

DEPARTMENT OF ELECTRICAL ENGG, NIT CALICUT

POWER ELECTRONICS STREAM

Recent Consultancy Project

Sr. No	Name of the project	Allocating Agency	Total Fund allocation	Faculty
1	Design of stackable 40 kVA UPS with multiple inputs	Tech27 System Pvt. Ltd.	Rs. 6.65 lakhs	Dr. Nikhil Sasidharan, Dr. Shreelakshmi M. P., Dr. Sandeep J.
2	Design of 40 kW Power Amplifier for Theatre Level Sonar Application	SFO Technologies Pvt. Ltd.	Rs. 15.24 lakhs	Dr. Rijil Ramchand, Dr. Jagadanand G., Dr. Nikhil Sasidharan, Dr. Shreelakshmi M. P., Dr. Sandeep J., Dr. Ashiq Muhammed P. E.
3	Testing of DC-DC Converters	NIOT	Rs. 3 lakhs	Dr. Shreelakshmi M. P., Dr. Nikhil Sasidharan, Dr. Jagadanand G.

Funded Projects

Sr. No	Project Title	Funding Agency	Total Fund Sanctioned	Faculty	Year of Award of project	Duration (Years)
1	FIST 2023 Grant	DST	Rs. 1.90 Crore	Dr. Nasirul Haque, Dr. Harish Sudhakaran Nair	2023	5
2	Deck power converter for shallow water ROV	NIOT	Rs. 6.6 lakhs	Dr. Nikhil Sasidharan, Dr. Shreelakshmi M.P., Dr. Hemarani P., Dr. Harish Sudhakaran Nair	2023	0.5
3	Electrically Excited Synchronous machine-EESM	E-Electric Pvt. Ltd.	Rs. 13 Lakhs	Dr. Nikhil Sasidharan	2022	1
4	A novel regenerative gear-less drive train based on doubly fed poly phase synchronous reluctance motor with active power factor correction capability	DST-SERB	Rs. 18.35 Lakhs	Dr. Shreelakshmi M.P.	2021	3