

**Ongoing Funded Research Projects:**

Project Title	Faculty Incharge	Funding Agency	Amount (in lacks)	Duration
Feasibility analysis and Experimental study of Turret Gun control System.	Dr. S. S. Ohol	ARDE, Pashan	99	3 Years
IOT Based prognostics and health monitoring of a machining centre incorporating digital twin technology	Dr. S. S. Mohite	DST's SERB	30	3 Years
Development of AR & VR Laboratory	Dr. S. S. Pardeshi	Alumni Association	105	3 Years
Effect of Important Parameters on the Performance & Emission Characterstics of CRDI Diesel Engine Using Hydrogen as Duel Fuel	Dr. M. R. Nandgaokar	ATA Freightline India PVT. LTD.	12.85	1 Year
Integrated Thermal Management System	Dr. S. S. Mohite	Saleri Italo S.P.A.(Industry)	14.49	3 Years

**Completed Funded Research Projects:**

Project Title	Faculty Incharge	Funding Agency	Amount (in lacks)	Duration
Development Of Bulging Rate of tube testing system & Predicting remaining life Of tube placed in high temperature Zone	Dr.P.R. Dhamangaonkar, Dr. S.P. Butee	College of Engineering Pune	5	2 Years
Thermal ablation of breast tumor using biocompatible nanoparticles	Dr.Vishal Bhalla, Dr.Rashmika Patole	College of Engineering Pune	5	2 Years
"Enhancement of heat tranferefficiency of	M.R. Nandgaonkar,	College of Engineering Pune	4.5	1

lithium-ion battery packs using design of wavy fins”	P.W.Deshmukh, S.V.Lahane			2 Years
Development of Plug-in hybrid electric engine (PHEE) by extending the existing facility of computerized CRDI Diesel Engine for power generation	Dr S. V. Lahane, Prof M. R. Nandgaonkar, Dr P W Deshmukh, Dr A S Mane	College of Engineering Pune	5	2 Years
Performance improvement of rotary rake machine for sugarcane trash collection	Dr. N. K. Chougule ,Dr. U. M. Chaskar	College of Engineering Pune	4.9	2 Years
Development and manufacturing of tarpaulin (tarps) material &Development of adequate ventilation system to preserve onions	Dr. N. D. Shikalgar, Dr. A. M. More	College of Engineering Pune	4.9	2 Years
Comparative study of various configurations of linear Electrical Machines and design and analysis of linear permanent magnet synchronous motor for Electromagnetic Launch Systems	Dr.N.K. Chougule	R&D (E), DRDO Kalas, Dighi Road, Pune	10	1 Years
Air conditioning Experimental Equipment with NI software DAQ	S. N. Sapali	AICTE-MODROB	11.00	2 Years
Design and development of	M. R. Nandgaonkar	AICTE-RPS- NDF	24.00	2 Years

battery thermal management system for electric vehicles				
Moderation of Industrial Fluid Power	M P khond	AICTE-MODROB	10.50	2 Years
Development of Vibration and Accoustic Laboratory	A. P. Bhattu	Fluid Controls Pvt. Ltd. Pune	7.5	1 Years
Automated Bone Alignment Post-surgery Orthopedicpatients Straight Bone Fractures	S. S. Ohol	TEQIP-III	4.86	1 Years
Develop the Techno Economical Calibration Methodology Commonly industrial Robot Arm	S. S. Ohol	TEQIP-III	4.68	1 Years
Piezoelectric pressure Sensor with combustion chamber	M. R. Nandgaonkar	TEQIP-III	3.54	1 Years
Dyno Controller	S. M. Kadam	TEQIP-III	2.34	1 Years
Creo 6.0	N. K. Chaugule	TEQIP-III	1.81	1 Years
Software Based Calibration	S. S. Ohol	TEQIP-III	4.68	1 Years
Silicone oil Pump	H. P. Shinde	TEQIP-III	1.61	1 Years
Battery Tester	M. R. Nandgaonkar	TEQIP-III	1.89	1 Years