

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

(Autonomous College Affiliated to University of Mumbai)

Department of: Mechanical Engineering**List of PG (Energy Engineering) projects 2014-15****Total no of projects: 5; Total no of internal projects: 4; Total no of external projects: 01**

Sr. No.	Name of student	Roll No.	Title of Thesis	Thrust Area / Field / Domain	Name of Guide / Co-Guide	Internal / External	Affiliation	Any award won / Paper presented / Remarks
1.	Mahavir Anurup Bhattacharya	1305101	Design and analysis of solar vapour absorption system.	Solar energy	Dr. K.N. Patil	Internal		Paper presented
2.	Prathamesh Chavan	1305103	Energy efficiency improvement and conservation opportunities in a glass manufacturing plant.	Energy conservation	Prof. Prashant Jain	External	Vitrum Glass, Vikhroli	Paper presented
3.	Kavendra A. Thakare	1305104	Development of solar thermal storage cum cooking device.	Solar energy	Dr. A.G. Bhave	Internal	Funded by UGC project of guide	Paper presented
4.	Ishan Upadhyay	1305105	Design and development of solar chimney.	Solar energy	Dr. A.G. Bhave	Internal		Paper presented
5.	Sagar V. Wani	1305106	Design optimization of forced flow solar water heating systems.	Solar energy	Dr. A.G. Bhave	Internal		Paper presented

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List of PG (Energy Engineering) projects 2015-16

Total no of projects: 12; Total no of internal projects: 07; Total no of external projects: 05

Sr. No.	Names of student	Roll No.	Title of Thesis	Thrust Area / Field / Domain	Name of Guide / Co-Guide	Internal / External	Affiliation	Any award won / Paper presented / Remarks
1.	Bera Sourabh Rajkumar Usha	1405101	Assessment of bovine dung based bio-energy potential and emission mitigation for Maharashtra	Biomass energy	Prof. Prashant Jain	Internal		Paper presented
2.	Chauhan Rajesh Om Kumar Darshana	1405102	Influence of engine operating parameters on performance and emission characteristics of compressed ignition engine fuelled with diesel and diesel-biodiesel blend.	IC engine	Dr. S S Bhusnoor	Internal		Paper presented
3.	Gupta Avi Rakesh Reeta	1405103	Development of soiling station	Solar energy	Prof. MS Marathe	External	Mahindra Susten	Paper presented
4.	Khedekar Rohan Nandkumar Nishigandha	1405104	Feasibility analysis of a community biogas power plant for rural energy access	Biomass energy	Prof. Prashant Jain	Internal		Paper presented
5.	Magdum Sushant Shivaji Sharada	1405105	Design and fabrication of solar powered biomass pyrolysis unit.	Solar / biomass energy	Dr. A.G. Bhave	Internal		Paper presented

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6.	Mahadeshwar Ninad Girish Gauri	1405106	Use of green-house gas in solar still	Solar energy	Dr KN Patil	Internal		Paper presented
7.	Patel Vivek Laxmanbhai Rekha	1405107	Design, fabrication and testing of tubular solid oxide electrolysis cell stack for hydrogen production	Fuel cell	Dr Luckman Mahmood	External	BARC	Paper presented
8.	Patil Saurabh Vijay Sandhya	1405108	Computational investigation of aerodynamic performance of wind turbines	Wind energy	Prof S. Nikam	Internal		Paper presented
9.	Shah Mayank Pradip Sadhana	1405109	Development of a mobile PV test lab and testing of PV modules.	Solar energy	Prof MS Marathe	External	Mahindra Susten	Paper presented
10.	Sharma Abhishek Sanjeev Sunita	1405110	Optimization of the process for performance audit of a solar photovoltaic power plant.	Solar energy	Prof Prashant Jain	External	Mahindra Susten	
11.	Tirodkar Siddhesh Ashok Asha	1405111	Experimental and modeling studies for control of nanoparticle under both developing and developed velocity and temperature in a tube using alternative fuels.	Engine emissions	Dr. SS Bhusnoor	Internal		Paper presented

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12	Tiwari Hema Rishiraj Mithilesh	1405112	Mo-doped anode material for solid oxide fuel cell for direct utilization of hydrocarbon fuels.	Fuel cell	Dr Luckman Mahmood	External	BARC	Paper presented