

RESEARCH AND DEVELOPMENT CELL MARIAN ENGINEERING COLLEGE

ACTIVITIES OF 2019-2020

- Members of research cell: The RESEARCH AND DEVELOPMENT CELL was constituted on 19-8-2019 with Dr Vijatalekshmy S and Dr Sabu K as Conveners. The members were Dr Berlin Seva Rex, Dr Manoj M., Dr Sheeja Agustin, Manu Mohan, Dr Godwin Glivin, Dr. Sheeja Agustin, Dr Narayanan S and Dr Himasree P. This continued until 18.12.2020.

RESEARCH AND DEVELOPMENT CELL MEETINGS/activities

NO	DATE AND TIME	VENUE	MAIN AGENDA
1	23-10-2019	PRINCIPAL'S CONFERENCE ROOM	<ul style="list-style-type: none"> Discussion of activities for the semester Student projects to be submitted to KSCSTE Norms for selecting the projects
2	5-11-2019	PRINCIPAL'S CONFERENCE ROOM	<ul style="list-style-type: none"> Shortlisting of received proposals Details to be uploaded in KSCSTE website
3	7-11-2019	PRINCIPAL'S CONFERENCE ROOM	Final Selection of projects proposals to be KSCSTE
4	24-1-2020	PRINCIPAL'S CONFERENCE ROOM	<ul style="list-style-type: none"> Eleven projects proposals were approved by KSCSTE for funding Principal congratulated the successful Agreement in stamp paper to be sent before 30-1-2020

5		-	<ul style="list-style-type: none"> • Handing over charge to new office bearers • RIIC formed by merging RDC and IIC
6	6-7-2020 11 AM – 12.30 PM	Online Google Meet	Research Funding Opportunities, General Discussion On the way Forward For RIIC

- The number of Research Proposals submitted by each department in 2019-2020, the number of projects that received financial support as well as their status is given below

STUDENT PROJECTS SUBMITTED TO KSCSTE

NO	DEPARTMENT	PROPOSALS RECEIVED	NUMBER OF PROPOSALS SUBMITTED	NUMBER OF PROJECTS AWARDED	FINAL REPORT SUBMITTED
1	EEE	8	2	1	Yes
2	ECE	9	3	3	Yes
3	CSE	12	3	1	Yes
4	ME	13	4	3	Yes
5	CE	39	3	3	yes

APPROVED KSCSTE Student Projects 2020

no	Name		Department	Start date
1	Mr. Maneesh T	Angle Guide for Portable Drill	ME	1-2-2020
2	Mr. Maneesh T	Electric Power Hazard Solution	ME	1-2-2020
3	Mr. Manu Mohan	Convective Heat Transfer Study of Metal Oxide Nanofluid enhanced with MWCNT in a Radiator	ME	1-2-2020
4	Mr. Evankumar G	Blind Spot Detection in Motorcycles	EC	1-2-2020
5	Mrs. Sreena V G	Automatic Uplifting of Pedestrian Crossing Platform on Roads	EC	1-2-2020
6	Ms. Hema S Mahesh	Special Companion for speech impaired	EC	1-2-2020
7	Mrs. Ann Mary Mathew	Treatment and Reuse of Periyar Dredged Soil Using Nano Chemicals	CE	1-2-2020
8	Mrs. Asha Davood Z	Autofarm Water Regulator	CE	1-2-2020

9	Ms. Ambikadevi V M	Natural Coagulant for Water Treatment	CE	1-2-2020
10	Ms. Mercilin Francis	Eco-friendly Power Generation from Plastics	CS	1-2-2020
11	Prof. Geena Suresh	Independent Pulling System for Wheelchair	EE	1-2-2020

STUDENT PROJECTS SUBMITTED TO APJ KTU CERD

NO	DEPARTMENT	NUMBER OF PROJECTS SUBMITTED	NUMBER OF PROJECTS AWARDED	FINAL REPORT SUBMITTED
1	CIVIL	2	2	2

LIST OF APPROVED CERD PROJECTS

91	Jolsy M. B. Professor Dr.Narayanan S (Co-Investigator)	Karthik G Lekshmi V R Nabeel N S Nice M Basheer R U Dhanusree	Marian Engineering College,Kazhakootam	Civil	Desalination of seawater	27500	3000	12,000	3000	9500	
92	Asha Davood Z. Assistant Professor Dr.Narayanan S Professor & HOD (Co-Investigator)	Ashiq Rashid Hepsy Hamlet Praveen Peter Gomez Shilpa Cecil	Marian Engineering College, Kazhakuttom	Civil	Autofarm Water Regulator	34,000	2000	30,000	1000	1000	