

**LIST OF
STUDENT PROJECTS
SELECTED FOR FUNDING
OCTOBER 2017**

1. COMPUTER SCIENCE

SL NO	Name of Principal Investigator	Name of student Investigators	Title	Branch	College	Amount (Rs) Sanctioned
1	Suresh Kumar N Asso Prof Sreeraj S (Co-Investigator)	Sreenath K Jyothi T Thomas Ratheesh R Safwan A.K	Leaf colour chart based Nitrogen content estimation and recommendation system for Rice.	CS	CE&M PUNNAPRA	36000.00
2	Kiran V K, Asst Prof Mohandas K A Asso Prof (Co-Investigator)	Abhishek T V Akhila Aryakrishna V R Greeshma P Jafsal M A	Structural Monitoring of Buildings Using Wireless DIY Kits and WoT	CS	NSS	48586.00
3	Salitha K K, Asst Prof Ayana Ajith, Asst Prof (Co-Investigator)	Aiswarya K P Amrutha Suresh Anusree baburaj Haneena Abdul Latheef Jisna K Joy	Emotion detection system for people with cognitive disabilities	CS	VIDYA	33000.00
4	Ameera Beegum J, Asst Prof Aparna A, Asst Prof (Co-Investigator)	Amith Raj m Jibin G Mathew Sanu S Samuel Suraj S Kumar	E-Land surveying system	CS	CE PERUMON	49000.00
5	Soumya K S, Asst Prof Saranya R S, Asst Prof (Co-Investigator)	Anna Sharon Stalin Akshaya Abhiremya Krishnan U R Sivadarsana S	Facial expression recognition	CS	CE PERUMON	15000.00
6	Sreedeepta H S, Asst prof Rajkumar T (Co-Investigator)	Anagha T J Athira Saji Neethu Anil Kumar Nidhi Elizabeth thomas	A WSN based human animal conflict resolution system	CS	CE KALLOOPPA RA	50000.00
7	Anish A Aziz, Asst Prof Nisha C A, Asst Prof	Amal A Nair, Blessy Joseph, Jestin Cherian Philip,	Obiter Dictum : Smart Realtime Healthcare Monitoring System with Face	IT	CE KIDANGOOR	39000.00

	(Co-Investigator)	Sinjila P.V, S.Toyasoumya	Detection and Motion Analysis			
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2. ELECTRONICS AND COMMUNICATION

SL NO	Name of Principal Investigator	Name of student Investigators	Title	Branch	College	Amount (Rs) Sanctioned
1	Shayini R, Asst Prof Biju P, Asst Prof (Co-Investigator)	Shahsoor Asrandhakath	Aadhar based finger print voting machine	EC	CE THALASSER Y	23500.00
2	Ramesh C R Asst Prof Rakesh V S Asst Prof (Co-Investigator)	Aftab Ashraf A V Aishwarya Pradip Aiswarya Rajeev Akash Sathian P S Anjali P	Design and Validation of Low Cost Non-Invasive Hemoglobin Tester.	EC	VIDYA	16000.00
3	Dr.Sindhu R Professor	Akhila M A Anjali P Athira S B Sukanya	Secure transaction using hidden QR code and enhanced ATM security	EC	NSS	12510.00
4	Binu L S Asst Prof	Jerrin George James Nandana Nair K.S Adarsh S Iyer Nidhi P.S	Two wheeled self balancing electric scooter	EC	CET	50000.00
5	Kiran R Asst Prof	Siraj T S fibu Ihsan Sahil Khaleel Rose Vithayathil	Automatic detection of live(conducting) transmission lines	EC	CET	45000.00
6	Dr.Jiji C V Prof	Hari M R Dileep P Surya Sreenivas Jones Chakkalakkal	Development of LiDAR	EC	CET	50000.00
7	Kiran R Asst Prof	Prathul P A Ajo Anto Vishnu Prasad M M Akshay P Muhammed Arshal	Non Invasive blood glucose monitoring	EC	CET	22500.00
8	Ciza Thomas Prof & HOD	Nameeta George Sankar Sreekumar	Adaptive traction control	EC	CET	48000.00

		Soorya Krishna Sidharth Raghunandan				
9	Dr. Suresh K Asso Prof	Ponnu Priya P V Sally Marion K Shwetha Narayan Swathi M S	Smart vacuum cleaning robot	EC	CET	22500.00
10	Shanu N Asst Prof	Saumya L P M Aathira	Variable Damping control for prosthetic limb	EC	CE ATTINGAL	42000.00
11	Anila P V, Asst Prof Dr Aby Thomas Asst Prof (Co-Investigator)	Brijesh K Thulasi Athul Prasad Jerin P Joy Ashin Robert	Smart ATM and smart android application	EC	MAR ATHANASIUS	44500.00
12	Dr. Ajy joy Asst prof Dr.Mathew K Asst Prof (Co-Investigator)	Anjali Sukumaran Georgekutty Johny Joanna Charles William Paul Winto	Fabrication of a fully automated answer book scanner for on screen valuation	EC	MAR ATHANASIUS	47500.00
13	Dr. Mathew K, Asst Prof Nithin James, Asst Prof (Co-Investigator)	Tom Kurian Anil Kumar B Vishnu S Nair Anusuya R	Implementation of DSO based on FPGA	EC	MAR ATHANASIUS	44915.00
14	Krishna Kumar K P Asst prof Balu Raveendran Asst Prof (Co-Investigator)	Sam Varghese Ashlin Antony Jebin Peter Irene Jaison V Gayathri	Midi interfaced autonomous violin(M.I.A.V)	EC	RAJAGIRI	40000.00

3. MECHANICAL

SL NO	Name of Principal Investigator	Name of student Investigators	Title	Branch	College	Amount (Rs) Sanctioned
1	Dr. V R Rajeev Asso Prof Dr.K K Manesh (Co-Investigator)	Safeer K P Sandeep K Sareesh Kumar A Shan Antony Sharun M P	Effect of electromagnetic stirring and rare earth material addition on the microstructure and mechanical characteristics of	ME	GECTCR	50000.00

			Al-Si alloy.			
2	Praveen A P Asso Prof Dr.Sooraj K Prabha Asso Prof (Co-Investigator)	Nikhil John Rahul P Rohith M Krishnan Shibin P M Sreerag A	Estimation of spring-in and warpage of fibre reinforced composite laminates.	ME	VIDYA	35000.00
3	Venkitaraj K P Asst Prof	Aswin g abhishek R Aravind S Arjun P Suresh Arun Kumar C S	Increasing the energy efficiency of solar cell by integrating PCM and solar selective coating.	ME	CE ADOOR	50000.00
4	George Mathew Asst Prof Prof Vinod Yeldho Baby (Co-Investigator)	Ashik Muhammed Shaji Ashik K S Bipin Baby Prasoon J	Solar distillation of water using porous double layer	ME	MAR ATHANASIUS	50000.00
5	Prof. KORA T SUNNY Dr. KURIAN JOHN (Co-Investigator)	AKSHAY PRASAD K ASHIN K K DELBIN BABY NIKHIL O	SOLAR ASSISTED SPICE DRYING MACHINE	ME	MAR ATHANASIUS	50000.00
6	Dr.Anjan R Nair Asst Prof Pradeep A Asst Prof (Co-Investigator)	Midhun V K Mohammed Sajjad M Rohith Surendran Shan Sudhi C K	Multi source road power energy generation system(MSRPEGS) & study on effective and optimal road energy recuperation zones in the state	ME	CET	50000.00
7	Prof.Hashim V Asso prof	Ridhev P Vabhith N V Athul M.K Arjundas P Dhrupad M A	Automatic tile gap filling machine.	ME	TKMCE	42500.00
8	Sreejith R Asst Prof	Mohammed Thaha Ansari Rahul George Kuruvilla Sobin Biju	Drainage cleaning system with the aid of solar energy	ME	SAINTGITS	48800.00

		Mathew Suraj Chacko Mathew				
9	Anjali S Nair, Asst Prof Indu T, Asst Prof (Co-Investigator)	Neeraj T P Rithin S Rimshid Rahman Mohd Rasul E S	Fire fighting robotic vehicle	ME	NSS	44000.00

4. ELECTRICAL AND ELECTRONICS

SL NO	Name of Principal Investigator	Name of student Investigators	Title	Branch	College	Amount (Rs) Sanctioned
1	Prof.Indulal S Asso Prof	Gibcen K Baby Gopal Krishna S Anna Roy Deepak P Gopakumar R	Mind Controlled Stair Climbing Wheelchair with self balancing seat.	EE	CET	46000.00
2	Hari Kumar R Asst Prof	Somnath Kishore Arjun Satheesh Sreekanth P Gokul Suresh Aarathy Muraleedharan	Optimal Energy Management in Interconnected Nanogrids	EE	CET	49951.00
3	Dr.Shereef R M Asst Prof	Praveen N S Kavyasree Raj S Shihabudheen K P Rahul R S Adil Rahman K Mujeebu Rahman	Rope less elevator system using linear induction motor	EE	CET	45000.00
4	Dr.V R Jisha Asso Prof	Abel kuriakose Abin Soby Gokul Krishnan Muhammed Afsal M Rahul V	Indoor navigation for visually impaired using visible light communication	EE	CET	50000.00
5	Sreedevi G Asst Prof	Abhishek M Arun T Azil A V	Portable life detection device	EE	CET	50000.00

		Fayis K P Sarath Ramesh Sreejith S Menon				
6	Dr. Mini V P Asst prof Prof.R Harikumar (Co-Investigator)	Aswathi T S Akshatha D Aiswarya Lakshmi Gopika K K Hisha V Rakhi R Chandran	Design and development of fault detection and prognosis system for three phase induction motor drive system	EE	CET	35000.00
7	Aswin T Surendran Asst Prof Arun Xavier (Co-Investigator)	Akshay Krishna P Akshay Unnikrishnan Joe N Joy Kiran M R K M Akshay	Automated Security system for automobiles.	EE	VIDYA	20000.00
8	Dr.Nissan Kunju Asst Prof Muhammedali Shafeeque K Asst Prof (Co-Investigator)	Adil Afwan Pulipra Saifali P Anju P Arunima B Yadhu Krishnan L S	An Efficient Power Modulator for Development of a Neuro-muscular Stimulator	EE	TKMCE	40000.00
9	Dr.Bijuna Kunju Prof in EEE	A Varun Dyuthi S Fathima Alfina Alen V Luke Jithin T	Full spectrum simulator for medium head hydro electric power plant	EE	TKMCE	50000.00
10	Dr.J.Mohanalin Rajaratnam HOD EEE Prasanth P J (Co-Investigator)	A Anish Akash S Ullas Arjun A Akhilraj Damodharan Nihal P Navas	Pesticide detector	EE	CE PATHANAPU RAM	35000.00
11	Praveen Kumar C Asst Prof	Sarath Sudhakar Shubham Shah Swedha S Babu Vishnu P	Autonomous quadcopter ambulance carrying external defibrillator for emergency	EE	NSS	48000.00
12	Dr.Ajay Babu Asst Prof	Suhda Sandeep Krishnan N R PV Ramachandran R Rahul	Battery SoC based wireless charging of electric vehicles	EE	NSS	40000.00

13	Dr.Bindhu S J Asso Prof Arun M S Asst Prof (Co-Investigator)	Abhijith A G Arun Gopi Harikrishnan G Sanoj Sanjeev Sreekanth G S	Wireless signalling in railways	EE	CE PERUMON	25000.00
14	Shinosh Mathew Asst Prof Anish Benny Asst Prof (Co-Investigator)	Santo Saji John Arjun Suresh Neethu Sathish Neethulekshmi V S	Braille digital encoder	EE	AMAL JYOTHI	18000.00
15	Salins S S Asst Prof Sreejith S Asst Prof (Co-Investigator)	Anvarsha M R Najmal A Nandulala P G Prakash G R Ubais B	Development of a floating device for cleaning waste materials and water plant from stagnant water bodies	EE	CE ATTINGAL	50000.00
16	Annie P Oommen Prof	Aparna Justin Aswathy R Sandra S Kurian S S Riyo Steffin	Automation of prosthetic limb using shared control of barain machine interface(BMI) and vision guided robotics	EE	MAR ATHANASIU S	50000.00
17	Abhilash B L Asst Prof Prasanth P J Asst Prof (Co-Investigator)	Anoop C K Asmina A Jishnu Sasidharan Revathy V Nair Swetha S Nair	FE-FEE (Feel The Feelings)	EE	CE PATHANAPU RAM	35000.00

5. CIVIL

SL NO	Name of Principal Investigator	Name of student Investigators	Title	Branch	College	Amount (Rs) Sanctioned
1	K A Mohandas Asso Prof Resmi G (Co-Investigator)	Meghana K Mohammed Rowshin Nihad Mohammed Ali Resmi K Vishnu U	Utilization of pharmaceutical sludge and textile sludge in brick manufacturing	CE	NSS	50000.00
2	Dr. Dhanya B S	Arya V Nair	Durability of two different	CE	NSS	45000.00

	Asst Prof Dr.Bindhu B K, Asso Prof, RIT Kottayam	Neeraja S Revathy V.V Saranya P.V	cementitious systems in organic and inorganic acidic environment			
3	Karthika M G Asst Prof Vishnu R Asst Prof (Co-Investigator)	Madhav S Sravya S Surya Ramesan Sangeetha Sreekumar Swathy M R Reema Roy	Evaluation of healing potential of bitumen	CE	TKMCE	43000.00
4	Vishnu R, Asst Prof Adarsh S Asst Prof (Co-Investigator)	Rahul Sreedhar Sarath Prasad Vaisakh G.K Suhail A	Evaluation of drainage characteristics of granular sub base layers in high way pavements	CE	TKMCE	48000.00
5	Dr. Elson John Asst Prof	Ciphins P Nassar Elizabeth Eldhose Elvin Eldho Taniya John	ECC mix design for link slabs in bridge deck	CE	MAR ATHANASIU S	50000.00
6	Firos Mon A M Asst Prof Appu P, Asst Prof (Co-Investigator)	Anju P Arun Ramesh, Binusha T Rohith M Pillai Shani C S	Replacement of coarse aggregate by ceramic waste in magnetic water concrete	CE	CE KIDANGOOR	46000.00
7	Asha N P Asst Prof Radhika P Nair Asst Prof (Co-Investigator)	Athira H S Athira V S Gayathri G S Farhana Fathima Reshma Babu S	Deformation behaviour of sheet pile waste	CE	LBS POOJAPPUR A	50000.00
8	Dr Jayamohan J Prof Sajith P, Asso Prof (Co-Investigator)	Anusha Nair B Akhila Vijayan Shilpa Vijayan Chandni S	Influence of cross sectional shape of footing on Load settlement behaviour	CE	LBS POOJAPPUR A	43500.00
9	Dr Jayamohan J Prof Suresh V R Asso Prof (Co-Investigator)	Greema Sunny Aleena Mariam Saji Alen Arun Thomas	Effect of anchorage on the behaviour of reinforced foundation bed	CE	LBS POOJAPPUR A	30500.00

6. CHEMICAL

SL NO	Name of Principal Investigator	Name of student Investigators	Title	Branch	College	Amount (Rs) Sanctioned
1	Fazil A Asst Prof Shijina S S Asst Prof (Co-Investigator)	Adarsh Sreekumar Joel Jacob Nithin T James	Single step Synthesis of ZnO nanoparticles dispersed on grapheme sheets via combustion synthesis for CO ₂ capture.	CHEM	TKMCE	50000.00
2	Fazil A Asst Prof Manikandan P M Asst prof (Co-Investigator)	Kurian George Mohamed Azeem Neethu Divakaran Sujith Surendran	Study of the efficiency of nano-copper coated catalytic converter using modified diesel	CHEM	TKMCE	50000.00
3	Dr.Ushakumary E R Asso Prof	Anish K Anjitha V Anjusha O Ansab N P	Production of Bioethanol from Agricultural Waste.	CHEM	GEC, KOZHIKODE	50000.00