

Achievements

2020-2021

Department Achievements

1. The AICTE has awarded a project funding of 5.68 lakhs to the Department of Mechanical Engineering under the MODROB scheme for the project Fuel Optimization with Variable Injection CRDI Retrofit.

The Principal Investigator is Dr. Rajesh Kocheril (HOD (ME)).

2. The Department of Mechanical Engineering has been granted a project funding of Rs 37000/- from CERD for the student's project guided by Asst. Professor Ritwik. A.

The details are as follows:-

KTU Funded CERD Student project.

Name of the Project: Design and fabrication of portable fumigating machine

Sanctioned Amount Rs.37,000/-

Principal investigator: Ritwik. A

Students : Shamily, Joel, Zephaniah

File Ref.No.KTU/RESEARCH 2/4641/2020

APJ Abdul Kalam Technological University Thiruvananthapuram

Abstract

APJAKTU - CERD - Engineering Colleges - Financial Assistance to Student Project - Administrative Sanction - Accorded -Orders issued.

CERD

U.O.No. 933/2021/KTU

Thiruvananthapuram, Dated: 15.06.2021

ANNEXURE-I - STUDENT PROJECT SELECTED LIST 2020-21

Sl No	Name of Principal Investigator	Name of Student Investigators	College	Branch	Title of the Project	Consumables	Equipment	Travel	Contingency	Amount sanctioned
62	Ritwik. A Assistant Professor	Joel Thomas, Shamaly TP, Suchi.S, Zephaniah C.Joseph	Tech-Institute of Science & Technology Emakulam	ME	Design and fabrication of portable fumigating vehicle	10,000	17,000	5000	5000	37,000
69	Santhosh Assistant Professor	Kuland P.R, Raveel Joseph Ruhith, Ajay Sreej	Tech Institute of Science & Technology Emakulam	ME	Elaboration of fire safety distance using heat flux sensors and predicting thermal hazards from process industry fires.	7000	11,000	3500	3500	25,000

3. Hand Sanitizing is one of the major protocols to be followed as part of the social discipline. But in public, while using common sanitizer, there is a chance that an infected person might have used it. In this context, we developed a Non-Contact Automatic Sanitizer Dispensing Unit. This will automatically dispense the sanitizer in a fixed quantity when the person places his/her hands in the space provided.



Students Achievements

Our student Ridhin Paul of S5 ME got First Prize in the Mathematics paper presentation held at Rajagiri School of Engineering ,Kakkanadu.





Team TRIDENT-Go – Kart Challenge

Team TRIDENT from the Department of Mechanical Engineering of Toc H Institute of Science & Technology grabbed 3rd position in the CV (Combustion Vehicle) category in their maiden participation in the Go-Kart Concept Challenge.

The challenge was conducted from 25th -30th April 2021 by ISNEE Motorsports under Go-kart Design Challenge (GKDC) formerly known as National Go-Kart Championship.

This competition offers teams maximum design flexibility and the freedom to express their creativity and imaginations with very few restrictions on the overall kart design.



Aditya Krishnan R Pai
Gokul SG
Diljith I D
Abhishek Gokul B

3rd years-

Ashik Ravi
Pulkit Deepak Khatri
Jithin Varghese Mathew
Vishnu Venugopal

2nd years-

Faris A

Rank	Team Name	Score
GKDC CV		
1	STARKERS MOTORSPORTS	387.84
2	MADHU RACING	368.04
3	D.D KARTING INDIA EV	331.8
4	VEERATE	318.41
5	LUFTWAFFE RACING	294.09
6	EMERALD AXLES	288.92
7	ACHIE RACING	285.97
8	TEAM ENCHES AND DEMONS	240.71
9	TORQUE RACING	222.7
10	APRIL RACING	188.44