

K. J. Somaiya College of Engineering, Mumbai-77

(Autonomous College Affiliated to University of Mumbai)

Department of: Electronics Engineering**List of PG projects 2010-12****Total no of projects: 18, Total no of internal projects: 18, Total no of external projects: 00, Total financial assistance received: KJSCE –Nil, External agency: Nil**

Sr. No.	Names of group members	Roll No.	Title of Thesis	Thrust Area / Field / Domain	Name of Guide / Co-Guide	Internal / External	Affiliation	Any award won / Paper presented / Remarks
1.	Aiswarya P.	1017001	Supervisory control of a hybrid fuel cell power system	Power & Control	Prof. S S Halbe	Internal	---	Paper presented
2.	Chaskar Nayana	1017002	Digital Image in painting for object removal	Signal Processing	Prof. Arati Phadke/ Prof. J H Nirmal	Internal	---	Paper presented
3.	Shah Sejal	1017003	Speaker Identification	Signal Processing	Prof . S S Halbe/ Prof A Bhise	Internal		Paper presented
4.	Deshmukh Pankaj	1017004	Solar Energy Utilization	Power & Control	Prof . M S Marathe/ Prof . A S Thosar	Internal		Paper presented
5.	Hanumante Sandip Atmaram	1017005	Automation of greenhouse	Power & Control	Prof. Sudha Gupta/ Prof . K C Sawlani	Internal		Paper presented
6.	Jagtap Bhagyashri	1017006	An AES implementation on altera FPGA using NIOS II software	Digital Systems	Prof. Arati Phadke	Internal		Paper presented
7.	Kalav Dolly	1017007	Core processor congestion control in communication network using hybrid model	Communication Systems	Prof . Sudha Gupta	Internal		Paper presented
8.	Khalsode Deepali	1017008	Spectral transformation using artificial neural network	Signal Processing	Prof . Arati Phadke	Internal		Paper presented
9.	Lekha Kumari K	1017009	Development of wheelchair for multiple disable person using IRIS movement detection	Power & Control	Prof . Arati Phadke	Internal		Paper presented
10.	Pednekar Madhura	1017010	Audio watermarking for copyright protection and content authentication	Signal Processing	Prof . Milind Marathe	Internal		Paper presented
11.	Phadke Ghanshyam	1017011	Grid Connected Inverter using Photovoltaic Cell	Power & Control	Prof . Milind Marathe	Internal		Paper presented
12.	Purohit Yijay	1017012	Four quadrant operation of DC drive	Power & Control	Prof. Milind Marathe	Internal		Paper presented
13.	Sangale Arvind Raghunath	1017013	Mine rescuer with path tracking and calamity detection	Power & Control	Prof. S S Halbe	Internal		Paper presented
14.	Sankpal Amol Shashikant	1017014	Planet surface expedition using intelligent collaborative robotics system	Power & Control	Prof. S S Halbe	Internal		Paper presented

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15.	Shirke Amrita Anil	1017015	Subvocal recognition system for vocally disabled	Signal Processing	Prof. Arati Phadke	Internal		Paper presented
16.	Tawani Ruchi N.	1017016	Image matting using closed form solution	Signal Processing	Prof . Sudha Gupta/ Prof . Samidha Kulkarni	Internal		Paper presented
17.	Tisha Jose	1017017	Sliding mode control of wheeled mobile robot	Power & Control	Prof. S S Halbe	Internal		Paper presented
18.	Upadhyay Pragati	1017018	Change detection techniques for detecting changes in vegetational area using remotely sensed data	Communication Systems	Prof. Sudha Gupta	Internal		Paper presented

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List of PG projects 2011-13

Total no of projects: 18, Total no of internal projects: 17, Total no of external projects: 01, Total financial assistance received: KJSCE –Nil, External agency : Nil

Sr. No.	Names of group members	Roll No.	Title of Thesis	Thrust Area / Field / Domain	Name of Guide / Co-Guide	Internal / External	Affiliation	Any award won / Paper presented / Remarks
1.	Aarti Ambekar	1102001	Density and moment cased bilingual OCR for english and devnagari script	Signal Processing	Prof . Arati Phadke/ Prof. Samidha Kulkarni	Internal		Paper presented
2.	Aditi Jog	1102002	Video analytic trip wire for surveillance system	Power & Control	Prof . S S Halbe	External	Godrej	Paper presented
3.	Bhargavi Kaslikar	1102003	IEEE 802.15.4 based intelligent tracking system	Communication Systems	Prof . Sudha Gupta/ Prof K C sawlani	Internal		Paper presented
4.	Charulata Ingale	1102004	Intelligent appliance control system using ARM & zigbee	Communication Systems	Prof. Arati Phadke/ Prof. Rajashree Daryapurkar	Internal		Paper presented
5.	Chetan Rade	1102005	Speed control of three phase induction motor by v/f method using dsplc	Electronic Circuits	Prof. Milind Marathe/ Prof. B R Prabhu	Internal		Paper presented
6.	Chhaya Hinge	1102006	Computerized blood cell count based on feature extraction & classification.	Digital Systems	Prof. Arati Phadke/ Samidha Kulkarni	Internal		Paper presented
7.	Dhananjay Patil	1102007	Design of low cost multiutility wireless sensor network	Communication Systems	Prof . Sudha Gupta/ Prof A S Thosar	Internal		Paper presented
8.	Jennifer E.	1102008	Vibration analysis of in coach rail travel & its effect on health	Power & Control	Prof . S S Halbe/ Prof. U P chhatre	Internal		Paper presented
9.	Kavita Hiredesai	1102009	Grid connected hybrid power supply for telecom towers	Power & Control	Prof . Milind Marathe	Internal		Paper presented
10.	Madhura Tilak	1102010	Novel VHDL implementation of convolution of two finite length sequences using vedic mathematics	Digital Systems	Prof. Arati Phadke	Internal		Paper presented
11.	Pragya Gupta	1102011	Performance evaluation of proactive and reactive routing protocols under various mobility modules in mobile adhoc networks.	Communication Systems	Prof. Sudha Gupta	Internal		Paper presented
12.	Rohan Mandhare	1102012	Enhancement of remotely sensed data using pixel level	Communication Systems	Prof. Sudha Gupta	Internal		Paper presented
13.	Shila Dande	1102013	Analysis of mental retardation using facial features	Signal Processing	Prof. S S Halbe	Internal		Paper presented

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14.	Shilpa Rao	1102014	Implementation of an AMBA AHB complaint memory controller on a FPGA	Digital Systems	Prof. Arati Phadke	Internal		Paper presented
15.	Sonali Chatur	1102015	Computer based wheel adjustment measurement system	Power & Control	Prof . S S Halbe/ Prof. U P chhatre	Internal		Paper presented
16.	Sujata Nagargoje	1102016	Unity Power Factor SMPS	Power & Control	Prof. M S Marathe	Internal		--
17.	Umesh Srivastav	1102017	Coded of DM by unique word prefix	Communication Systems	Prof. R T Daryapurkar	Internal		--
18.	Vaibhav Patil	1102018	Five level diode clamp inverter using SVM	Electronic Circuits	Prof . M S Marathe	Internal		Paper presented

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List of PG projects 2012-14

Total no of projects: 13, Total no of internal projects: 12, Total no of external projects: 01, Total financial assistance received: KJSCE –Nil, External agency : Nil

Sr. No.	Names of group members	Roll No.	Title of Thesis	Thrust Area / Field / Domain	Name of Guide / Co-Guide	Internal / External	Affiliation	Any award won / Paper presented / Remarks
1.	Bhobe Saniya N	1202001	Design & Implementation of floating point vector co-processor	Signal Processing	Prof . J H Nirmal	Internal		Paper presented
2.	Chadda Ankita	1202002	Speaker Identity transformation using artificial neural network and Gaussian mixture	Signal Processing	Prof. J H Nirmal	Internal		Paper presented
3.	Kamble Vishwesh K	1202003	The study and analysis of effect of various parameters such as temperature and irradiance on solar modules such as polycrystalline using simulation based on division max to estimate output power of solar field	Power & Control	Prof . Milind Marathe	Internal		Paper presented
4.	Kavedia Manoj S.	1202004	Energy efficient vehicle management using cyber physical system	Communication Systems	Prof. Sudha Gupta	Internal		Paper presented
5.	Khan Suhail A	1202005	Artificial neural network based text independent speaker recognition	Signal Processing	Prof. A S Thosar	Internal		Paper presented
6.	Maheshwari Rashmi	1202006	Improving network lifetime using hierarchical energy efficient routing in wireless sensor network	Communication Systems	Prof . Sudha Gupta	Internal		Paper presented
7.	Mahiman Sanjog M	1202007	Data aggregation in wireless sensor network based on hierarchical routing	Communication Systems	Prof. Sudha Gupta	Internal		Paper presented
8.	Vaibhav A Kalatkar	1202008	Development of computerized evaluation system for generation of phytoconstituents in Centella asiatica under illumination of red, blue and UV lights	Power & Control	Prof . S S Halbe	Internal		Paper presented
9.	Pande Vinay	1202009	Artificial neural network based music genre classification	Signal Processing	Prof . J H Nirmal	Internal		Paper presented
10.	Patil Abhijit A	1202010	designing of electronic standing wheelchair for locomoto disabled	Power & Control	Prof. Milind Marathe	Internal		Received NRDC Building Innovators Award (Rs 1.00 Lakh) from National Research Development Corporation New Delhi India. Paper presented
11.	Vidwans Vedashree	1202011	Ethernet based machine and machine communication for petroleum reservoir modeling	Digital Systems	Prof . Arati Phadke	External	L & T	Paper presented
12.	Ashwin S K	1202012	MAC architecture using radix-2 modified booth algorithm	Digital Systems	Prof. A S Thosar	Internal		Paper presented
13.	Sujata P Jadhav	1202013	Traffic Management in wireless network using storm	Communication Systems	Prof . Sudha Gupta	Internal		Paper presented

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List of PG projects 2013-15

Total no of projects: 8, Total no of internal projects: 2, Total no of external projects: 00, Total financial assistance received: KJSCE –Nil, External agency : Nil

Sr. No.	Names of group members	Roll No.	Title of Thesis	Thrust Area / Field / Domain	Name of Guide / Co-Guide	Internal / External	Affiliation	Any award won / Paper presented / Remarks
1.	Amit kumar Bhuyan	1302001	Comparative study of features in voice conversion framework	Signal Processing	Prof . J H Nirmal	Internal		Paper presented
2.	Bhor Tushar Vitthal	1302002	Egg quality inspection and grading using image processing	Signal Processing	Prof . S S Halbe/ Prof. U P chhatre	Internal		Paper presented
3.	Bhosale Gauri Suresh	1302003	Implementation of asynchronous router for NOC on FPGA	Digital Systems	Prof . A S Phadke	Internal		Paper presented
4.	Kayal Apoorva Jayant	1302004	Multilingual vocal emotion recognition and classification	Signal Processing	Prof . J H Nirmal	Internal		Paper presented
5.	Najarakatt Lince Paulose	1302005	Motion control using Ethernet	Digital Systems	Prof. A S Phadke	External	Interface Design Associates Pvt. Ltd.	Paper presented
6.	Paradkar Anagha Ghanashyam	1302006	Three phase induction motor solar water pump and integrated approach	Electronic Circuits	Prof . A S Thosar	External	Interface Design Associates Pvt. Ltd.	Paper presented
7.	Patkar Vivek Padmanabh	1302007	Human machine interface using labview	Electronic Circuits,Digital Systems	Prof . Lekha Das	Internal		Paper presented
8.	Sawant Adeetya Pradeep	1302008	Iris recognition using support vector machine	Signal Processing, Communication Systems	Prof . Sudha Gupta	Internal		Paper presented
9.	Shah Kaveri Rajeshbhai	1302009	Energy efficient mobile ad-hoc network using zone based routing protocol	Communication Systems	Prof. Sudha Gupta	Internal		Paper presented
10.	Shraddha Kkabra	1302010	Implementation of artificial neural network with floating point arithmetic using verilog HDL	Digital Systems, Signal Processing	Prof. Lekha Das	Internal		Paper presented

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List of PG projects 2014-16

Total no of projects: 10, Total no of internal projects: 8, Total no of external projects: 2, Total financial assistance received: KJSCE –Nil, External agency : Nil

Sr. No.	Names of group members	Roll No.	Title of Thesis	Thrust Area / Field / Domain	Name of Guide / Co-Guide	Internal / External	Affiliation	Any award won / Paper presented / Remarks
1.	Aswini Devadas Suma	1402001	Design of anti-honking system against noise pollution	Communication	Prof. S S Halbe/ Prof. U P chhatre	Internal		
2.	Aher Vaibhavi Jayaram Shobha	1402002	Cryptography Technique for Data hiding application	Signal Processing	Prof. Samidha Kulkarni/ Prof. M S Marathe	Internal		Paper presented
3.	Desai Mayuresh Sudhir Supriya	1402003	IOT Based Vehicle Monitoring System	Digital Systems	Prof. A S Phadke	External	Force motors Pune	Paper presented Internship converted to placement
4.	Dsouza Hamish Henry Flory	1402004	Mapping Sugarcane Cultivation in Adamantina, San Paulo using Remote Sensing: A multi-temporal approach	Communication Systems	Prof. Sudha Gupta	Internal		Paper presented
5.	Momin Heena Gulamoddin Rihana	1402005	Path planning for mobile robot in dynamic environment using PSO algorithm	Power & Control	Prof. Annu Abraham	Internal		Paper presented
6.	Jaiswal Durgesh kumar Nirmala Devi	1402006	Implementation & analysis of multi-axes motion controller using FPGA	Digital Systems	Prof. Lekha Das	Internal		Paper presented
7.	Kulkarni Mrunmai Anita	1402007	Control of machines using gestures	Power & Control	Prof. S S Halbe	External	Interface Design Associates Pvt. Ltd.	Paper presented
8.	Nair Aparna Vijaykumar Tulasi	1402008	Analysis of fluidized catalytic cracking process using fuzzy logic	Digital Systems	Prof. R T Daryapurkar	Internal		Paper presented
9.	Nanoti Ashish Gajanan Shalini	1402009	Laryngeal Cancer Detection & classification using artificial neural network	Signal Processing, Communication Systems	Dr. J H Nirmal	Internal		Paper presented
10.	Sharma Agrani Suman	1402010	Enhancement of power quality in distribution system using D-STATCOM	Power & Control	Prof. A S Thosar	Internal		