

**LIST OF CERD STUDENT PROJECTS
SCHEDULED FOR PRESENTATION IN THE COMMITTEE MEETING
OCTOBER 2017**

1. COMPUTER SCIENCE

SL NO	Name of Principal Investigator	Name of student Investigators	Title	Branch	College	Date of Presentation
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	20-10-17 9am
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	20-10-17 9am
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	20-10-17 9am
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	20-10-17 9am
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	20-10-17 9am
6	Sreedeepta H S Asst prof Rajkumar T (Co-Investigator)	Anagha T J Athira Saji Neethu Anil Kumar	A WSN based human animal conflict resolution system	CS	CE KALLOPPA RA	20-10-17 9am

		Nidhi Elizabeth thomas				
7	Fr Dr Jaison Paul Mulerikkal CMI, Prof Sminu Izudheen Asst prof (Co-Investigator)	Neil Mathew Maliackal Muhammed Ajmal V Rohan George Lijo Paul	Energy load forecasting and real time remote monitoring system with smart meter	CS	RAJAGIRI	20-10-17 9am
8	Anish A Aziz, Asst Prof Nisha C A, Asst prof (Co-Investigator)	Amal A Nair, Blessy Joseph, Jestin Cherian Philip, Sinjila P.V, S.Toyasoumya	Obiter Dictum : Smart Realtime Healthcare Monitoring System with Face Detection and Motion Analysis	IT	CE KIDANGOOR	20-10-17 9am

2. ELECTRONICS AND COMMUNICATION

SL NO	Name of Principal Investigator	Name of student Investigators	Title	Branch	College	Date of Presentation
1	Shayini R Asst prof Biju P Asst prof (Co-Investigator)	Shahsoor Asrandhakath	Aadhar based finger print voting machine	EC	CE THALASSERY	23-10-17 9am
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	23-10-17 9am
3	Ashitha P R Asst prof Aswathy Surendran P Asst prof (Co-Investigator)	Kavya Manoj Krishnaveni P R Loyied Paulson Niranjana Unnikrishnan Sandeep S Nair	Real time pothole detection & Mapping	EC	VIDYA	23-10-17 9am
4	Dr.Sindhu R Professor	Akhila M A Anjali P	Secure transaction using hidden QR code and	EC	NSS	23-10-17 9am

		Athira S B Sukanya	enhanced ATM security			
5	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	23-10-17 9am
6	Kiran R Asst prof	Siraj T S fibu Ihsan Sahil Khaleel Rose Vithayathil	Automatic detection of live(conducting) transmission lines	EC	CET	23-10-17 9am
7	Dr.Jiji C V Prof	Hari M R Dileep P Surya Sreenivas Jones Chakkalakkal	Development of LiDAR	EC	CET	23-10-17 9am
8	Kiran R Asst prof	Prathul P A Ajo Anto Vishnu Prasad M M Akshay P Muhammed Arshal	Non Invasive blood glucose monitoring	EC	CET	23-10-17 9am
9	Ciza Thomas Prof & HOD	Nameeta George Sankar Sreekumar Soorya Krishna Sidharth Raghunandan	Adaptive traction control	EC	CET	24-10-17 9am
10	Dr.Suresh K Asso Prof	Ponnu Priya P V Sally Marion K Shwetha Narayan Swathi M S	Smart vacuum cleaning robot	EC	CET	24-10-17 9am
11	Shanu N Asst Prof	Saumya L P M Aathira	Variable Damping control for prosthetic limb	EC	CE ATTINGAL	24-10-17 9am
12	Anila P V Asst Prof Dr Aby Thomas	Brijesh K Thulasi Athul Prasad Jerin P Joy	Smart ATM and smart android application	EC	MAR ATHANASIU S	24-10-17 9am

	Asst Prof (Co-Investigator)	Ashin Robert				
13	Dr.Ajiy 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 ATHANASIU S	24-10-17 9am
14	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 ATHANASIU S	24-10-17 9am
15	Sreedevi MG Asst Prof Shiney Thankachan Asst Prof (Co-Investigator)	Aiswarya Murali Anagha A Anakha Vijayan Analya K R	Design of reconfigurable microstrip patch antenna for WLAN application	EC	CE PATHANAPU RAM	24-10-17 9am
16	Navitha K Krishnan Asst Prof Renjini R Asst Prof (Co-Investigator)	Malavika H S Roopa Raj Sreelakshmi Volga Sebastian	Smart vein detection and patient monitoring system	EC	CE PATHANAPU RAM	24-10-17 9am
17	Shemeena M, Asst Prof Ashwathy bhooshan Asst prof (Co-Investigator)	Chinju R Neena K Thampi Rani Jacob Reshmi S	Werearable health monitoring system for infants	EC	CE PERUMON	24-10-17 9am
18	Archa A B, Asst Prof Unnikrishnan A S Asst prof (Co-Investigator)	Arya S Devi Suresh Arsha J Athira Ajayan	A robotic crack inspection and mapping system for bridge deck maintenance	EC	CE PERUMON	24-10-17 9am
19	Dr.Ramesh P Asst prof	Aswin E S Dany james	Smart Band –a wearable EEG device	EC	CE MUNNAR	24-10-17 9am
20	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	24-10-17 9am

21	Mary hexy Asst Prof Balu Raveendran Asst Prof(Co-Investigator)	Razi Abdul Rahman Daniel Clement Shane Terby George Muhammed Fazil Yousaf Hamsa	Automatic foot rest	EC	RAJAGIRI	24-10-17 9am
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3. MECHANICAL

SL NO	Name of Principal Investigator	Name of student Investigators	Title	Branch	College	Date of Presentation
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 Al-Si alloy.	ME	GECTCR	20-10-17 10am
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	20-10-17 10am
3	Dr.Jose Mathew Asso Prof Sajomon Mathew Asst Prof (Co-Investigator)	Akhil Kumar C M Alen Thomas Akshay R Ananthu Sudheesh Jaison B Samson	Numerical and experimental study on jet impingement	ME	CE ADOOR	20-10-17 10am
4	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	20-10-17 10am
5	George Mathew Asst Prof Prof Vinod Yeldho	Ashik Muhammed Shaji Ashik K S	Solar distillation of water using porous double layer	ME	MAR ATHANASIUS	20-10-17 10am

	Baby (Co-Investigator)	Bipin Baby Prasoon J				
6	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	20-10-17 10am
7	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	20-10-17 10am
8	Unnikrishnan M Asso Prof Pradeep A (Co-Investigator)	Hariprasad P M Asif K Akshay Anand Gokul C D Aswin Anand Ajithlal K P	Plastic waste management unit	ME	CET	20-10-17 10am
9	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	20-10-17 1pm
10	Rittin Abraham Kurien, Asst Prof Vineeth V K Asst Prof (Co-Investigator)	Aditya C Vinod Aishwarya Ashok Abin K Daniel Achu Ajith	Design and fabrication of automated center stand for bikes	ME	SAINTGITS	20-10-17 1pm
11	Sreejith R Asst Prof	Mohammed Thaha Ansari Rahul George Kuruvilla Sobin Biju Mathew Suraj Chacko Mathew	Drainage cleaning system with the aid of solar energy	ME	SAINTGITS	20-10-17 1pm
12	Anjali S Nair,	Neeraj T P	fire fighting robotic vehicle	ME	NSS	20-10-17

	Asst Prof Indu T, Asst Prof (Co-Investigator)	Rithin S Rimshid Rahman Mohd Rasul E S				1pm
13	Jithin P Narayanan Asst Prof Vishnu Sankar Asst Prof (Co-Investigator)	Ashwath Nambiar Athul K Krishna K R Nirmal M K Bijil John	Inverted pendulum wheelchair module (IPWM)	ME	RAJAGIRI	20-10-17 1pm

4. ELECTRICAL AND ELECTRONICS

SL NO	Name of Principal Investigator	Name of student Investigators	Title	Branch	College	Date of Presentation
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	23-10-17 9am
2	Hari Kumar R Asst Prof	Somnath Kishore Arjun Satheesh Sreekanth P Gokul Suresh Aarathy Muraleedharan	Optimal Energy Management in Interconnected Nanogrids	EE	CET	23-10-17 9am
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	23-10-17 9am
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	23-10-17 9am
5	Sreedevi G	Abhishek M	Portable life detection device	EE	CET	23-10-17

	Asst Prof	Arun T Azil A V Fayis K P Sarath Ramesh Sreejith S Menon				9am
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	23-10-17 9am
7	Vinu Koshy Abraham Asst Prof	Alwin Tom Gison C Andrews Nirmal V Danial Sherry Varghese	Power Generation from Static Water Bodies using the Principle of Buoyancy.	EE	SAINTGITS	23-10-17 9am
8	Deepu E Koshy Asst Prof Ancy Sara Varghese (Co-Investigator)	Chitra P S Amayaji S Rohitha T N Devanand Mohan	Bluetooth Based Alerting and Safety System for Well and Drainage Workers.	EE	SAINTGITS	23-10-17 9am
9	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	23-10-17 9am
10	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	23-10-17 9am
11	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	23-10-17 1pm
12	Dr.J.Mohanalin	A Anish	pesticide detector	EE	CE PATHANAPU	23-10-17

	Rajaratnam HOD EEE Prasanth P J (Co-Investigator)	Akash S Ullas Arjun A Akhilraj Damodharan Nihal P Navas			RAM	1pm
13	Praveen Kumar C Asst Prof	Sarath Sudhakar Shubham Shah Swedha S Babu Vishnu P	Autonomous quadcopter ambulance carrying external defibrillator for emergency	EE	NSS	23-10-17 1pm
14	Dr.Ajay Babu Asst Prof	Suhda Sandeep Krishnan N R PV Ramachandran R Rahul	Battery SoC based wireless charging of electric vehicles	EE	NSS	23-10-17 1pm
15	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	23-10-17 1pm
16	Sofiya A Asst Prof Edwin G Rodrigues Asstr Prof (Co-Investigator)	Alex P Johnson Midhula T S Pooja S Shifani S Tenyson Titus	Integrated smart trash bin	EE	CE PERUMON	23-10-17 1pm
17	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	23-10-17 1pm
18	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	23-10-17 1pm
19	Annie P Oommen Prof	Aparna Justin Aswathy R Sandra S Kurian S S Rijo Steffin	Automation of prosthetic limb using shared control of barain machine interface(BMI) and vision	EE	MAR ATHANASIUS	23-10-17 1pm

			guided robotics			
20	Dr.Jarin T Asso Prof	Geethanjali P G Joby Jacob Reva K R Swabindas S	SVPWM based speed control of induction motor drives	EE	JYOTHI	23-10-17 1pm
21	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	23-10-17 1pm

5. CIVIL

SL NO	Name of Principal Investigator	Name of student Investigators	Title	Branch	College	Date of Presentation
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	19-10-17 10am
2	Dr.A K Raji Prof Prof Rejani V U Asst Prof (Co-Investigator)	Neeraj Mohan C U Rabeel A rakesh Kumar b Roshin R Thahseena Banu K	Assessment of sedimentation of selected dams in Palakkad and performance analysis of desilted sand for construction	CE	NSS	19-10-17 10am
3	Dr.Praseeda K I Asst Prof Dr.R Radhakrishnan (Co-Investigator)	Najeeb Ahammed C K Rieffel George V Padayatty Safdar Hasmi Sai Kumar K T	Study on co relation between strength of concrete and ultrasonic pulse velocity(UPV) for different mix grades and curing periods	CE	NSS	19-10-17 10am
4	Dr.Dhanya B S Asst Prof Dr.Bindhu B K Asso Prof	Arya V Nair Neeraja S Revathy V.V Saranya P.V	Durability of two different cementitious systems in organic and inorganic acidic environment	CE	NSS	19-10-17 10am

	RIT Kottayam					
5	Dr.Priya K L Asst Prof	Jismitha Thomas Kichu V Krishna Prem Kumar Lekshmi Muraleedharan Sreeraj S	Studies on the performance of alternating current electrocoagulation process in the removal of heavy metals	CE	TKMCE	19-10-17 10am
6	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	19-10-17 10am
7	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	19-10-17 10am
8	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 ATHANASIUS	19-10-17 10am
9	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	19-10-17 1pm
10	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	19-10-17 1pm
11	Dr Jayamohan J Prof Sajith P Asso Prof	Anusha Nair B Akhila Vijayan Shilpa Vijayan Chandni S	Influence of cross sectional shape of footing on Load settlement behaviour	CE	LBS POOJAPPUR A	19-10-17 1pm

	(Co-Investigator)					
12	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	19-10-17 1pm

6. CHEMICAL

SL NO	Name of Principal Investigator	Name of student Investigators	Title	Branch	College	Date of Presentation
1	Mary Mathew Prof Fazil A (Co-Investigator)	Joel Koshy Edison Juwin Joby N Akshay Shuaib Rahman	Oil Spill Remediation Using Fe-CNT Nano Organic Framework/PP membrane	CHEM	TKMCE	17-10-17 9.30am
2	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	17-10-17 9.30am
3	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	17-10-17 9.30am
4	Dr.Ushakumary E R Asso Prof	Anish K Anjitha V Anjusha O Ansab N P	Production of Bioethanol from Agricultural Waste.	CHEM	GEC, KOZHIKODE	17-10-17 9.30am