

MECHANURGY

(MECHANICAL E-NEWS LETTER FEBRUARY 2024)

DEPARTMENT OF MECHANICAL ENGINEERING



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING (Autonomous)

Accredited by NAAC & NBA under Tier - I

Approved by AICTE and Permanently Affiliated to JNTUK, Kakinada

Mylavaram - 521 230, NTR Dt., AP, India

MONTHLY REPORT**Month:** February 2024**Name of the Department:** Mechanical Engineering

Professors			Associate Professors			Assistant Professors			Permanent Faculty			PhDs			Ph.D Pursuing
M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	
7	0	7	5	0	5	14	2	16	26	2	28	11	0	11	12

Visiting/Adjunct faculty	Newly joined faculty	Faculty left	Faculty promotions	Faculty Registered for Ph.D	Ph.D awarded / Thesis submitted
1	0	0	0	00	0

No. of Non Teaching Staff

Lab Technician	Lab Helper	Fitter	Record Assistant	Attender	T	M	F	No. of newly joined NT staff
6	1	2	1	1	11	10	1	0

1. Events conducted by the department

Event Type	Number
Conferences	0
FDPs/STTPs	0
Staff Colloquiums	2
Workshops	0
Certification programs	0
Seminar	0
Webinar	0
Guest Lectures	0
Industrial Visits	0
Administrative/Training Programs organized for supporting staff	0
Technical Club Activities	0
Student Chapter/ Professional Society activities	0
Cultural Activities	0
Alumni Interactions	0
GATE Classes	0

2. Interaction with outside world by faculty

Event Type	Number of Faculty
Acted as Resource Persons / Session Chair / BoS members/Guest lecture etc. (External)	0
Faculty attended International / National Conferences (External)	0
Online/ face-to-face FDPs (External)	1
STTPs & STCs attended	0
Webinar's attended	0
Workshops attended (External)	1
Certification Programs –NPTEL/Swayam	0
Certification Programs –Coursera / Other	0
Certification Programs –Any other (Blended Learning, Seminar)	0

3. Faculty Publications & Research Mobilization

Journals		Conferences		Patents Published	Patents Granted	Books/Conference proceedings	Collaborations/ Linkages
National	Int.	National	Int.				
0	1	0	0	1	0	2	1

No. of Research Grants received	Amount	No. of Grants received	Amount	Proposals Submitted	No. of Staff Colloquium	Revenue generated from consultancy	Awards/ Recognitions
0	0	0	0	0	2	0	0

4. Faculty Recognitions and Achievements:**5. MoUs with institutions of national, international importance, other universities, industries, corporate houses etc.**

Organization with which MoU is signed	Institution/ Industry/ Corporate house	Year of signing MoU	Duration	Activities under MOU	Number of students/teachers participated under MoUs
0	0	0	0	0	0

6. Students' Activities and Participation**a) Co-Curricular Activities**

Activity	No. of Students Participated				Total
	I Year	II Year	III Year	IV Year	
Technical Symposia					-
Workshops					-
Certification Programs –NPTEL (Completed)					-
Certification Programs –Coursera (Completed)					-
Certification Programs –Any other (Completed)					-
In-House GATE Classes					-
Conferences/Seminars					-
Student Chapter/Societies activities					-
Technical Club Activities					-
CIIE Activities					-

b) Extra-Curricular/Cultural Activities

Activity	No. of Students Participated				Total
	I Year	II Year	III Year	IV Year	
Extra-curricular activities (Sports & Games)					-
Cultural activities/Competitions					-
Yoga Competitions					-
Gym Competitions					-

c) Extension Activities

Activity	No. of Students Participated				Total
	I Year	II Year	III Year	IV Year	
Extension Activities (NSS)					-
Extension Activities (NCC)					-

7. Students' Achievements/Recognitions

Student Publications

Journals		Conferences	
National	Int.	National	Int.
0	0	0	0

Activity	No. of Students				Total
	Male		Female		
Placements					-
	I Year	II Year	III Year	IV Year	Total
GATE/CAT/GRE/TOEFL/PGCET etc.					-
Co-curricular activities					-
CIIE-Innovations					-
Extra-curricular activities					-
Cultural activities					-
Yoga					-
Gym					-
Extension Activities					-
CIIE-Innovations/Start-ups					-
Any other					-

8. New equipment / software purchased : Nil

9. Total Lab cost : 2,79,33,241/-

10. Advanced Lab Utilization : Nil

Name of the Advanced Lab	No. of Mini Projects	No. of Students	No. of Main Projects	No. of Students	No. of Certification Programmes Conducted	No. of Students Participated	PHD Pursuing	Patent Publications	Placements
Cognitive Science center	-		-		-			-	-
Dassault systems lab	-		-		-			-	-
R&D Lab	-		-		-			-	-
CAD Lab	-		-		-			-	-

Whether the website is Updated (YES/NO) : Yes

Dept. Coordinator
(Mr.V.Sankararao)

Head of the Department
(Dr.M.B.S.Sreekara Reddy)

ENCLOSURES:**Events Organized by the Department: Nill****Staff Colloquiums:**

Name of the Faculty	Name of the Topic	Date
S.Srinivasa Reddy (Jr)	Fabrication of Refrigeration System Using Liquified Petroleum Gas	08.02.2024
K.V.Viswanadh	Investigation of Mechanical Parameters of 3D Printed Honeycomb Sandwich Panels With Different Orientations	28.02.2024

1. Faculty Attended FDPs:

Name of the Faculty	Title of the program	Duration (From-To)	Organizing Institute	Place
Dr.Murahari Kolli	Global Conversations in Mechanical Engineering: Bridging Innovation and Sustainability	19th to 23rd February 2024	Madanapalle Institute of Technology & Science,	Andhra Pradesh, India.

Workshop:

Name of the Faculty	Title of the program	Duration (From-To)	Organizing Institute	Place
Sankararao V	Applications of AI & ML in Advanced Materials Processing Techniques	02.02.2024 to 08.02.2024	S V National Institute of Technology	Surat, Gujarat

2. Faculty Publications & Research Mobilization**Publications:**

Name of the Authors	Title of the publication	Name of the Journal	DoI No.	Published Date
Murahari Kolli, Chendra Sekhar Sunnapu	Experimental investigation of Al 5083 alloy using friction stir welding process through taguchi method	International Journal on Interactive Design and Manufacturing (IJIDeM)	https://doi.org/10.1007/s12008-024-01746-w	20.02.2024

Books/Book Chapters:

Name of the Authors	Title of the Book/Chapter	ISSN/ISBN No.	Name of the Publisher
P Ravindra Kumar, N.Ravi kumar	Exergy - Theoretical Background and Cases of Study/ Exergy Analysis of thermal energy systems	978-0-85466-683-6	Intech Open, London, U.K.
Murahari Kolli, Dasari Sai Naresh and K. Ravi Prakash Babu	Experimental studies on Mechanical characteristics of Bamboo Leaf Ash reinforcement with Aluminum 7075 alloy using Rotary Stir Casting Technique	978-981-5136-72-2	Bentham Science,Singapore

Patents:

Name of the Inventors	Title of the patent	Application/Publication No.	Agency
Sathishkumar Natesan, S Bala Mohan, K S Sriram, Frank Gladson T S, Dr V Gopal, Dr. S.Rajesh Ruban, Dr R Prabu, Jonnala Subba Reddy , G. M. Pradeep, G. Ashwin Prabhu, C. Anand	Design and Analysis of high strength to weight backhoe loaders	202441012315	Indian Patent Office

Collaborations:**Linkages:**

Name of the Faculty	Name of the Researcher	Name of the Institute	Duration
Dr.K.Murahari	Dr.M. Krishna Kishore	SVNIT Surat	4 Years (upto June 2025)