



K J's EDUCATIONAL INSTITUTES

TRINITY COLLEGE OF ENGINEERING & RESEARCH

Approved by AICTE, Government of Maharashtra & Affiliated to Savitribai Phule Pune

University



Accredited NAAC Grade 'A+' (2nd Cycle)

MECHANICAL ENGINEERING DEPARTMENT

FACULTY ACHIEVEMENTS

RESEARCH GRANTS - PROJECTS

Sr No.	Title	Name of Investigator	Duration	Cost of Project (Rs)	Funding Agency / Scheme
1	Design and Development of Low Pressure Direct Injection Type Fuel Injection System for Small Two Stroke Engine	Dr. Kumar D. Sapate	3 Years 2013 - 2016	11.26 Lakhs	AICTE – RPS
2	Project: Performance Evaluation of solar Powered Peltier Condenser to Extract Water from Air	Prof. V. S. Shinde	2 Years 2016 - 2018	1.8 Lakhs	BCUD, SPPU
3	Data Acquisition System (NI USB-6210) and Accessories of Wheel Balancing Machine	Prof. V. B. Ghagare	1 Year 2016 - 2017	1 Lakh	BCUD, SPPU

FACULTY ACHIEVEMENTS: PATENTS FILED

Sr. No.	Title of the Invention	Patent Application Number
1	Innovative wind turbine	2475/MUM/2012
2	Simple unidirectional series rotors wind turbine	409/MUM/2013
3	Direct Injection System for Small Two Stroke SI Engine	410/MUM/2013A
4	Solar energy assisted container to keep cooked food warm	384/MUM/2014
5	A portable electricity producing device	2034/MUM/2015
6	Mist nozzle and method of making the same	2035/MUM/2015
7	Air foil for small wind turbine blade	201621021003

8	Dual flush for water tank in a toilet system	201621021009
9	Diffuser augmented wind turbine	201621021010
10	Rotor assembly arrangement for small wind turbine	201621021011
11	Yawing systems for small wind turbine	201621021013
12	Constructions of small wind turbine blade	201621021015