

**12<sup>th</sup> SCREENING COMMITTEE MEETING 2014**  
**Research Seed Money Scheme**

**Sanctioned Projects 18.09.2014**

Sl No	File No.	Name& Address of Principal Investigator. E-mail Id/ Phone	Department	Title of the Project	Amount
1	C2/RSM89/2014	Dr. Mini Soman Associate Professor in Civil Engineering College of Engineering Trivandrum Phone:9447968010 Email:mini_soman@rediffmail.com	Civil	Strengthening of reinforced concrete short columns using advanced ferrocement jacketing	2,00,000
2	C2/RSM91/2014	Smt . Indulekha K.P Asst.Professor in Civil Engineering College of Engineering Trivandrum Phone:9495067874 Email: <a href="mailto:indulekhakp@yahoo.co.in">indulekhakp@yahoo.co.in</a>	Civil	Laboratory Flume Experimental Studies on the use of Cocologs for Bank Erosion Control	2,00,000
3	C2/RSM95/2014	Shri. Thulaseedharan Nair B Associate Professor in Civil Engineering College of Engineering Trivandrum Phone:9446346884 Email: <a href="mailto:btnair@yahoo.com">btnair@yahoo.com</a>	Civil	Experimental Study on weir failure due to sand mining and rehabilitation measures	2,00,000
4	C2/RSM98/2014	Dr.Priyadarsini R.S Associate Professor in Civil Engineering College of Engineering Thiruvanathapram Phone: 9495401058 Email:priyadarsini_rs@yahoo.com	Civil	Stress Concentration factors (SC Fs) in FRP Flat Plates for space Applications	2,00,000
5	C2/ RSM101/2014	Smt.Sindhu P Asst.Professor in Civil Engineering College of Engineering Trivandrum Phone:9447862283 Email:sidhu.mohan@gmail.com	Civil	Studies on Relation Between Particulate Matter Concentration and Temperature Rise in an Urban Area	2,00,000
6	C1/RSM99/2014	Dr.Sudha T Professor in Electronics and Communication NSS College of Engineering Palakkad Phone:9497628603 Email:sudhat@nssce.ac.in	EC	Energy Efficient Wireless Networks –towards Green Communication and for Sustainable Future	2,00,000

7	C2/RSM93/2014	Smt. Tessy Varkey A R Assistant Professor in Architecture Rajiv Gandhi Institute of Technology Kottayam Phone:9846759020 Email: <a href="mailto:tessyvarkey@gmail.com">tessyvarkey@gmail.com</a> , <a href="mailto:tessy@rit.ac.in">tessy@rit.ac.in</a>	Architecture	Development of Indoor Air Quality Policy and Standards for Kerala, India	2,00,000
8	C2/RSM94/2014	Smt. Ambily P Assistant Professor in Architecture Rajiv Gandhi Institute of Technology Kottayam Phone: 8281877799 Email:ambilymenon@gmail.com	Architecture	Developing Guidelines for Climate Responsive and Site Sensitive Architecture for New Constructions in Western Ghats	2,00,000
9	C3/RSM102/2014	Dr. Manju M.S Asst.Professor in Chemical Engineering Govt. Engineering College Thrissur Phone:9995894962 Email:manjupradeep@gectcr.ac.in	Chemical	Degradation of endosulfan under visible light using Copper and Iron loaded nanoclays and hydrogen peroxide as Photo-Fenton reagent	2,00,000
10	C2/RSM92/2014	Shri. Asok kumar A Assistant Professor in Electrical Engineering College of Engineering Trivandrum Phone: 9446130386 Email: <a href="mailto:asokkumarsuma@gmail.com">asokkumarsuma@gmail.com</a>	Electrical	Development of an energy-efficient switched-reluctance Motor and its drive system for application to domestic appliances	2,00,000
11	C2/RSM90/2014	Smt. Leena R Asst. Professor in Mechanical Engineering TKM College of Engineering Kollam Phone:9447074745 Email:leenakalidas@gmail.com	Mechanical	Investigations on Heat transfer and fluid flow characteristics of Jet Impingement Cooling for High Power Electronics	2,00,000
12	C2/RSM100/2014	Dr.Abhilash Suryan R Asst.Professor in Mechanical Engineering College of Engineering Thiruvannathapuram Phone:8281211932 Email:suryan@cet.ac.in	Mechanical	Study of Fast Filling of Gas Storage Tanks	2,00,000
13	C2/RSM104/2014	Dr. V.R Rajeev Asst.Professor in Mechanical Engineering College of Engineering Thiruvananthapuram Phone:9895696601 Email:rajeevcet@gmail.com	Mechanical	Tribological Characteristics of Electromagnetically Stirred Aluminium Silicon Alloy	2,00,000

**12<sup>th</sup> SCREENING COMMITTEE MEETING 2014**  
**STUDENT PROJECT**  
**Sanctioned Projects 18.09.2014**

Sl No	File No	Name of Principal Investigator	Name of Student Investigators	Title of Project	Department	Amount
1	C1/SP247/2014	Dr.Sudha T Professor in Electronics and Communication N.S.S College of Engineering Palakkad Phone:9497628603 Email:sudhat@nssce.ac.in	Anagha Madhav K P  Anand V  Kavya V G  Kuran Selvan  Krishna Anilkumar	Green Cognitive Radio for “Smart” Building Environments	EC	40,000
2	C3/SP243/2014	Dr. V.R.Rajeev Asst.Professor in Mechanical Engineering College of Engineering Thiruvnanthapuram Phone:9895696601 Email:rajeevcet@gmail.com	Sajith Mohan  Shamsudheen P K  Shanto Paul	Effect of nickel addition on the wear characteristics of Al-Si piston alloys	ME	50,000

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### Centre of Excellence

Sanctioned Projects 18.09.2014

Sl No	Name of Principal Investigator	Title of Project	Department	Amount
1	Dr.Beena V I Professor in Civil Engineering Govt. College of Engineering Kannur	Structural Dynamics and Vibration Control	CE	50 Lakhs