



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 2K25 REPORT

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(AN AUTONOMOUS INSTITUTION SINCE 2010)
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Mylavaram-521 230, N.T.R Dist., A.P, India. Tel: 08659-222933, 934, 223936, Fax : 222931.

LAKSHYA - 2K25
18th National Level Technical and Cultural fest
Battle of wits
25th JANUARY-2025

PRIZES 5 LAKH+

REGISTRATION FEE ₹ 200

STUDENT COORDINATORS

Mid Abdul Sharon	ASE	7396034756
K.V.S.S. Midhun	AI&DS	9010408999
P.Dharma Teja	CIVIL	8978568405
G. Srinivasa Reddy	CSE	8712166199
G. Gokul Madhav	CSE (AI&I)	9701692573
E. Mani Kumar	ECE	8309683660
Y.Naga Praveen	EEE	7093323085
T. Thoshan Durga Sai	MECH	9505228879
Mid.Tajuddin Rahaman	IT	9121515569
K. Sai Prakash	MBA	6309761644

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Dr. Divveela Srinivasa Rao	AI&DS	9492704500
Mr. Battina Narasimha Rao	CIVIL	9502638024
Mr. N. Srikanth	CSE	9490752169
Mr. L. Narendra	CSE (AI&I)	9686907877
Mr. T. Anil Raju	ECE	9989900350
Mr. Imran Abdul	EEE	9014246684
Dr. A. Nagawara Rao	MECH	8985621662
Mr. M. Vijay Kumar	IT	9291704508
Dr. K. Deepika	MBA	7793345999

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SRUJANA-PAPER PRESENTATION

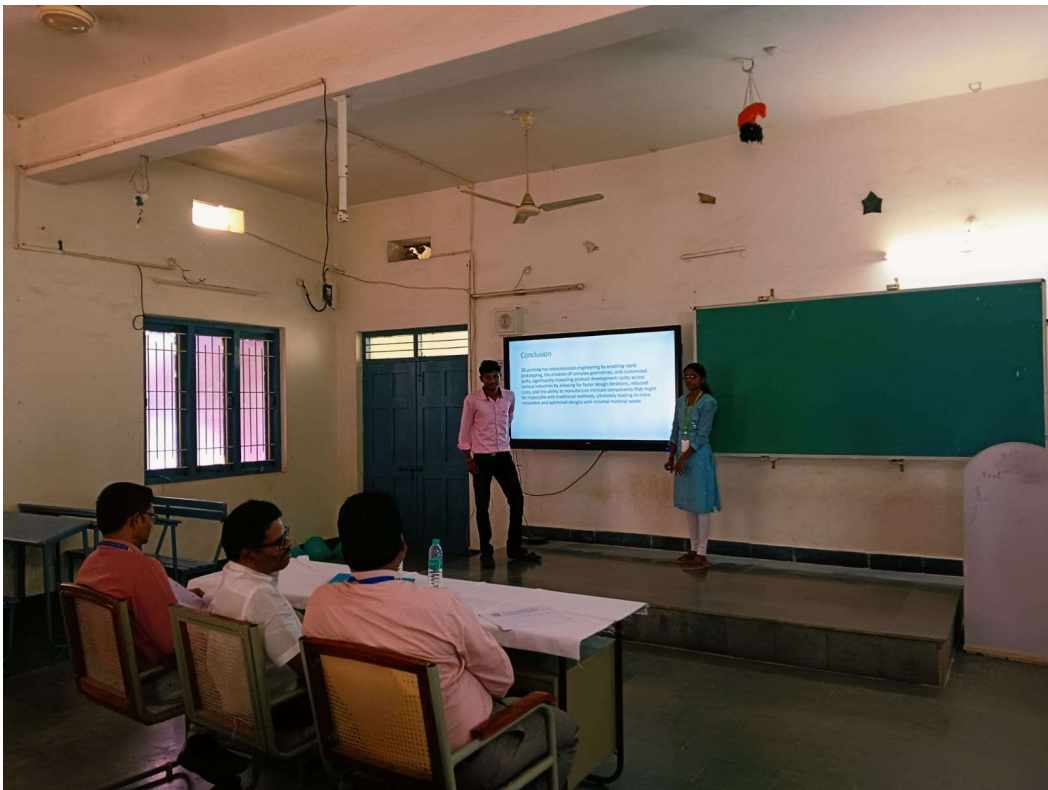
CONTENT



S.No	Topic	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 of engineering
2.	FUEL INJECTOR TECHNOLOGY: ENHANCING ENGINE 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 ZRO ₂ 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 ORIENTATIONS AND ANALYSIS USING HYPERMESH AND LSDYNA.	1. PAJJURU KARTHIK BABU 2. ANGULURI NAVEEN KUMAR	LBRCE
7.	EXPERIMENTAL INVESTIGATION ON MECHANICAL PROPERTIES OF BORON 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 BRAKING SYSTEM	1. MADEM VENKATESH 2. METLAPALLI JAGADEESH VARAPRASAD	LBRCE
9.	FABRICATION OF SUCTION BASED 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 PRASAD 2. MADDIREDDY RAJASEKHAR REDDY	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"	1. K. V. S YESHWANTH KUMAR 2. O. L. K. M. K PAVAN KUMAR REDDY	LBRCE
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 MACHINE	1. KOMARAGIRI RAMANJANEYULU 3. SHAIK GALISHEED MUNNA	LBRCE





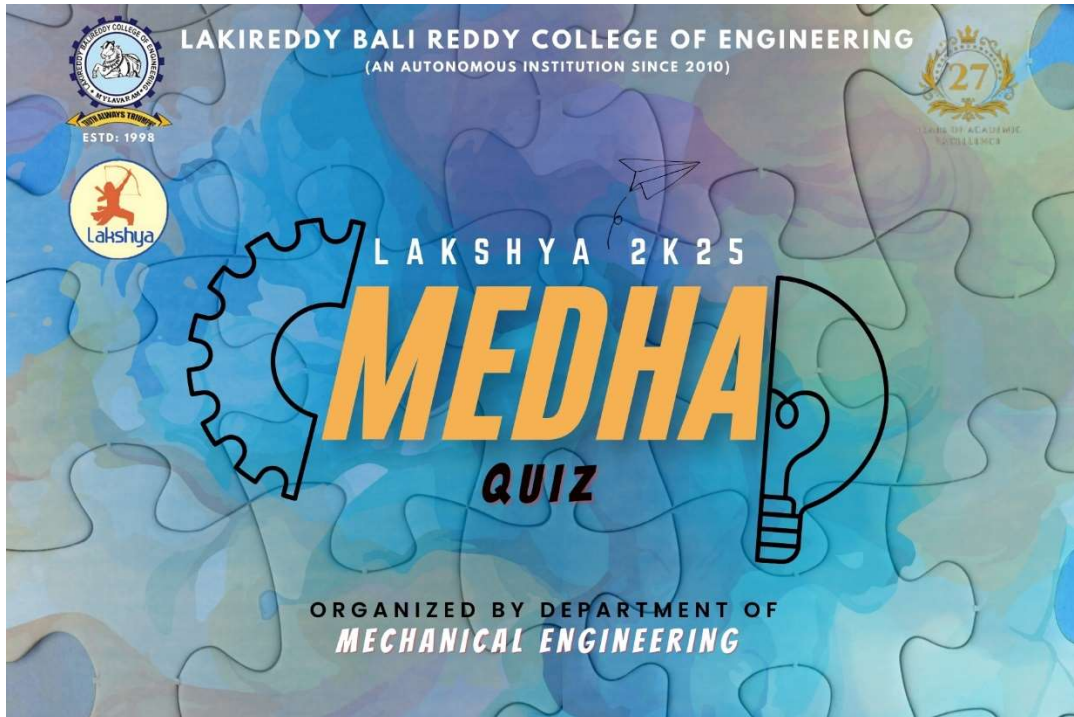
PRAGNA-POSTER PRESENTATION

TOPIC – ABLATIVE MATERIALS

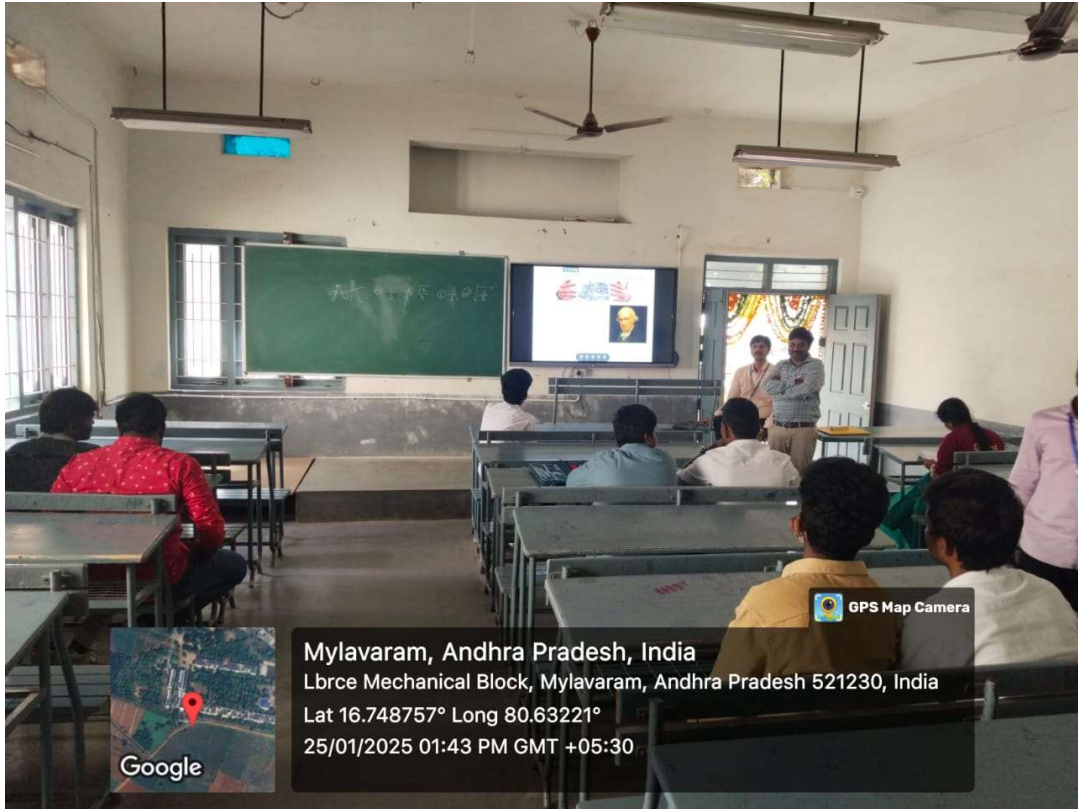




MEDHA-QUIZ







GPS Map Camera
Mylavaram, Andhra Pradesh, India
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OJAS (YANTHORA)-SPECIALN EVENT



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(AN AUTONOMOUS INSTITUTION SINCE 2010)

ESTD: 1998

27
YEARS OF ACADEMIC
EXCELLENCE

L A K S H Y A 2 K 2 5

OJAS

YANTHORA

SPECIAL EVENT ORGANIZED DEPARTMENT OF
MECHANICAL ENGINEERING





WINNERS

SRUJANA WINNERS

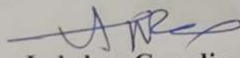


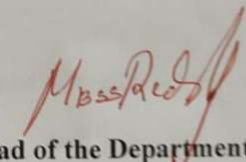
Date: 25-01-2025

LAKSHYA 2K25 - Event Wise Winners List

SRUJANA (Paper Presentation)


S.No	Name of the Student (in Capital letters)	College Name	Prize
1	A S N V VARDHAN	LBRCE	I prize
	K V S YASWANTH KUMAR	LBRCE	
2	P. VIJAY KUMAR	ANDHRA LAYOLA	II prize
	S. NAVEEN	ANDHRA LAYOLA	


Lakshya Coordinator


Head of the Department

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PRAGNA WINNERS

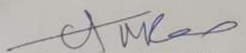


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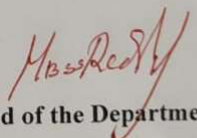
LAKSHYA 2K25 - Event Wise Winners List

PRAGNA (Poster Presentations)

S.No	Name of the Student (in Capital letters)	College Name	Prize
1	M. CHANDRA SHEKAR	KHIT	I prize
2	M. VAMSI KRISHNA	RVR & JC	II prize



Lakshya Coordinator



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MEDHA WINNERS

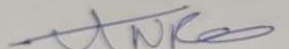


Date: 25-01-2025

LAKSHYA 2K25 - Event wise Winners List

MEDHA (Technical Quiz)

S.No	Name of the Student (In Capital letters)	College Name	Prize
1	Y. MUKHESH	LBRCE	I prize
	T. CHANDRA SASI VARDHAN	ANDHRA LAYOLA	
2	A. SURYA PRASAD	LBRCE	II prize
	U. ABHINAV	LBRCE	


Lakshya Coordinator


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OJAS WINNERS

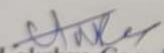


Date: 25-01-2025

LAKSHYA 2K25 - Event wise Winners List

OJAS - Special Event

S.No	Name of the Student (In Capital letters)	College Name	Prize
1	M.SIVA SAI YASWANTH	LBRCE	I prize
	SAI ADITYA	LBRCE	
2	YARAMALA VIVEK	MIC	II prize
	UPPALAPATI ANU	MIC	


Lakshya Coordinator


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