



Avinashilingam Institute for Home Science and Higher Education for Women

(Deemed to be University Estd. u/s 3 of UGC Act 1956, Category A by MHRD)

Re-accredited with A++ Grade by NAAC. CGPA 3.65/4, Category I by UGC

Coimbatore - 641 043, Tamil Nadu, India

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	Amount in Rupees
1.	Dr. Judith Justin	Concerted approach to diagnose and manage anemia through development of cost-effective point of care devices	Aug. 2023 to July 2026 (3 years)	Hardware	DST- BDTD	24.17 Lakhs
2.	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)	13.4 Lakhs
3.	Dr. Judith Justin	Modernization and Removal of Obsolescence (MODROB) of Biosensors and Transducers Laboratory	Dec. 2019 to Dec. 2021 (2 years)	Hardware	AICTE	8.5 Lakhs
4.	Dr. Judith Justin 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 (Phase1) in house research project	Rs.5000.00
5.	Dr. R. Vanithamani	Neural Network based Oral disease detection using Wi-Fi module	Mar. 2020 to May 2020 (3 months)	Software	DST CURIE-AI facility (Phase1) in house research project	Rs.7000.00

6.	Dr. R. Vanithamani	Bone Arthritis	Mar. 2020 to May 2020 (3 months)	Software	DST CURIE-AI facility (Phase 1) in house research project	Rs.5000.00
7.	Mrs. J. Revathi	Automatic Neonatal Cradle	Aug.2018 to Feb.2019 (6 months)	Hardware	TNSCST	Rs.7500.00

8.	Dr. Judith Justin 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)	20.56 Lakhs
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