


DEPARTMENT OF ELECTRICAL ENGINEERING,

College of Engineering, Pune

Consultancy and R and D projects:

Sr No.	Name of the Project	Faculty co-ordinators	Cost	Funding Agency	Project Duration	Achievements
1.	Design and Prototype Development of Magnet Motors for Speed Dependent Loads	B. N. Chaudhari, R. T. Ugale	17.22 Lakh	AICTE	2008 - Ongoing	New topologies for PM machines are developed.
						
2.	DST-FIST	B. N. Chaudhari	28.55 Lakh	DST-FIST	2005 – 2010 (5 years)	State of the art lab with All in one Machine Test Bench is set up.



Machine Test Bench Set up.

3.	Development of Laboratory Model of Unified Power Flow Controller	Mrs. M. Murali	18.10 Lakh	DST	2010-2013 ongoing (3 years)	Establishing the FACTs laboratory is in progress
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4.	Development of Laboratory Model of Unified Power Flow Controller	V. N. Pande	1.0 Lakh	COEP Alumni Association	2011-2012	An experimental set up for FACTs is developed, in support with the project in (3).
5.	Modeling of an autonomous under water vehicle	D. B. Talange	24.87 Lakh	Naval Research Board, New Delhi	2011 – 2014 (3 years)	Development of simulation model and publication
6.	Development of Corn Toaster	D. B. Talange	9 Lakh	Mr. Bipin Deshpande,	2011 – 2014 (3	Development of physical unit for

				Pune	years)	the basic purpose
7.	Development of a novel, energy-efficient, field assisted, brushless, permanent magnet Synchronous motor (PMSM) for agriculture pumps	R. T. Ugale	10 Lakh	AICTE	2012-2014 (2 Years)	Fabrication of the above machine is in process.
8.	Design and implementation of Solar PV – AC hybrid system (SPVS) for Deep freezer and ILR for Primary Health Center	V. S. Bandal	36 Lakh	Health department, Govt. of Maharashtra	Ongoing	Improvement in Public Health Services. Life of 300 to 400 patients is saved every year.
9.	<p>D.B. Talange has filed and published three patents in the field of super Capacitor. 5.</p> <p>a) Title of the Invention: Methods of manufacturing electrodes for supercapacitor Date of filing the application: 14/10/2010 Application No.: 2858/MUM/2010</p> <p>b) Title of the Invention: Sandwich type supercapacitor making process Date of filing the application: 23/3/2011 Application No.: 841/MUM/2011</p> <p>c) Title of the Invention: Regenerative braking in electric two wheeler using supercapacitor. Date of filing the application: 23/3/2011 Application No.: 843/MUM/2011 Achievement: Patent, PhD and publication</p>					