

RESEARCH AND INDUSTRY INSTITUTE INTERACTION CELL MARIAN ENGINEERING COLLEGE

ACTIVITIES OF 2020-21

- RESEARCH AND INDUSTRY INSTITUTE INTERACTION CELL (RIIC) was constituted on 18.12.2020 by merging the RESEARCH AND DEVELOPMENT CELL (RDC) and INDUSTRY INSTITUTE INTERACTION CELL (IIC) with Dr Narayanan S as Convenor and other members were Dr Berlin Seva Rex, Dr Manoj M., Dr Sheeja Agustin, Dr Vijayalekshmy, Dr Jayaprakash P., Dr Archana Satheesh and Dr Vishnu B.R.
- The RIIC cell members were reaffirmed on 15.3.2021 with Dr Narayanan S as Convenor and other members were Dr Berlin Seva Rex, Dr Manoj M., Dr Sheeja Agustin, Dr Vijayalekshmy, Dr Jayaprakash P., Dr Archana Satheesh and Dr Vishnu B.R.

RESEARCH AND INDUSTRY INSTITUTE INTERACTION CELL MEETINGS

NO	DATE AND TIME	VENUE	MAIN AGENDA
1	5-1-2021 7 PM – 8.50 PM	Online Google Meet	Presentation On Planning And Preparation Of Proposals
2	22-1-21 3 PM	Civil Department Seminar Room	Discussion On Project Funding For Students – Due Dates For Submission
3	28-1-2021 10.30 AM	Iedc Hall	Planning Presentation Of Proposals For Anert And Cerd
4	9-2-21 9.30 AM – 3.30 PM	Iedc Hall	Presentation Of Cerd Proposals
5	11-2-21 11.30 AM – 1.15 PM	Conference Room	Anert Proposals Presentation
6	16-4-2021 3 proposals shortlisted for Cerd - As per schedule	Online – google meet	Mock Presentations for CERD proposals shortlisted for presentation

7	19-4-2021 3 proposals shortlisted for Cerd - As per schedule	Online – google meet	Mock Presentations for CERD proposals shortlisted for presentation
8	6-5-2021 One project from CSE (Prof, NIsha)	Online – google meet	Mock presentation for Research Money Proposals shortlisted for presentation
9	5-7-2021 Meeting of KTU IAC Cell	Online meeting – presented by Dr Shajil and Mr Arun	Sharing of information on the KTU IAC (Industry Interaction Cell initiative for industry oriented research
10	8-7-2021	Online Google Meet	Meeting RIIC for sharing of information on the KTU IAC (Industry Interaction Cell to share KTU new initiative for industry oriented research

• STUDENT PROJECTS SUBMITTED TO CERD

APJAKTU-CERD- Scheme of Financial Assistance to Student Project - Centre for Engineering Research and Development (CERD) of APJ Abdul Kalam Technological University provides financial assistance to innovative projects by Under Graduate students of Government, Aided and Government controlled Self Financing Colleges. Under Graduate students of Private Self Financing Colleges with atleast one NBA accredited Programme can also apply. The objective of this scheme is to provide financial assistance to Under Graduate students (a group of students of 7 th semester B.Tech and 9 th semester B.Arch) of affiliated Colleges under APJ Abdul Kalam Technological University. Based on the merits of the proposal, each project will be eligible for a maximum assistance of Rs 50,000/-. The Heads of Institutions shall make a primary vetting of the Student Project proposals received in their Institutions as to their feasibility and relevance before forwarding them to the University. After due process of vetting and corrections, 28 student research projects were submitted to APJ KTU. The last date for submission was 20.2.2021.

NO	DEPARTMENT	NUMBER OF PROJECT PROPOSALS SUBMITTED	NUMBER OF SUCCESSFUL PROPOSALS
1	CIVIL	4	1
2	CSE	5	1
3	ECE	5	2
4	EEE	6	1
5	ME	8	0

THE SUCCESSFUL PROJECTS ARE LISTED BELOW:

47	Dhanya Mathew Assistant Professor	Diana John Esther Gayathri G R Kripa Bi noy Neha S S	Marian Engineering College Trivandrum	ECE	Smart assistive device for speech impaired using silent sound technology		5000	1000	2500	8500
48	S. Nurulhidaya Assistant Professor	Sneha Christopher Ashik Muhammed Arya A V Elza Elezabeth Joseph	Marian Engineering College Trivandrum	ECE	Remote health monitoring for covid -19		6000		2500	8500
49	Deepu R S Assistant Professor	Akhil V S Lakshmi B S Cindrella Gilson Mohammed Akshay S	Marian Engineering College Trivandrum	EEE	Prepaid Energy meter with e - wallet	10,000	5000	1000	4000	20,000
50	Dr Archana J Satheesh Assistant Professor	Farha S Fathima Mohammed Sajin Salim Nikhil P Joseph Nishara S J	Marian Engineering College Trivandrum	Civil	Utilization of Pulp Black Liquor as admixture in concrete	8000	15,000	3000	5000	31,000
51	Nishley Elizabeth Joseph Assistant Professor	Vaishnav G Sandra Sivaprasad Megha M S	Marian Engineering College Trivandrum	CSE	Student Pay (S-Pay) - Secure payment system for students	6000			2000	8000

● STUDENT PROJECTS SUBMITTED TO KSCSTE

Science Education Division (SED) Kerala State Council for Science, Technology and Environment Sasthra Bhavan, Pattom, Thiruvananthapuram provides assistance for selected student projects. The scheme provides financial assistance to students enrolled in professional courses (graduate, post-graduate) and science post-graduate courses in colleges and university departments to carry out science and technology projects. • Any student enrolled in professional courses (graduate, post-graduate) and science post-graduate courses in colleges and university departments in Kerala can apply. The number of students per project shall not exceed five. • Applications should be submitted online through a web portal (in the KSCSTE website) along with a consent letter (in the prescribed format) from the Principal Investigator and Head of the Institution. The maximum financial assistance released to a selected project will be Rs.10,000/-.After due process of vetting and corrections, 11 student research projects were Submitted to KERALA STATE COUNCIL FOR SCIENCE TECHNOLOGY AND ENVIRONMENT..

NO	DEPARTMENT	NUMBER OF PROJECTS PROPOSALS SUBMITTED	NUMBER OF SUCCESSFUL PROPOSALS
1	CSE	3	Not announced
2	ECE	3	Not announced
3	EEE	2	Not announced
4	ME	3	Not announced

● FACULTY PROJECTS SUBMITTED TO ANERT, TRIVANDRUM.

ANERT (AGENCY FOR NEW AND RENEWABLE ENERGY RESEARCH AND TECHNOLOGY) was providing financial support for carrying out research in various fields of Renewable Energy. The due date for submission was 15.2.2021. Two faculty research projects were submitted to ANERT.

NO	DEPARTMENT	NUMBER OF PROJECT PROPOSALS SUBMITTED	NUMBER OF SUCCESSFUL PROPOSALS
1	ME	2	Not announced

- DETAILS OF PROJECTS SUBMITTED TO LBS CED** (Centre of Excellence for Disability Studies) (A unit under LBS Centre for Science and Technology) LBSITW Campus, Poojappura, Thiruvananthapuram)

The objective of this scheme is to provide financial assistance to the students of Engineering Colleges/Polytechnic colleges in Kerala for carrying out projects related to the area of Technological aspects in disability studies for the development of implements for aiding physically challenged. Each project will be eligible for a maximum assistance of Rs.50,000/-. Maximum amount of rupees Two Lakhs and Fifty Thousand will be given to 5 batches of B-Tech/ Polytechnic student projects.

Two project proposals were submitted to Centre of Excellence for Disability Studies at LBS INSTITUTE OF TECHNOLOGY FOR WOMEN and one was successful.

NO	DEPARTMENT	NUMBER OF PROJECTS SUBMITTED	AWARDED
1	ME	2	1

- INDUSTRY INSTITUTE INTERACTION CELL**

- The industry institute interaction cell (IIC) was merged with Research and Development Cell and the Research and Industry Institute Interaction Cell (RIIC)