Supervision of M.Tech Thesis

No.	Name of students	Title	Year
1	Amit Jain	Resonant converter for AC drive application	1996
2	Amitabh Chatterjee	Speed control of induction machine using fuzzy logic controller	1996
3	S. Ganesh*	Knowledge based neural networks for power applications	1996
4	Ratnesh Singh	Microcontroller based PWM VSI drive for hysteresis motor	1997
5	Nabanta Ray	Digital and analog simulation or induction machine with online parameter estimation	1997
6	P. Siva Prakash	Fuzzy based resonant pole converter	1997
7	Pradeep Kumar Anand*	Development of an efficient electric drive for robotics application	2001
8	Suresh Suralkar	Design and development of a reliable AC drive	2001
9	Mahesh Nankar	Resonant power conversion based battery charger	2001
10	Nitesh Kumar Singh	Design and fabrication of remote controlled AC drives	2001
11	Sreejakumar S	A DSP based high power factor high frequency link AC-DC converter	2001
12	S. Santhosh	Design and fabrications of 1kva uninterruptible power supply system	2001
13	Mini Rajeev	Design and implementation of a single stage single switch power factor correction technique for switched mode power supplies	2002
14	Prashant Gugle	DSP based power factor correction by active shaping of input current	2002
15	P. Bhagavan Krishna	DSP based control of energy efficient incremental motion DC drive	2002
16	R. Vishwanath	Gamma radiation effects on operational amplifier circuits	2003
17	Hiren Patel	Microcontroller based intelligent battery charger system operating at unity power factor	2003
18	Ranganadh Thatha	Embedded web server based data acquisition system	2003
19	Sunil Kumar*	Sliding mode control of switching regulators	2003
20	Pavan Kumar Chillara	Sensorless control of induction motors using kalman filters	2003
21	Mohit Kumar	Time domain technique for EMI filter design	2004
22	Bandaru Raja Sekhar	Design and development of a low cost digital storage oscilloscope	2004
23	Anil Rahate	DSP Based Speed Estimation And Fault Diagnosis Of Induction Motors Using Advanced Techniques	2004
24	D.V.M.M. Krishna	Active Gate Control and Reliability enhancement of series connected IGBTs	2004
25	Bhaktavatsala S*	Design and development ao DSP based GPS- INS integrated system	2004
26	Sandeep Dadhich	Design and implementation of a DSP based single stsge grid connected PV systems	2004
27	Somak Gupta Roy*	Analytical study & power prediction for flexible PV based system	2005
28	Sandeep Satav	Design & development of microcontroller based EMI measurement system for EMI precompliance	2005
29	Nitesh Kumawat	Development of energy efficient electric drive for an electric vehicle	2005
30	Narender Redddy	A hybrid distributed power generation system based on solar and fuel cells ...	2005
31	Ramchandra N.C.S	Design and development of a web server based spirometer	2005
32	Vishalkumar Bhanani	Experiment comparison of mppt techniques used for pv systems implemented in…	2005
33	Pundlik Ghate	Implementation of advanced control techniques for DC-DC Converters	2005
34	A.N.V. Udaya Kiran	A new single stage single switch AC/DC converter topology operating at high power factor	2005
35	Milan Sheta*	Energy optimized control of incremental motion DC drives	2005
36	Kapil Maheshwari	Design and development of flexible solar cell based photovoltaic system	2005
37	Vineet Aras*	Design of electronic control unit for automobiles electronic engine management system	2005
38	Tarun Kumar	DSP based control of non-conventional energy fed DC-DC Converters operating in parallel	2006
39	Venkata Murali N	Design and development of automobile collision warning system	2006
40	Balaji Siva Prasad	Design and development of a new hybrid distributed generation system with photovoltaic array and fuel cell stack	2006
41	Lalitkumar Saptarshi	Design and development of a loosely coupled GPS- INS integrated system	2006
42	Raghavendra Rao Thota	DSP based Arc detection and Prevention	2006
43	Vishnu Sharma	Design and development of a pulse power supply	2006
44	Enduri Ramanji Reddy	Electrical Impedance Tomography	2006
45	Venkat Raman Reddy	Embedded web server based DC motor speed control	2007
46	Rakesh Kumar Aggarwal	A grid connected wind energy generation system with MPPT scheme	2007
47	Rajesh Posa	Fractional order control of second order DC-DC power converter	2007
48	Poonam Jasuja	DSP implementation of vector control of induction motor drive	2007
49	Pravin Patidar	Matrix converter based wind power generation system including compensation features	2007
50	Biswanath Nayak	Development of an FPGA and DSP based integrated INS/GPS system using extended kalman filter	2007
51	Ashutosh Maheshwari*	Field measuremant of PV module performance	2007
52	S.R.Sreenivasu	FPGA based implementation of a hybrid control scheme for DC-DC boost converter	2007
53	Amit Kaushik	A grid connected fuel cell system; A simulation study involving the cell dynamics	2007
54	Atul Kumar Gupta	Maximum power point tracking scheme for photovoltic systems based on fixed freqency implementation of sliding mode control	2007
55	Shirish Deodhar	Hybrid distributed generation system operating in islanded mode	2007
56	Thota Krishnarjunulu	An improved single stage single-switch power factor corrected AC/DC converter with higher efficiency	2007
57	Praveen Kumar	Comparison of EMC performance in a range of microcontrollers	2007
58	Shabbir Bohra*	Single phase single stage grid connected PV based inverter utilizing one cycle control technique with modited MPPT	2007
59	Medisetty Ravi	Asemi- resonant high power factor rectifier with clamped resonating tank on loan side for high output voltage applications	2007
60	Mukesh Bagul	FPGA implemetation of sliding mode controller for DC-drives	2007
61	Pradeep Sharma	Optimization of Energy Sources with respect to size, economy, efficiency and other parameters for a Hybrid Distributed..	2008

62	Rahul Porwal	DSP based Sensorless control of Induction Motor	2008
63	P. Santosh Krishna	Sliding mode control of a permanent magnet dc motor through ethernet	2008
64	V. Krishna Chaitanya	Fuzzy logic based Sensorless control of BLDC Motor	2008
65	B.V.N. Jayakrishna	FPGA Implemetation of QFT based controller for a buck type DC-DC power converter	2008
66	V. Rama Sai Krishna	DSP based current control techniques for shunt active power filter	2008
67	J. Surya Prabha	A comparison of Forward and Flyback S4PFC Topologies for a high power factor Lithium-ion battery charging application	2008
68	Ashwini R. Dixit	Design, Simulation and Fabrication of 1KV, 1KW DC Power source based on voltage fed PWM Inverter	2008
69	V.N.V. Srikanth	Modeling and Design of Digital controller for Boost type PFC Converter	2008
70	P. Rajesh	Fuel Cell fed DC and AC systems	2008
71	Ashish Talwalker	FPGA based operation and performance comparison of Contemporary Single-stage Single-switch (S4)PFC Topologies	2008
72	G. Sudhakar	A New Approach to Improve the Power Factor for an AC drive application	2008
73	Ashish Sharma	EMI-EMC issues in Aircraft Power Supplies	2009
74	Pankaj Arora*	CMOS Class E Power Amplifier Modeling and Design for Bluetooth Applications	2009
75	Chetan V. Patki	Grid-connected Wind Energy System with Maximum Power Point Tracking and Compensation Features	2009
76	Patel Rahul R.	Armature and Field Controlled DC Motor based Wind Turbine Emulation for Wind Energy Conversion Systems over a wide range of Wind velocity	2009
77	Raj Kiran A. S.	FPGA Based Hybrid Control of Permanent Magnet DC Motor Drive	2009
78	Vinod Kumar K.*	Three Phase three switch three level PWM (VIENNA) rectifier	2009
79	B. Surya Narayana Raju	FPGA based power factor control of DC-DC power converters	2009
80	Neeraj Kumar Mandloi	Design and Development of Automobile collision warning and avoidance system	2009
81	Sundeep Sunkari	FPGA based PWM control of DC-DC converter using Fuzzy Logic	2009
82	Hussain Neralwala	DSP based implementation of yaw rate and sideslip angle control algorithm for an electric vehicle application	2010
83	Shantanu R Nakhate	Design and Development of BLDC motor drive for an three wheel electric vehicle	2010
84	Davu Anil Kumar	Design and Fabrication of a Power Supply System for an Electric Vehicle Application	2010
85	Nikhil Nahar	Efficient Solar PV Tracking and Conversion for Electric Vehicle Application	2010
86	Kriti Kumar	Modelling, Design and Fabrication of Grid Connected Photovoltaic system	2010
87	Chaudhari Bhavik G.	Armature and Field Voltage Controlled DC Motor based Dynamic Emulation of a Wind Turbine and Grid Interfacing	2010
88	C. Chandramouli	Assistive System for he Visually Handicapped Using Optical Character Recognition	2010
89	Deepak Parmar	PEM Fuel Cell Fed Connected System For Microgrid Application	2010
90	Sagar Petkar	Adaptive Control of an Induction Motor Drive	2010
91	J. Venkata Ranga Siva Swaroop	Design and Development of a Regenerative Braking System for a Three Wheel Electric Vehicle using Ultracapacitors for Fast Acceleration and Deceleration	2011
92	Ramesh Akula	Design and Development of a Fast Battery Charging Scheme for an Electric Auto-Rickshaw	2011
93	S Narendra Kumar	A Fuzzy Based Optimally Regulated Multi Output Power Supply for Aerospace Applications with Low Cross Regulation	2011
94	Santosh Phulare	Implementation and Control of a Wind Energy Conversion System Operating in a Microgrid Environment	2011
95	Ghanshyam Gohil	Modeling, Design and Fabrication of Auxillary Power Support System Using Fuel-Cell and Ultrcapacitor for Back-up and Transient Stability in Micro-grid Environment	2011
96	Rupendra Singh Narwaria	A Low Cost Ultrasound Scanning Technique for Inspection of Cracks in Steel Rods and Pipes	2012
97	Kantipaka Srikanth	Sliding mode control of a Grid Connected Solar Photovoltaic Inverter	2012
98	Shafeeq E	3D Reconstruction From Stereo Images	2012
99	Anchala Venkatasai Vivek	Embedded System Design for Anti-Theft Feature in a Automobiles	2012
100	Mayank Sinha	An ultracapacitor driven short distance electric vehicle	2012
101	Dheeraj Kapur	A supercapacitor based electric vehicle	2012
102	Sajeesh Kumar K	Digital controller implementation for non-inverting buck-boost converter using runtime partial configuration of FPG	2012
103	Rakesh Sharma	Design and fabrication of solar PV fed high gain high efficiency Dc-Dc converter	2013
104	Thejashkumar Gunvantrai Naik	Design and development of PV grid interface using a three level NPC inverter suitable for partially shaded conditions	2013
105	Rajesh Sura	Control of renewable sources fed grid converter under unbalanced grid conditions	2013
106	Devendra Patil	Multi-input DC-AC converter for renewable energy sources and low frequency ripple reduction circuit for battery charger application	2013
107	Hashim M M	Design and fabrication of energy efficient LED lamp for street light application	2013
108	Poolm Reddy Rammohan	Design and development of DC microgrid with renewable energy sources	2013
109	Ashithosh P	Reliable Islanding Detection Technique for Grid connected PV System	2014
110	Kapil Bhise	Modeling, Designing and Fabrication of a Solar PV Based Power System for an Unmanned Aerial Vehicle (UAV) Application	2014
111	S. Venugopal	Design and development of ultracapacitor based DVR for ac microgrid	2015
112	Vineeth Krishnan	INVESTIGATION AND MITIGATION OF STABILITY ISSUES IN A WEAK AC MICROGRID WITH INERTIALESS RENEWABLE INTERFACE	2015
113	Pratik Patil	Converter topologies and control for energy storage in DC microgrids	2015
114	Kanchan Joshi	Solar PV based Compensator for Power Quality improvement	2015
115	Rohit Parashar	Synchronization and Control of a Voltage Source Inverter during Low Voltage Ride-through Operation	2015
116	Pawan Chetri	A Modified Space vector pulse width modulation Algorithm for a Multilvel inverter	2015
117	Deepak Kapse	A loss optimisation and cost effective droop control scheme for a dc microgrid integrated with utility grid	2016
118	Kapil Muddineni	Novel muliple input dc-dc converter for dc microgrid applications	2016