

## Department of Biomedical Engineering

### Faculty internally funded Project

S.No.	PI/ Co-PI	Title of the project	Year	Budget & Duration	Status
1	Dr. A. Kavitha	Implementation of finite element analysis (FEA) in bone biomechanics for designing suitable implants using MIMICS and 3D printing technology	2015	6.0 & 2 years	Completed
2	Dr. R. Sivarama Krishnan	Ocimum Sanctum extract coating on biomaterial surfaces to prevent bacterial adhesion and promote tissue integration	2014	2.5 Lakh & 2 years	On going
3	Dr. Guruprakash Dr. Subashini	Nanoparticle based strategies to combat orthopaedic implant associated infections	2013	6 Lakh & 2 years	Completed
4	Ms. Nithya	Design and Development of Orthotic Exoskeleton for Lower Limb Rehabilitation	2016	1.5 Lakh & 2 years	On Going
5	Dr. L. Suganthi	Design of FPGA based non-invasive glucometer using Infrared LED techniques towards continuous glucose monitoring	2017	1.5 years 2.30 Lakh	On going
6	Dr. S. Bagyaraj	Development of an integrated continuous wave near infrared spectroscopy and surface electromyography system for studying the muscles during different activities	2017	2 years 3.11 Lakh	On going
7	Dr. S. Arun Karthick	Functionalised nasal filter for ABC filtration	2018	3 years Rs.6.65 Lakh	On going
8	Ms. M. Dhanalakshmi	Design and development of Hi-Tech composite blades for lower limb amputees	2018	1 year 1.95 Lakhs	On going
9	Dr. J. Vijay Dr. S. Saraswathi Dr. S. Arun Karthick	Design and development of wearable textronic system for monitoring physiological parameters	2018	30 months 3.40 Lakh	On going

10	Dr.Sachin Gaurishankar Sarate	EMG Analysis of cricket Batsman foreman muscles while executing different phases of batting strokes	2019	36 months 4.5 lakhs	On going
11	Dr.S.Pravin Kumar	Automatic measurement of vocal fold vibratory parameters	2019	36 months 7.50 lakhs	On going
12	Ms. B. Divya Ms. S. Vidhusha	VR for NDD	2019	30 months 4.20 lakh	On going
13	Dr. K. Nirmala	Non-invasive portable system to estimate white blood cells from the optical image of nail fold capillary circulation	2019	3 years 3.50 Lakh	On going