

**LIST OF
RESEARCH SEED MONEY PROJECTS
SELECTED FOR FUNDING
OCTOBER 2017**

1. Computer Science

Sl No	Name of Principal Investigator	College	Title of the Project	Branch	Amount (Rs) Sanctioned
1	Dr.Shobhana N V Professor	RIT	Text Mining in Malayalam Documents.	CS	154500.00
2	Sminu Izudheen Asst Prof	RAJAGIRI	Study on effect of community structures in cancer protein identification using topological properties of protein-protein interaction networks	CS	100000.00
3	Leena Silvester Asst Prof	CE ATTINGAL	MRI analysis of lumbar disc degeneration	CS	200000.00

2. Electronics & Communication

Sl No	Name of Principal Investigator	College	Title of the Project	Branch	Amount (Rs) Sanctioned
1	Dr.C.Sathish Kumar, Prof E.Suresh Kumar Asso prof (Co-Investigator)	RIT	Identification of diseases in horticultural crops using image processing techniques on plant leaves	EC	200000.00
2	Dr.Nissan Kunju Asst Prof	TKMCE	Myoelectric control for grasping action in a prosthetic arm	EC	190000.00
3	Dr.S.Swapnakumar Prof & HOD	VIDHYA	To develop a system based on image processing tools for real time monitoring of wear and tear of metal cutting blades	EC	61500.00
4	Dr.Ansal K A Asst Prof Dr.Riboy Cherian Prof (Co-Investigator)	SAINTGITS	Design, development, characterization of CPW fed miniaturized antennas and filters for UWB application	EC	110000.00

3. Mechanical

Sl No	Name of Principal Investigator	College	Title of the Project	Branch	Amount (Rs) Sanctioned
1	Dr. Baiju V Asst Prof	TKMCE	Development of solar vapour adsorption refrigeration system for low temperature applications	ME	200000.00
2	Chacko Preno Koshy Asst prof	SAINTGITS	Synthesis of metal dichalcogenide nanoparticles and evaluation of their tribological and application in four-stroke petrol engine as an additive in coconut oil based nano-lubricants for the development of a sustainable and eco-friendly bio-lubricant	ME	146000.00
3	Ranjith S Kumar Asst prof	CET	Design and development of integrated photolithography system for micro fluid applications	ME	200000.00
4	Dr.Anish K John Asst Prof	GECBH	Prototype Development and Performance Analysis of Reciprocating IC Engine with Axially Rotating Power Output Shaft.	ME	200000.00
5	Dr.Sudeep U Asst Prof	NSS	Development of micro textures on Ti based implant surfaces for better osseointegration and antibacterial properties	ME	160000.00
6	Rajesh Baby Asso prof	ST JOSPHS	Experimental investigations and performance optimization of the bipolar plates of proton exchange membrane fuel cells	ME	120000.00
7	Dr.Muraleedharan Nair K Asso prof	MAR BASELIOS	An extensive study on self-sustained oscillation of open, closed rectangular and rounded cavity	ME	200000.00

4. Electrical and Electronics

Sl No	Name of Principal Investigator	College	Title of the Project	Branch	Amount (Rs) Sanctioned
1	Muhammed Shanir P P, Asst Prof Vishnu R, Asst Prof (Co-Investigator) Dr.Muhammedali Shafeeque, Asst Prof (Co-Investigator)	TKMCE	Development of prototype to induce induction healing in bituminous pavements	EE	200000.00
2	Anish Benny, Asst Prof, Dept of EEE Dr.Soney Chathukulam George HOD Dept of Basic Science (Co-Investigator)	AMAL JYOTHY	Graphene-PANI Composite Material Development for Supercapacitor.	EE	150000.00
3	Dr.Sobha A P, Asso Prof Dr.Nirmal Madhu, Asso Prof (Co-Investigator)	VIDHYA	Development of electromagnetic interference shielding gaskets from polyaniline wrapped grapheme nano sheet/polyurethane composites	EE	200000.00
4	Arun Sebastian, Asst Prof Polly Thomas (Co-Investigator)	SAINTGITS	A Benchmark Experiment for Eddy Current Measurement on Metallic Surfaces During High Power Applications.	EE	120000.00
5	Dr.V R Jisha Asso Prof	CET	An autonomous quad copter based delivery system	EE	200000.00
6	Renjini G Asst Prof	NSS	Enhancing reliability of fuel cell vehicles through voltage regulation	EE	130000.00

5. Civil

Sl No	Name of Principal Investigator	College	Title of the Project	Branch	Amount (Rs) Sanctioned
1	Vishnu R Asst Prof	TKMCE	Evaluation of Rutting Potential of Bituminous Mixes Using Refusal Density Approach.	CE	200000.00
2	Dr.Indu M S Asst Prof	TKMCE	Degradation of industrial waste water using hybrid electrocoagulation-photocatalytic oxidation system	CE	197000.00
3	Dr.Mini Mathew Asso Prof	AMAL JYOTHY	Bio-composting of organic waste by fungi, biochar and rumputan peel	CE	100000.00
4	P S Abhilasha Asso Prof in Civil K.S.Sherin Asst Prof Civil (Co-Investigator) Pisharikkel Seetha Asst Prof Civil (Co-Investigator)	VIDHYA	Application of Geotextiles as Filter in Embankment Dams	CE	200000.00
5	Milu Mary Jacob Asst Prof	SAINTGITS	Structural response of composite metal deck and concrete filled slabs as floor diaphragms and shear walls.-An experimental study	CE	200000.00
6	Dr.Priyadarsini R.S Asso Prof	CET	Behaviour of cement concrete under elevated temperatures.	CE	200000.00
7	Dr.Bindhu K R Asso Prof	CET	Performance of shearwall with debonded reinforcement under seismic type loading	CE	200000.00

6. Chemical

Sl No	Name of Principal Investigator	College	Title of the Project	Branch	Amount (Rs) Sanctioned
1	Dr.M S Giri Nandagopal Asst Prof	SAINTGITS	Experimental investigation on nano photocatalytic degradation of ammonia expulsing from latex industry effluent	CHEM	113150.00