

### LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(Autonomous)

Approved by AICTE, New Delhi and Permanently Affiliated to JNTUK, Kakinada
Accredited by NAAC with "A" Grade and NBA (CSE, IT, ECE, EEE & ME) under Tier - I



#### DEPARTMENT OF MECHANICAL ENGINEERING LAKSHYA 2K24 REPORT



#### SRUJANA-PAPER PRESENTATION

#### **CONTENT**



S.No	Торіс	Author/Authors' name	Name of the college
1.	"EMPOWERING SUSTAINABILITY: HARNESSING PIEZOELECTRIC ENERGY"	1.KANUMURI.GIRIDHAR GOPAL 2.P.P.N.S KARTHIK	R.K College ofengineering
2.	FUEL INJECTOR TECHNOLOGY: ENHANCINGENGINE EFFICIENCY AND PERFORMANCE	1.B. REVANTH KUMAR	LBRCE
3.	INVESTIGATION ON MECHANICAL AND WEAR CHARACTERISTICS OF FUSED DEPOSITION MODELING MATERIALS	1. TANURI VENKATA DEEPAK 2. VOONA PRASANNA SAI	LBRCE
4.	EFFECT OF ZRO2 AND NIO NANOPARTICLES ON THE PERFORMANCE, EMISSION AND COMBUSTION CHARACTERISTICS OF DIESEL ENGINE FUELED WITH MILK SCUM OIL	1. MOHAN CHALAMALA 2. CHATRAGADDA ROHITH BALU	LBRCE
5.	RIVER CLEANER BOAT: AN INNOVATIVE SOLUTION FOR WATERWAY POLLUTION MITIGATION	1.PONNA LIKHITH KUMAR 2.SIMHADRI JAIPAL	LBRCE

6.	INVESTIGATION OF MECHANICAL PARAMETERS USING DIFFERENT TYPES OF SANDWICH PANELS WITH DIFFERENT ORIENTATIONSAND ANALYSIS USING HYPERMESH AND LSDYNA.	1.PAJJURU KARTHIK BABU 2.ANGULURI NAVEEN KUMAR	LBRCE
7.	EXPERIMENTAL INVESTIGATION ON MECHANICAL PROPERTIES OFBORON CARBIDE PARTICLE REINFORCED ALUMINIUM 7075 METAL MATRIX COMPOSITES  1. MADDELA SRINIVASA RAO 2. KALASANI NAVEEN KUMAR		LBRCE
8.	DESIGN AND FABRICATION OF REGENERATIVE BRAKING USING FRICTIONLESS BRAKINGSYSTEM  1. MADEM VENKATESH 2. METLAPALLI JAGADEESH VARAPRASAD		LBRCE
9.	FABRICATION OF SUCTIONBASED GLASS AND FLOOR CLEANING ROBOT  1. NARA SAI TEJA REDDY 2. GURVINDAPALLI SUNIL		LBRCE
10.	VIBRATION ANALYSIS OF 3D PRINTED LATTICE CORE BEAM  1. MUGADA VARA PRASAI 2. MADDIREDDY RAJASEKHARREDDY		LBRCE
11.	IC ENGINES	1. BHUKYA SIVA NAYAK 2. GANNAVARAPUMURALI KRISHNA	LBRCE
12.	DESIGN AND FABRICATION OF A SMART STAIR CLIMBING WHEELCHAIR	1. BUDDARAPU BHARGAV 2. D. KRISHNA CHAITANYA	LBRCE
13.	EXPLICIT DYNAMIC CRASH ANALYSIS OF A CAR MODEL BY DIFFERENT MATERIALS USING ANSYS  1.DOKKU SIRI VENKATA NAGAGOPI 2.SEELAM JAGADHISH REDDY		LBRCE
14.	CHARACTERIZATION OF AL 7075 WITH BLAST FURNACE SLAG AND ALUMINIUM OXIDE  1.KETHAM GOPI KRISHNA 2.T. MOHAN RANGA SRINIVAS		LBRCE
15.	ENHANCE THE HEAT HOLDING CAPACITY OF PHASE CHANGE MATERIAL OF ZINC NITRATE HEXAHYDRATE BY ADDING FLYASH.	1.LANKA SIVA SHANKAR VARAPRASAD 2.DODDA VENKATESH	LBRCE
16.	DESIGN AND FABRICATION OF MECHANICAL POST PROCESSING TOOL FOR ADDITIVE MANUFACTURING	1. YARAGANI CHARAN DEEP 2. PULLURI JAGADEESH	LBRCE
17.	DESIGN AND FABRICATION OF AGRICULTURE SYSTEM	1. NANDIKANUMAVIJAYKALYAN 2. PADISALA PRABHAS	LBRCE
18.	COLD FUSION: "HARNESSING THE ENERGY OF CRYOGENIC PROPULSION"	ENERGY OF CRYOGENIC 2.O.L.K.M.K PAVAN KUMAR LBR	
19.	DESIGN AND FABRICATION OF HYBRID VERTICAL AXIS WIND TURBINE	1. BHUKYA SIVA NAYAK 2. GANNAVARAPU MURALI KRISHNA	LBRCE
20	PADDY DRIER AND A NEW HARVESTING MANCHINE	1.KOMARAGIRI RAMANJANEYULU 3.SHAIK GALISHEED MUNNA	LBRCE

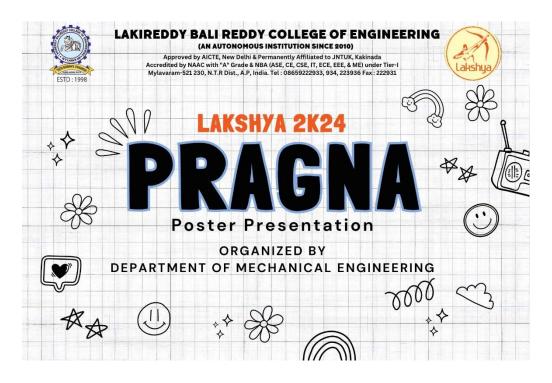






#### PRAGNA-POSTER PRESENTATION

**TOPIC - ABLATIVE MATERIALS** 









## **MEDHA-QUIZ**













#### **NIPUNA-PROJECT EXPO**







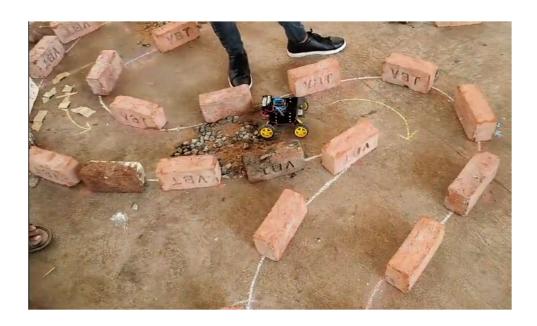






## **YANTHRORA-SPECIAL EVENT**





#### **WINNERS**



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## Department of Mechanical Engineering

## LAKSHYA-2K24

17th National Level Technical & Cultural Fest List of Prize winners (1st & 2nd)

Name of the Event		Name of the Student	College Name	Poster Title
SRUJANA - Paper Presentations	1st Prize	B Revanth Kumar A Harika	LBRCE LBRCE	
	2 <sup>nd</sup> Prize	K K S Durga Prasad- J Sasidhar	RVR & JC LBRCE	
PRAGNA - Poster Presentations	1st Prize	U Tejaswini- T Mahesh Babu	LBRCE LBRCE	
	2 <sup>nd</sup> Prize	M Vamsi M Chandu	RVR & JC RVR & JC	
NIPUNA – Project Expo	1st Prize	S Durga Rao- A Yaswanth Reddy	LBRCE LBRCE	
	2 <sup>nd</sup> Prize	K Upendra	LBRCE	
MEDHA - Quiz	I <sup>st</sup> Prize	R Rama Krishna V Ajith Babu	LBRCE LBRCE	
	2 <sup>nd</sup> Prize	B Ganesh K S S Manikanta	LBRCE LBRCE	

Missslar) Signature of HoD