Edition VII, Volume IV, 2023-24

Mechanical Engineering E-Magazine (LBRCE)

(TIER-I)

MECH PULSE

(APR-JUN 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

Mechanical Engineering E-Magazine (LBRCE)

MESSAGE FROM HEAD OF THE DEPARTMENT

I am very happy to inform you that the department of mechanical engineering is bringing **MECH PULSE-an e-magazine** its edition VII and volume IV. The department of mechanical engineering is Accredited by **National Board of Accreditation (NBA) under Tier-I** and is started in the year 1998 with an intake of 60 students. At present the department is offering B.Tech Mechanical Engineering with an intake of 60 students and M.Tech – Thermal Power Engineering with an intake of 6 students. The department has thirteen state of art laboratories worth of 2.8 crores, with advanced computing facilities, software and research equipment. Advanced **Research Laboratories** in the area of **Cognitive Science, Material Testing, Tribology and Thermal Engineering** are available. Sophisticated **ANSYS Skill Development Centre** with 110 users of ANSYS 18.1 and **Dassult 3D Experience centre** (in association with APSSDC) is available. The department has 31 faculty members with 12 Doctoral degrees. Twelve faculty are actively pursuing for their Ph.D in various universities and nine research scholars are working for their doctoral under the department faculty. The department faculty constantly upgrade their knowledge in the area of their domain by attending various Faculty Development Programs, workshops, seminars etc. The faculty are actively engaged in their research work and are active in publishing papers in journals and conferences.

VISIONOF THE DEPARTMENT

- To impart knowledge in Mechanical Engineering with global perspectives for the graduates to serve the society and industry.

MISSIONOF THE DEPARTMENT

- To enable the graduates technically sound with the state- of- the –art curriculum and innovative teaching methods
- To provide training programs that bridge the gap between academia and industry
- To create a conducive environment and facilities to improve overall personality development of the graduates
- To make the graduates aware of role and responsibilities of an engineer in society.

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

PEO1: To build a professional career and pursue higher studies with sound knowledge in Mathematics, Science and Mechanical Engineering.

PEO2: To inculcate strong ethical values and leadership qualities for graduates to become successful in multidisciplinary activities.

PEO3: To develop inquisitiveness towards good communication and lifelong learning.

PROGRAM OUTCOMES (POs)

Engineering Graduates will be able to:

Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the informatDesign And Fabrication Of Smart E-Bicycleion to provide valid conclusions.

Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.

The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO1: To apply the principles of thermal sciences to design and develop various thermal systems.

PSO2: To apply the principles of manufacturing technology, scientific management towards improvement of quality and optimization of engineering systems in the design, analysis and manufacturability of products.

PSO3: To apply the basic principles of mechanical engineering design for evaluation of performance of various systems relating to transmission of motion and power, conservation of energy and other process equipment.

RESEARCH PROJECTS APPLIED

S.No.	Name of the Faculty	Title of the Project	Funding Agency	Amount (Lakhs)
1.	Dr.P. Ravindra Kumar	Smart Innovative solar assisted hybrid dessicant liquid air conditioning system	FIST	17.3
2.	Dr.A.Nageswara Rao	Road Safety: Analyzing Driver Distraction, Driving Errors and Development of Distrotion Detection system	DST-CSIR	29.26
3.	Dr.Murahari Kolli (PI) Dr. Seelam Pichi Reddy	Design of multi axis tool path decomposition strategies for curved surface automation in metal additive manufacturing of super duplex stainless steel	SERB-SUR	19.90
4.	Dr. Murahari Kolli (Co-PI) Dr. Chandan Kumar	Cost effective way of additive manufacturing in the design and fabrication of an effective electric vehicle structures.	SERB-SUR	29.30
5.	Dr. Murahari Kolli (Co-PI) B.Raghu Kumar P.Jagadeesh	Experimental investigation on the effect of biodegradation on the mechanical behaviours bio compactable ball burnished Mg-zn-RE alloy for orthopedic implants and cardiovascular stent applicants	APSCHE-JNTUK	9.3
6.	Dr.V.Dhana Raju Dr. K.Apparao	Application of LSTM-based machine learning algorithm and DIESEL-RK software in studying diverse attributes of diesel engine with different piston bowl geometries	SERB-SUR	26.44
7.	Dr.Seelam Pichi Reddy	Multi utility Wheel Chair For Crawling People	DST	39.95

PUBLICATIONS BY FACULTY

A: Conferences Attended

- **Kolahalam Sai Babu** and T. N. Charyulu have presented a paper on "An Intense Study on The Efficiency and Effectiveness of Gilled Tube Economizer in Thermal Power Plant by Using LMTD and NTU Methods" at the National Conference on Advanced Trends in Engineering Sciences & Technology, organized by IQAC, R K College of Engineering, on 3rd and 4th April 2024.

B: Journal Publications

- **Kolahalam Sai Babu**, T. N. Charyulu, "An Intense Study on The Efficiency and Effectiveness of Gilled Tube Economizer in Thermal Power Plant by Using LMTD and NTU Methods" published in United International Journal of Engineering and Sciences (UIJES), Rover Publications, ISSN: 2582-5887. https://doi.org/10.53414/UIJES:2024.43.23.
- **Murahari Kolli**, Sai Naresh Dasari, Satyanarayana Kosaraju, "Investigation on Mechanical Properties of Agro and Industrial Waste Reinforcement in Aluminium 7075 Composite with Liquid Metal Stir Casting Route" published in Archives of Metallurgy and Materials (SCIE), ISSN: 1733-3490/2300-1909. https://doi.org/10.24425/amm.2024.149782.
- P.Venkataramana, V.Mani Kumar, N.Raghuram, **Siva Sankara Babu Chinka**, "Experimental Investigation of Air Jet Impingement Cooling in Car Radiator with Hollow Cone Nozzle Plate Spacing Using Nanofluids" published in Heat and Mass Transfer, ISSN: 1432-1181, 0947-7411. https://doi.org/10.1007/s00231-024-03493-w.

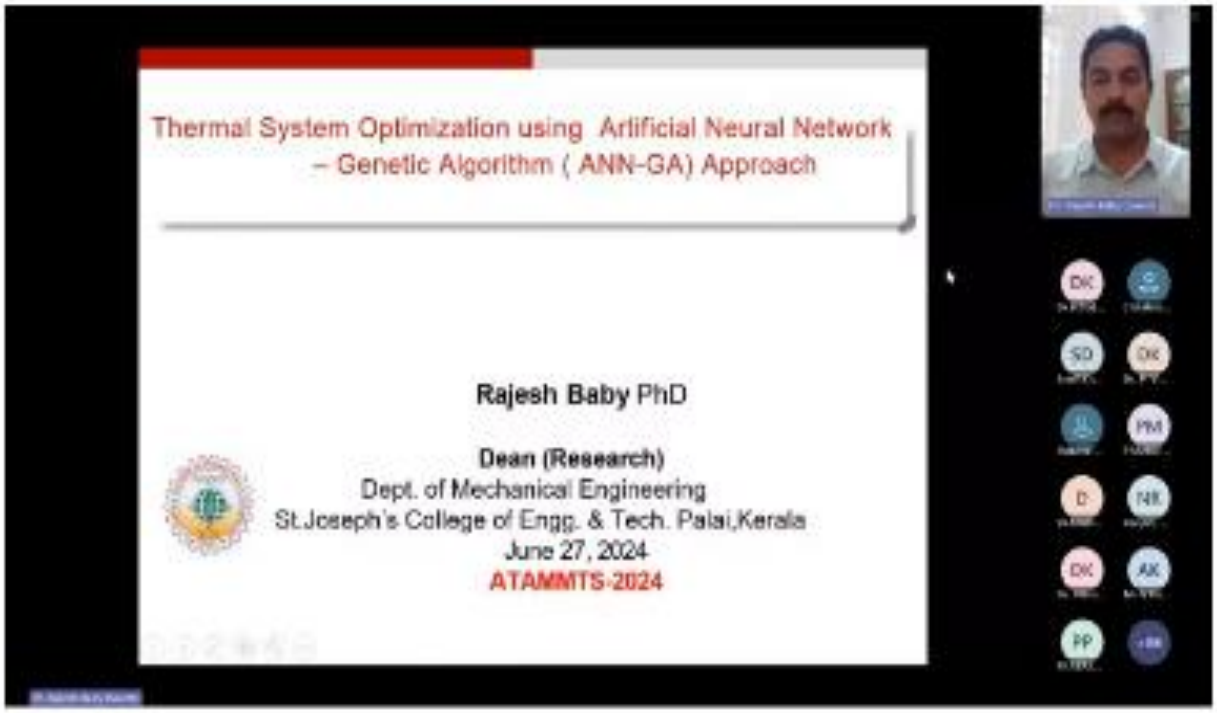
BOOKS/CHAPTERS PUBLISHED

- **Pasupuleti Ravindra Kumar**, Naradasu Ravi Kumar, "Comparative Exergy Analysis of Thermal Power Plant Systems" published by INTECH OPEN PUBLISHERS, London, ISBN: 978-0-85466-683-6.

EVENTS ORGANIZED BY THE DEPARTMENT

- The Department of Mechanical Engineering, organized a online faculty development program on "AI/ML Tools for Advanced Materials, Manufacturing, and Thermal Systems" was organized from 24.06.2024 to 28.06.2024 by Dr.P.Vijaya Kumar, Professor, and Dr.K.Murahari, Associate Professor coordinated the event.

Lecture by Dr.Priyaranjan Sharma on advanced Machining processes



Presentation by Rajesh Baby on Thermal System Optimization

COLLABORATIONS / LINKAGES

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

FACULTY AWARDED Ph.D

- **Dr.A.Nageswara Rao**, Sr. Asst. Professor received Ph.D from Department of Production Engineering, NIT, Tiruchirappalli.

FDP's/STTP's/STC's/WORKSHOP's ATTENDED BY FACULTY

1. Dr. P. Ravindra Kumar participated in a program on "Outcome Based Education and Application of Generative AI in Teaching and Research" organized by Gauhati University, Assam, from 17-04-2024 to 24-04-2024.
2. Dr. B. Sudheer Kumar participated in a program on "INDUSTRY 4.0/5.0" organized by Prasad V Potluri Siddhartha Institute of Technology, Vijayawada, from 15-04-2024 to 27-04-2024.
3. Dr. A. Nageswara Rao participated in a program on "INDUSTRY 4.0/5.0" organized by Prasad V Potluri Siddhartha Institute of Technology, Vijayawada, from 15-04-2024 to 27-04-2024.
4. K. Sai Babu participated in a program on "INDUSTRY 4.0/5.0" organized by Prasad V Potluri Siddhartha Institute of Technology, Vijayawada, from 15-04-2024 to 27-04-2024.
5. Dr. B. Sudheer Kumar participated in an International Workshop on "3D Printing & Additive Manufacturing Insights" organized by NIT Mizoram from 12-04-2024 to 16-04-2024.
6. Dr. Ch. Siva Sankara Babu participated in an International Workshop on "3D Printing & Additive Manufacturing Insights" organized by NIT Mizoram from 12-04-2024 to 16-04-2024.
7. Mr. Mallikarjuna Rao Dandu participated in a faculty development program on "Industry 4.0/5.0" organized by Prasad V Potluri Siddhartha Institute of Technology, Vijayawada from 15-04-2024 to 27-04-2024.

8. K. Sai Babu participated in a program on "Current Trends in Mechanical Engineering - Case Studies from Industries & Academia to Promote Innovation, Design Thinking, and Startups" organized by Sri Vishnu Engineering College for Women, Bhimavaram, from 20-05-2024 to 25-05-2024.
9. Dr. M. B. S. Sreekara Reddy participated in a faculty development program on "OBE & NEP 2020" organized by VIT AP from 10-06-2024 to 14-06-2024.
10. Dr. V. Dhana Raju participated in a faculty development program on "OBE & NEP 2020" organized by VIT AP from 10-06-2024 to 14-06-2024.
11. Dr. Ch. Siva Sankara Babu participated in a program on "Design Thinking and Innovation" organized by Narasaraopeta Engineering College, Narasaraopeta, from 18-06-2024 to 22-06-2024.
12. Dr. S. Pichi Reddy participated in a faculty development program on "AI/ML Tools for Advanced Materials, Manufacturing, and Thermal Systems" organized by LBRCE from 24-06-2024 to 28-06-2024.
13. Dr. P. V. Chandra Sekar Rao participated in a faculty development program on "AI/ML Tools for Advanced Materials, Manufacturing, and Thermal Systems" organized by LBRCE from 24-06-2024 to 28-06-2024.
14. Dr. M. B. S. Sreekara Reddy participated in a faculty development program on "AI/ML Tools for Advanced Materials, Manufacturing, and Thermal Systems" organized by LBRCE from 24-06-2024 to 28-06-2024.
15. Dr. P. Vijay Kumar participated in a faculty development program on "AI/ML Tools for Advanced Materials, Manufacturing, and Thermal Systems" organized by LBRCE from 24-06-2024 to 28-06-2024.
16. Dr. K. Dilip Kumar participated in a faculty development program on "AI/ML Tools for Advanced Materials, Manufacturing, and Thermal Systems" organized by LBRCE from 24-06-2024 to 28-06-2024.
17. Mr. S. Srinivasa Reddy participated in a faculty development program on "AI/ML Tools for Advanced Materials, Manufacturing, and Thermal Systems" organized by LBRCE from 24-06-2024 to 28-06-2024.
18. Dr. B. Sudheer Kumar participated in a faculty development program on "AI/ML Tools for Advanced Materials, Manufacturing, and Thermal Systems" organized by LBRCE from 24-06-2024 to 28-06-2024.

19. Dr. Ch. Siva Sankara Babu participated in a faculty development program on "AI/ML Tools for Advanced Materials, Manufacturing, and Thermal Systems" organized by LBRCE from 24-06-2024 to 28-06-2024.
20. Mr. S. Srinivasa Reddy (Jr) participated in a faculty development program on "AI/ML Tools for Advanced Materials, Manufacturing, and Thermal Systems" organized by LBRCE from 24-06-2024 to 28-06-2024.
21. Mr. K. V. Viswanadh participated in a faculty development program on "AI/ML Tools for Advanced Materials, Manufacturing, and Thermal Systems" organized by LBRCE from 24-06-2024 to 28-06-2024.
22. S. Srinivasa Reddy participated in a program on "The Intricacies of AI in Academic Research" organized by LBRCE, Mylavaram, from 28-06-2024 to 30-06-2024.
23. S. Srinivasa Reddy (Jr) participated in a program on "The Intricacies of AI in Academic Research" organized by LBRCE, Mylavaram, from 28-06-2024 to 30-06-2024.
24. K. Sai Babu participated in a program on "The Intricacies of AI in Academic Research" organized by LBRCE, Mylavaram, from 28-06-2024 to 30-06-2024.

STAFF COLLOQUIUMS

Name of the Faculty	Name of the Topic	Date
S.Rami Reddy	Design and Fabrication of Hybrid Power Generating Device	11.04.2024
K.Lakshmi Prasad	Fabrication of Multipurpose Agriculture Machine	25.04.2024
V.Sankararao	Design and fabrication of frictionless braking system	10.05.2024
D.Mallikarjuna Rao	Change Material (PCM) Of Zn (No3) 2.6 h_2O By Adding Fly ash	29.05.2024
Mrs.B.Kamala Priya	Clutch Pedal Power Generation System By Using Rack and Pinion Mechanism	10.06.2024
Mr.A.Dhanunjay Kumar	Design and Fabrication of Smart E-Bicycle	26.06.2024

PATENTS PUBLISHED

Name of the Inventors	Patent Number	Title of the Patent	Agency
1. **SankararaoVinjavarapu**, 2. Dr Md.Khaja Moinuddin Farokhi, 3.Jyoti Soni, 4.Manoj Tiwari, 5.Abhineet Samadhiya 6.Hansini Medikondu, 7.Anna Eswara Kumar.	414012-001	AI BASED BODY SCANNER	Indian Patent
K.Lakshmi Prasad	202441040681	Fabrication of Aqua Oxidizer	Indian Patent

NPTEL ONLINE CERTIFICATIONS

- **Mr.K.Narayana** got **TOP 1%** in **"**Introduction to Environment Engineering and Science - Fundamentals and Sustainability Concepts" course during Jan-Apr 2024.

S. No	Name of the Faculty	Name of the Course	Grade
1.	Dr.P Ravindra Kumar	Electrochemical Technology in Pollution Control	Successfully Completed
2.	Dr P.Vijaya Kumar	Great Experiments In Psychology	Elite
3.	Mr.J.Subba Reddy	Sensors And Actuators	Elite
4.		Manufacturing Guidelines For Product Design	Elite
5.		Robotics Control: Theory And Practice	Elite
6.		Design Practice	Elite
7.		Wheeled Mobile Robots	Elite
8.		Modelling and Simulation of Dynamic Systems	Elite
9.		Deep Learning	Successfully Completed
10.		Industrial Automation And Control	Successfully Completed
11.		Introduction To Machine Learning	Successfully Completed
12.	Dr.K.Murahari	Inspection and Quality Control in Manufacturing	Elite
13.	Dr. Vallapudi Dhana Raju	Teaching And Learning In Engineering (Tale)	Elite + Silver
14.	Dr.Siva Sankara Babu Chinka	Deep Learning	Successfully Completed
15.	Mr.Narayana Karagani	Introduction To Environment Engineering And Science - Fundamentals And Sustainability Concepts	Elite + Silver
16.	Mr Sankararao Vinjavarapu	Research Methodology	Elite

17.	Mr.D.Mallikarjunarao	Refrigeration And Air-Conditioning	Elite
18.		Research Methodology	Elite
19.	Mr Dhanunjay Kumar Ammisetti	Business Intelligence & Analytics	Elite + Silver
20.		Introduction To Machine Learning	Successfully Completed
21.	Mr.K.Venkateswara Reddy	Renewable Energy Engineering: Solar, Wind And Biomass Energy Systems	Successfully Completed
22.	Mr.S.Uma Maheswara Reddy	NBA Accreditation And Teaching And Learning in Engineering (NATE)	Successfully Completed
23.	Mr.K.Sai Babu	Renewable Energy Engineering: Solar, Wind And Biomass Energy Systems	Successfully Completed
24.	Ms.Mounika	Manufacturing Automation	Successfully Completed
25.		Effective Engineering Teaching In Practice	Elite

STUDENTS ACHIEVEMENTS/ACTIVITIES

NPTEL ONLINE CERTIFICATIONS

S. No	Name of the Student	Name of the Course	Marks	Grade
1	Narra Mohan Vamsi	Introduction To Industrial 4.0 And Industrial	79	Elite+Silver
2	Oggu L K M K Pavan Kumar Reddy	Industry 4.0	78	Elite+Silver
3	Kalasani Upendra	Introduction To Industry 4.0 And Internet Of Things	72	Elite
4	Dola Sai Akhileshwar Manne	Introduction To Industry 4.0 And Industrial Internet Of Things	69	Elite
5	Gowrisetti Chaitanya Naveen	Introduction To Industry 4.0 And Industrial Internet Of Things	68	Elite
6	Ogirala Manjunadh	Introduction To Industry 4.0 And Industrial Internet Of	67	Elite

		Things		
7	GopisettiHarivenkat	Introduction To Internet Of Things	67	Elite
8	Narra Mohan Vamsi	Introduction To Industry 4.0 And Industrial Internet Of Things	64	Elite
9	BathinaKusalkumar	Introduction To Industry 4.0 And Industrial Internet Of Things	63	Elite
10	Tarun Chatla	Introduction To Industry 4.0 And Industrial Internet Of Things	63	Elite

STUDENT PLACEMENTS

S NO	REG NO	NAME OF THE STUDENT	COMPANY	Package
1	20761A0363	Santosh Kanda	Accenture	**4**
2	20761A0303	Andraju Harika	KYB CORPORATION	**2.4**
3	20761A0306	Bazaru Revanth kumar	KYB CORPORATION	**2.4**
4	20761A0313	Dimmiti Shanmukha Anil kumar	KYB CORPORATION	**2.4**
5	20761A0317	Gurvindapalli sunil	KYB CORPORATION	**2.4**
6	20761A0319	K.Pavan manikanta	KYB CORPORATION	**2.4**
7	20761A0327	Maridhu Uma Devi	KYB CORPORATION	**2.4**
8	20761A0335	Neelapala Vasantha Lakshmi	KYB CORPORATION	**2.4**
9	20761A0340	Shaik Zubair	KYB CORPORATION	**2.4**

10	20761A0342	Surampalli Rohith kumar	KYB CORPORATION	**2.4**
11	20761A0343	Tanuri Venkata Deepak	KYB CORPORATION	**2.4**
12	20761A0344	Udumula Anjaneya Reddy	KYB CORPORATION	**2.4**
13	20761A0348	Alla Geetheswar Reddy	KYB CORPORATION	**2.4**
14	20761A0355	Cherukuru Rishitha	KYB CORPORATION	**2.4**
15	20761A0378	Orisala Vijaya	KYB CORPORATION	**2.4**
16	20761A0389	SHAIK MOSHIN	KYB CORPORATION	**2.4**
17	21765A0301	A.SREETHI	KYB CORPORATION	**2.4**
18	21765A0302	Appikatla Jaswanth ram	KYB CORPORATION	**2.4**
19	21765A0303	BHUKYA SIVA NAYAK	KYB CORPORATION	**2.4**
20	21765A0308	GUTI UMARAM	KYB CORPORATION	**2.4**
21	21765A0313	Sambathina Bhanuprakash	KYB CORPORATION	**2.4**
22	21765A0314	Sattenapalli Padmavathi	KYB CORPORATION	**2.4**
23	21765A0315	Syamala devi Swargam	KYB CORPORATION	**2.4**
24	21765A0317	Venkat Vedantham	KYB CORPORATION	**2.4**
25	21765A0319	YARAGANI CHARAN DEEP	KYB CORPORATION	**2.4**

26	21765A0323	Devarakonda Vamsi	KYB CORPORATION	**2.4**
27	21765A0324	GURUGUBELLI JITENDRA	KYB CORPORATION	**2.4**
28	21765A0333	Durga Rao Sappa	KYB CORPORATION	**2.4**
29	21765A0323	DEVARAKONDA VAMSI	IMEG	**4.0**
30	21765A0308	GUTI UMARAM	IMEG	**4.0**
31	20761A0306	Bazaru Revanth kumar	POWER MECH	**3.0**
32	20761A0343	Tanuri Venkata Deepak	POWER MECH	**3.0**
33	21765A0306	Gampa Siva Prasad	POWER MECH	**3.0**
34	21765A0308	Guti Umaram	POWER MECH	**3.0**
35	21765A0309	Maragani Anantha Sai	POWER MECH	**3.0**
36	21765A0319	Yaragani CharanDeep	POWER MECH	**3.0**
37	21765A0323	Devarakonda Vamsi	POWER MECH	**3.0**
38	21765A0324	Guruguvelli Jitendra	POWER MECH	**3.0**
39	21765A0328	Mugada Vara Prasad	POWER MECH	**3.0**
40	21765A0333	Sappa Durga Rao	POWER MECH	**3.0**
41	20761A0324	SIVA SANKAR VARA PRASAD L	POWER MECH	**3.0**

42	20761A0304	KUSAL KUMAR B	POWER MECH	**3.0**
43	20761A0394	Tadi Vykunta Reddy	ZEN Technologies Limited	**2.4**
44	20761A0359	Gangula Devi Vara Prasad	ZEN Technologies Limited	**2.4**
45	20761A0352	Atmuri Venkata Rajendra	ZEN Technologies Limited	**2.4**
46	20761A0381	Peeta Vara Prasad	ZEN Technologies Limited	**2.4**
47	20761A0309	Chatla Tarun	ZEN Technologies Limited	**2.4**
48	20761A0318	KANAKAPUDI PRAVEEN	ZEN Technologies Limited	**2.4**
49	20761A0302	Mani dinesh Anam	ZEN Technologies Limited	**2.4**
50	20761A0358	Siri Venkata Naga Gopi Dokku	MILEKAL	**3**
51	21765A0334	SHAIK MOHAMMED SADIQ	MILEKAL	**3**
52	20761A0384	REDROUTHU VENKANNA	MILEKAL	**3**
53	21765A0310	PRAGADA ESWAR	MILEKAL	**3**
54	21765A0325	Gopikrishna Ketham	MILEKAL	**3**
55	20761A0301	A.Gopi chand	TVS SUNDRAM FASTENERS LIMITED	**2.4**
56	20761A0311	D.Akash	TVS SUNDRAM FASTENERS LIMITED	**2.4**
57	20761A0314	D.Venkatesh	TVS SUNDRAM FASTENERS	**2.4**

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58	20761A0315	G.Murali Krishna	TVS SUNDRAM FASTENERS LIMITED	**2.4**
59	20761A0319	K.Pavan Manikanta	TVS SUNDRAM FASTENERS LIMITED	**2.4**
60	20761A0321	K.Sai Ganesh	TVS SUNDRAM FASTENERS LIMITED	**2.4**
61	20761A0330	M.Jagadeesh vara prasad	TVS SUNDRAM FASTENERS LIMITED	**2.4**
62	20761A0331	M.Nithin Srinivas	TVS SUNDRAM FASTENERS LIMITED	**2.4**
63	20761A0334	N.Mohan Vamsi	TVS SUNDRAM FASTENERS LIMITED	**2.4**
64	20761A0337	P.Shanmukh	TVS SUNDRAM FASTENERS LIMITED	**2.4**
65	20761A0338	P.Kalyan	TVS SUNDRAM FASTENERS LIMITED	**2.4**
66	20761A0344	Anjaneya Reddy	TVS SUNDRAM FASTENERS LIMITED	**2.4**
67	20761A0345	V.Madhu	TVS SUNDRAM FASTENERS LIMITED	**2.4**
68	20761A0347	V.Prasanna Sai	TVS SUNDRAM FASTENERS LIMITED	**2.4**
69	20761A0349	A.Praveen Kumar	TVS SUNDRAM FASTENERS LIMITED	**2.4**

70	20761A0350	A.Naveen Kumar	TVS SUNDRAM FASTENERS LIMITED	**2.4**
71	20761A0353	ATTALURI.TEJA	TVS SUNDRAM FASTENERS LIMITED	**2.4**
72	20761A0356	D.Srikanth	TVS SUNDRAM FASTENERS LIMITED	**2.4**
73	20761A0358	D.Siri venkata naga gopi	TVS SUNDRAM FASTENERS LIMITED	**2.4**
74	20761A0361	K.Naveen kumar	TVS SUNDRAM FASTENERS LIMITED	**2.4**
75	20761A0362	K.Upendra	TVS SUNDRAM FASTENERS LIMITED	**2.4**
76	20761A0365	M.Rajasekhar Reddy	TVS SUNDRAM FASTENERS LIMITED	**2.4**
77	20761A0368	M.Ramesh	TVS SUNDRAM FASTENERS LIMITED	**2.4**
78	20761A0370	M.vishnu vardhan	TVS SUNDRAM FASTENERS LIMITED	**2.4**
79	20761A0373	M.Vamsi	TVS SUNDRAM FASTENERS LIMITED	**2.4**
80	20761A0382	P.Likhhith Kumar	TVS SUNDRAM FASTENERS LIMITED	**2.4**
81	20761A0384	R.Venkanna	TVS SUNDRAM FASTENERS LIMITED	**2.4**
82	20761A0385	S.Jagadish Reddy	TVS SUNDRAM FASTENERS LIMITED	**2.4**

83	20761A0390	S.Kalyan Babu	TVS SUNDRAM FASTENERS LIMITED	**2.4**
84	20761A0391	S.Jaipal	TVS SUNDRAM FASTENERS LIMITED	**2.4**
85	20761A0393	Sykam.Kalyan	TVS SUNDRAM FASTENERS LIMITED	**2.4**
86	20761A0396	T.Uday Kiran	TVS SUNDRAM FASTENERS LIMITED	**2.4**
87	20761A03A0	Y.Vamsi	TVS SUNDRAM FASTENERS LIMITED	**2.4**
88	20765A0320	A.Raju	TVS SUNDRAM FASTENERS LIMITED	**2.4**
89	20765A0331	P.Mastan Khan	TVS SUNDRAM FASTENERS LIMITED	**2.4**
90	21765A0303	B.Siva nayak	TVS SUNDRAM FASTENERS LIMITED	**2.4**
91	21765A0304	B.Bhargav	TVS SUNDRAM FASTENERS LIMITED	**2.4**
92	21765A0309	M.Anantha Sai	TVS SUNDRAM FASTENERS LIMITED	**2.4**
93	21765A0310	Pragada.Eswar	TVS SUNDRAM FASTENERS LIMITED	**2.4**
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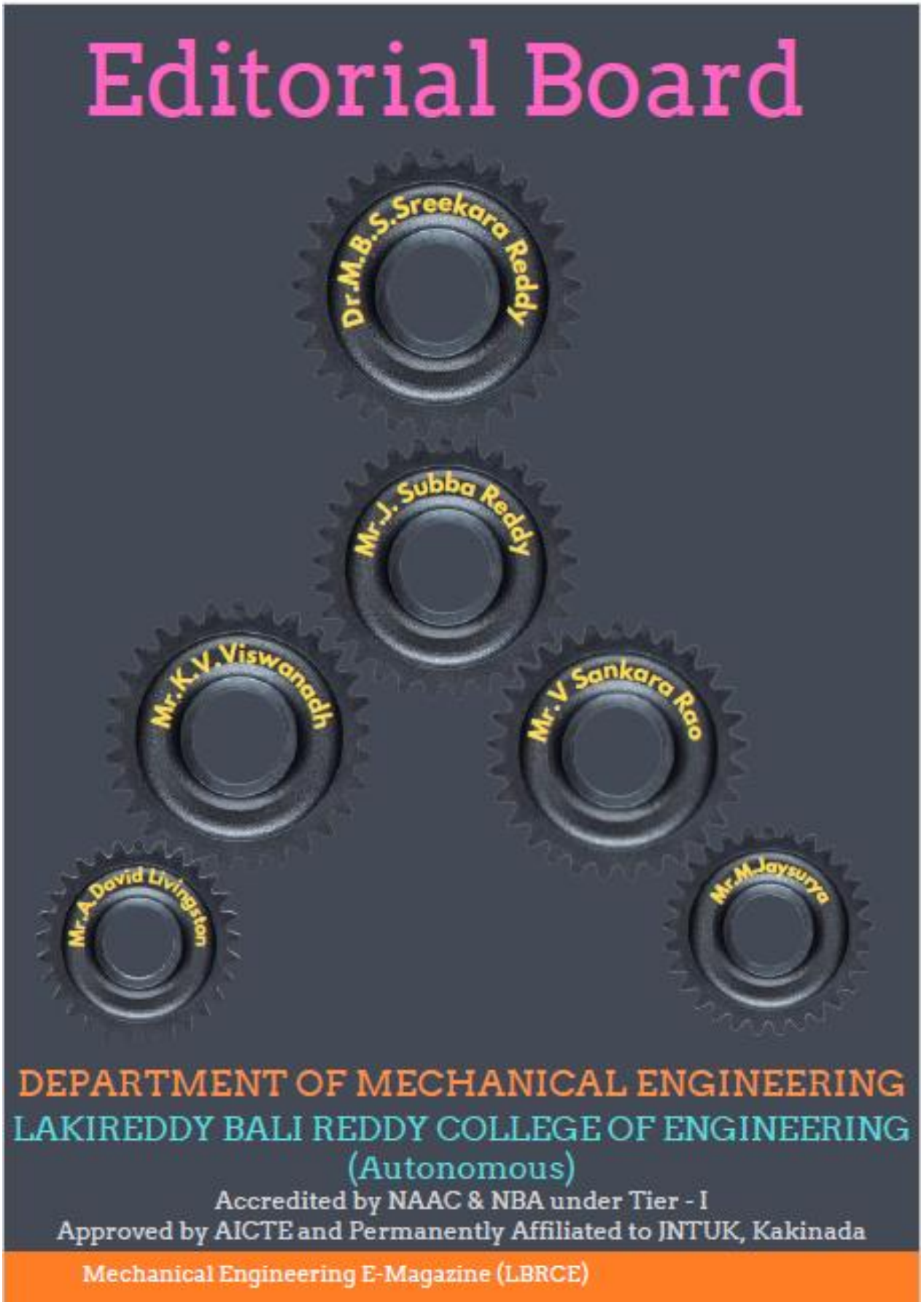
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