase 1)	Nil
2.	Dr. Judith Justin	Modernization and Removal of Obsolescence (MODROB) of Biosensors and Transducers Laboratory	Dec. 2019 to Dec. 2021 (2 years)	Hardware	AICTE	Nil
3.	Dr. Judith Justin Co PI: Ms. A. Mahalakshmi	Development of screen printed Graphene based ECG sensor for Wearable e-textile application	Mar. 2020 to May 2020 (3 months)	Hardware	DST CURIE-AI facility (Phase 1)in house research project	Nil
4.	Dr. Judith Justin Co PI: Ms. Sneha Jagadish	Non-invasive measurement of Glaucoma Disease at early stage using Bio-magnetic signal from the eye	Mar. 2020 to May 2020 (3 months)	Software	DST CURIE-AI facility (Phase 1)in house research project	Nil
5.	Dr. Judith Justin Co PI: Ms. S. Nandhini	Lung Function monitoring device for Asthma and Jaundice	Mar. 2020 to May 2020 (3 months)	Hardware	DST CURIE-AI facility (Phase 1)in house research project	Nil
6.	Dr. R. Vanithamani Co PI: Ms. S. Swetha	Neural Network based Oral disease detection using WiFi module	Mar. 2020 to May 2020 (3 months)	Software	DST CURIE-AI facility (Phase 1)in house research project	Nil
7.	Dr. R. Vanithamani Co PI: Ms. D. Saravanapriya	Bone Arthritis	Mar. 2020 to May 2020 (3 months)	Software	DST CURIE-AI facility (Phase 1)in house research project	Nil
8.	Mrs. J. Revathi	Automatic Neonatal Cradle	Aug.2018 to Feb.2019 (6 months)	Hardware	TNSCST	Nil
9.	PI: Dr.Judith Justin Co PI: Dr.R. Vanithamani	Blood Vessel Segmentation by Fuzzy C-means Clustering for Diagnosis of Diabetic Retinopathy	May 2015 to May 2018 (3 years)	Extramural Research Project	Indian Council of Medical Research (ICMR)	Yes