



## Research Projects

### Model Order Reduction for Simulation Acceleration in Power Electronics.

Funding Agency	CPRI
PI and Co-PI	Dr. M. A. Bazaz and Dr. Shahkar Ahmad Nahvi
Amount (Rs.)	7 Lacs
Status	Completed

### Design and analysis of quasi z-source-based multilevel dc-link inverter for performance enhancement of photo voltaic system

Funding Agency	TEQIP-III (SEED Grant)
PI and Co-PI	Dr. Salman Ahmad and Mr. Rahim Uddin
Amount (Rs.)	2 Lacs
Status	Completed

### Development of weather station at IUST for assessing the utilization of renewable energy for space heating and cooling.

Funding Agency	TEQIP-III (SEED Grant)
PI and Co-PI	Dr. Ahmed Sharique Anees and Dr. Salman Ahmad
Amount (Rs.)	2 Lacs
Status	Completed



## Research Projects...

### Analysis and protection of privacy through randomized response technique using branch and bound algorithm

Funding Agency	TEQIP-III (SEED Grant)
PI and Co-PI	Ms. Baziga Youssuf and Dr. Tanveer Ahmad Tarray
Amount (Rs.)	2 Lacs
Status	Completed

### Design Innovation Centre (DIC) at Islamic University of Science and Technology.

Funding Agency	MHRD
PI and Co-PI	Dr. S. A. Nahvi, Dr. F. Ahmad, Dr. K. Giri, Dr. B. Nabi
Amount (Rs.)	1 Crore
Status	Ongoing

### Data Gathering Analysis and Protection of Privacy through Randomized Response Algorithm

Funding Agency	JKSTIC
PI and Co-PI	Mr Zahoor Ahmad
Amount (Rs.)	6.8 Lacs
Status	Ongoing



## Research Projects...

Design and implementation of reduced switch count multi level inverter for unified power flow controller to improve solar intermittency and power quality

Funding Agency	J & K DST
PI and Co-PI	Dr. S. Ahmad, Dr. A. S. Anees, and Mr. J. Bashir
Amount (Rs.)	2.74 Lacs
Status	Ongoing

Development of Green Technology based hybrid Space Heating system for Kashmir Valley.

Funding Agency	JKSTIC
PI and Co-PI	Dr. Ahmed Sharique Anees, Dr. S. Ahmad, and Mr. R. A. Lone
Amount (Rs.)	4.99 Lacs
Status	Ongoing

Design and analysis of a bag value mask based frugal ventilator

Funding Agency	JKSTIC
PI and Co-PI	Dr. S. A. Nahvi, Dr. M. A. Bazaz, Dr. M. Koul, Mr. P. Shoaib
Amount (Rs.)	7.7 Lacs
Status	Ongoing