

**School of Mechanical & Manufacturing Engineering (SMME), NUST**  
**Completed Projects**

<b>S #</b>	<b>Title of Project</b>	<b>PI</b>	<b>Date of Completion</b>	<b>Total Cost (Million)</b>	<b>Sponsored by</b>
<b>International Projects</b>					
1.	Cummins – B valve train test rig	Dr Riaz A Mufti	2012	17 M*	BP
2.	Follower Rotation Measurement on the VWTDI (AUDI) -Cylinder Head	Dr Riaz A Mufti	2013	USD9,000	BP UK
3.	Slip Roll Ratio Measurement on Low Friction Valve Trains	Dr Riaz A Mufti	2013	USD 18000	BP (UK)
4.	Mercedes Benz OM 464 Project	Dr Riaz A Mufti	2015	2.0	Lubrizol (USA)
5.	Development of 5000 Meter Range Unmanned Helicopter alongwith all its System	Dr Irtiza Ali Shah	2014	US\$ 10,000/-	UNESCO
<b>National Projects</b>					
6.	Engine Blow-by Monitoring System	Dr Riaz A Mufti	2011	0.5	Millat Tractors
7.	Engine health monitoring system.	Dr Riaz A Mufti	2012	2.5 M	United Traders
8.	Fabrication of Jatropha Biodiesel Prototype Pilot Plant	Engr M Naweed Hassan	2013	1.5	ST Venture
9.	Design and Development of Engine Test Cell for Green Engineers	Dr Riaz A Mufti	2013	3.0	Millat Tractor
10.	2 x APU	Engr M Naweed Hassan	2014	1.0	HIT
11.	Control System for Engine Test Bed	Dr Riaz A Mufti	2014	0.75	Power Vision
12.	Radiator Dry lead Detection System	Dr Riaz A Mufti	2014	0.59	Kortech
13.	Knee Joint Part Project (Part II) MVRDE	Dr. Liaqat Ali	2015	0.069	MVRD
14.	PEFMA Fan Project	Dr. Shahid Ikramullah	2015	0.5	NUST (R&D)
15.	Modeling and robust control of grid connected converters	Dr. Mohsin Jamil	2015	0.5	HEC
16.	Manufacturing and Fabrication of Electric Bus for H-12 Sector NUST Campus	Engr M Naweed Hassan	2015	0.975	NUST

17.	Fascia Suturing (Closure) Device	Dr. Murtaza Najabat Ali	2015	0.350	Shifa International
18.	Design and Development of Canal-based Hydrokinetic Turbine Prototype	Dr. Abdul Ghafoor	2016	0.968	DTCE
19.	Dynamic vertical balancing machine	Dr Riaz A Mufti	Jul 16 – Dec 2016	0.6	Mecas Engineering