

## Summary of R&D Projects 2015 to Present

Sr. No.	Project Title	Faculty	Project Status
<b><i>Mumbai University Funded</i></b>			
1	Design and Construction of a Computer Controlled High Resolution Research Grade Validation System for Hardware Research	Mrs. Nilima Warke	Ongoing
2	Time to Digital Converter for Nuclear Timing Spectroscopy System	Mrs. Kanchan Chavan	Ongoing
3	Electronic Talking Gloves for Speech Disabled People	Mrs. Amudha Senthilkumar	Completed
4	Determination of Ultracapacitor Parameters	Mrs. Jayassre Ramakrishnan	Completed
<b><i>VES Trust Funded</i></b>			
5	On Applications of Unscented Kalman Filter	Dr. (Mrs.) J. M. Nair	Completed
6	Simulation of Shielding Characteristics using GEANT4	Dr. (Mrs.) J. M. Nair, Sangeetha P. Ram	Completed
7	Kernel based Machine Learning for Nuclear Application	Dr. (Mrs.) J. M. Nair	Ongoing
8	Design and Construction of Precision and Sliding Pulse Generator	Dr. P. P. Vaidya	Ongoing
9	Design and Construction of Programmable TAC for Timing Spectroscopy Applications	Dr. P. P. Vaidya, Mrs. Kanchan Chavan	Ongoing
10	Electromyography based Joint angle analysis for prediction using Kalman Filter techniques	Mrs. Sangeetha P. Ram	Ongoing
11	Design and Construction of Optical Signal Processing System	Dr. P. P. Vaidya, Mrs. Kadambari Sharma	Ongoing

12	Application of Kalman filter Techniques in Nuclear Data science	Dr. (Mrs.) J. M. Nair, Mrs. Sangeetha P. Ram	Ongoing
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