

VCE :: Department of Mechanical Engineering

Date: 04.12.2023

The committee consisting of the following members have reviewed the project reports of the final year students belonging to 2022-23 batch.


1. Dr. N.V.Srinivasulu, Professor, MED, CBIT
2. Dr. T. Ramamohan Rao, Professor & HOD
3. Dr. P.V. Gopal Krishna, Associate Professor

The committee has come to a conclusion that the following project reports are assessed to be the best projects (in absolute terms) in order of merit.


Branch: Mechanical Engineering

Best Projects – I and II

S.No	Title of the Project	Name of the Student	Roll No.	Project Guide
I	Design and analysis of 3D printable portable military tank ground vehicle for anti drone payload	P. Pramod	1602-19-736-076	Dr. K. Kishore
		G. Sooraj	1602-19-736-100	
		Shaik Afridi	1602-19-736-309	
II	Investigating water leakage in KY tailgate and developing countermeasure	K. Shiva Subramanyam	1602-19-736-046	Dr. P. Venkateswara Rao
		Aditya Abishai. Pedapati	1602-19-736-001	


Dr. N.V.Srinivasulu,
Professor, MED, CBIT
(External member)


Dr. T. Ramamohan Rao
Professor & HOD


Dr. P. V. Gopal Krishna
Associate Professor, MED

Best project for academic year 2021-2022

Sl. NO	Section	Title of the Project	Name of the Student	Roll No.	Project Guide	Rank
1.	Mech-A	Performance evaluation of two stage cascade refrigeration cycle using R410A and R570A in HT cycle with R744 in LT cycle	Shaik. Uzeif Sayeed. Khan Saifullah. Khalid	1602-18-736-304 1602-18-736-040 1602-18-736-038	Dr. S. Venkataiah	I
2.		Performance study of twisted vaned diffuser with variable chord length in a centrifugal compressor stage	Thoudoju. Akhila Mettu. Chandu Satar. Laxmi Prasanna	1602-18-736-005 1602-18-736-010 1602-18-736-023	Dr. P. Venkateswara Rao	II
1.	Mech-B	Design Aspects of Bulk Material Storage SILOS	K. Harsha Vardhan Rao D. Karthik Krishna Chaitanya .T	1602-18-736-073 1602-18-736-077 1602-18-736-078	Mr. T. Krishna Chaitanya	I
2.		Modelling and Analysis of five degree freedom robotic arm	Vootla Pravali R. Ruhi Prasad Vejenepalli Sai Ashwitha	1602-18-736-082 1602-18-736-093 1602-18-736-310	Mr. K. Veladri	II

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)

Department of Mechanical Engineering

Best Projects

S. No.	Title of the Project	Name of the students	Roll No.	Project Guide
2020-21				
I	Optimization of process parameters for friction stir welding of AA6061T6 and comparing weld strength with TIG welding	Y. V CHAITANYA KUMAR	1602-17-736-009	T. Krishna Chaitanya
		PEDDI. NAVEEN REDDY	1602-17-736-023	
		K. SUMANTH SASTRI	1602-17-736-053	
II	Design and optimization of single-phase micro-channel cooling system in electronic devices	NAGA SAI. PANUGANTI	1602-17-736-021	Dr. P. Venkateswara Rao
		B. SRI CHARAN	1602-17-736-047	
2019-20				
I	Static structural analysis on tibia bone using different prosthetic plate materials and screws	KONDURI S S K. ANIRUDH	1602-16-736-005	Dr. T. Ramamohan Rao
		CHALAMALA. SHREYA	1602-16-736-044	
		VEDULA. SUNDEEP RAMA SOMAYAJULU	1602-16-736-051	
II	Optimization of process parameters for electrical discharge machine through soft computing techniques.	ANKAM AKHIL	1602-16-736-063	Dr. P.V. Gopal Krishna
		MD MISBAHUDDIN	1602-16-736-083	
		NAXMI KRISHNA	1602-16-736-075	
2018-19				
I	Design, Analysis and fabrication of Suspension system for all terrain vehicle.	M.SAI RITHVICK	1602-15-736-105	S. Kirthana
		B.MITHIL	1602-15-736-084	
		G VARUN KUMAR	1602-15-736-317	
II	Design, analysis and fabrication of concentrated solar powered multi effect desalination.	TALARI RAJINI MANASA	1602-15-736-029	M. SUDHAKAR
		B. SAI TEJA	1602-15-736-036	
		SAI JAYANT BHOGARAM	1602-15-736-038	
2017-18				
I	Performance study of twisted vaned diffuser in compressor stage.	B AMOGH	1602-14-736-005	Dr. P. VENKATESWARA RAO
		J KARTHIK REDDY	1602-14-736-017	
		CHIMMULA PRADEEP REDDY	1602-14-736-029	
II	FEA and additive manufacturing (fdm) of various infill patterns of a pateint specific cranial implant.	KONDURU SHIVA PRANAV	1602-14-736-045	Dr. T RAMAMOHAN RAO
		PALAGIRI SHIKHA SOMAN	1602-14-736-044	
		BALTHA SHREYA	1602-14-736-046	
2016-17				
I	Thermodynamic analysis of cascade refrigeration system using natural refrigerants.	MUSTYALA SAI NIKHIL	1602-13-736-102	Dr. S. VENKATAIAH
		RANGAVAJJULA VENKATADATTASAI	1602-13-736-114	
		JELLA ANJANEYULU	1602-10-736-321	
II	Computational fluid flow analysis of biogas digester.	RASHMIDHAR TEJA K	1602-13-736-037	Dr. A. SRINIVAS
		SAI SUSHANTH	1602-13-736-044	
		VAISHNAVI DANDANAK	1602-13-736-056	

S. No.	Title of the Project	Name of the students	Roll No.	Project Guide
2015-16				
I	Design and analysis of stair climbing wheel chair machine	SAI KEERTHI PUDARI SANTOSHI MOUNICA MEDURI NANGUNURU PADMA	1602-12-736-039 1602-12-736-042 1602-12-736-312	J. Anjaneyulu
II	Design and fabrication of bus prototype with advanced safety systems.	BOGGARAPU MANIKANTA SANKATI SAMPATH KUMAR	1602-12-736-076 1602-12-736-104	S. Sreekrishna
2014-15				
I	Fabrication of 3d printer (prusa mendel i3) and design of machine structure.	SUKESH KUMAR PABBA MAHENDAR KURMA PREMSHILPI VINJAMOORI	1602-11-736-054 1602-11-736-301 1602-11-736-309	Dr. K. Kishore
II	Design modification of cam shaft and gear ration in a four stroke engine to convert into a six stroke.	MOHD ANWARUDDIN SIDDIQUI MOHD BASHEER UDDIN RAJESH	1602-11-736-026 1602-11-736-027 1602-11-736-039	S. Venkataiah