

**8<sup>th</sup> SCREENING COMMITTEE MEETING 2012**  
**RESEARCH SEED MONEY SCHEME**

**SANCTIONED PROPOSAL FOR DECEMBER 2012**

<b>SI No.</b>	<b>File No.</b>	<b>Name &amp; Address of Principal Investigator. E-mail Id/ Phone</b>	<b>Department</b>	<b>Title of the Project</b>	<b>Amount</b>
1	CERD/RSM55/2012	Shri. K S Santhosh Assistant Professor in Mechanical Engineering, College of Engineering, Trivandrum	Mechanical	Experimental and Numerical Investigations of Flow past Smooth and Rough Surfaces	2,00,000
2	CERD/RSM60/2012	Prof. D Mahipal Associate Professor in Mechanical Engineering, GEC, Thrissur	Mechanical	Development of Vegitable oil based nanofluids as industrial Lubricant	2,00,000
3	CERD/RSM63/2012	Smt. Padmavathy K S , Assistant Professor in Chemical Engineering, Govt. Engineering College, Thrissur	Chemical	Comparison of nanoadsorbents with non- nano adsorbents and to develop a suitable adsorption column using the selected adsorbent for the removal of heavy metal ions from wastewater	2,00,000
4	CERD/RSM65/2012	Dr. K P Indiradevi Principal Rajiv Gandhi Institute of Technology Kottayam	Electrical	Fractal Analysis of epileptic EEG Data	1,20,000
5	CERD/RSM66/2012	Sunitha S Asst. Professor in Civil Engineering College of Engineering Trivandrum	Civil	Experimental Investigation on Performance and Mechanical Properties of Innovative Engineered Cementitious Composites	50,000
6	CERD/RSM 68/2012	Shri. Sivakumar S Asst. Professor in Civil Engineering, College of Engineering, Trivandrum	Civil	Seismic Strengthening of RC Beam Column Joints with new detailing pattern	2,00,000
7	CERD/RSM 69/2012	Dr. Jayasree P K Assistant Professor in Civil Engineering, College of Engineering, Trivandrum	Civil	Studies on the effect of natural geotextiles reinforcement in quarry waste columns for soft soil stabilisation	2,00,000

8	CERD/RSM 70/2012	Dr. Binumol Tom , Professor in Architecture Rajiv Gandhi Institute of Technology, Kottayam	Arch	Developing sustainable practices for conserving the historic timber buildings through a search into the traditional knowledge base of the rich architectural Heritage of Kerala	2,00,000
9	CERD/RSM 71/2012	Smt. Leema Peter Assistant Professor in Civil Engineering College of Engineering, Trivandrum	Civil	Studies on Swelling Behaviour of Expansive Soils Stabilized with Natural Waste Materials	2,00,000
10	CERD/RSM72/2012	Dr. T M Amarunnishad Professor in Computer Science TKM College of Engineering, Kollam	Computer Science	An automated Machine Vision Based Coin Sorting System	1,10,000