

Edition V, Volume I 2021-22

Mechanical Engineering E-Magazine (LBRCE)

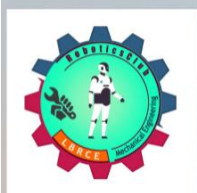


(TIER-I)



MECH PULSE

(JUL - SEP 2021)



DEPARTMENT OF MECHANICAL ENGINEERING
LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING
(Autonomous)

Accredited by NAAC & NBA (CSE, IT, ECE, EEE & ME) 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 V and volume I. 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 120 students and M.Tech – Thermal Engineering with an intake of 18 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 34 faculty members with 9 Doctoral degrees. Thirteen 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.

VISION OF THE DEPARTMENT

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

MISSION OF 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 information 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.

ONGOING RESEARCH PROJECTS

S.No.	Name of the Faculty	Title of the Project	Funding Agency	Amount Sanctioned	Sanctioned Year
1.	Dr.N.Sunil Naik	Evaluation of engine parameters affecting the performance of enzymatic transesterification process using test fuel blends	DST/SERB/EEQ	22,81,000	2019
2.	Dr.P.Vijay Kumar	Prerana scheme	AICTE	4,80,000	2019

PUBLICATIONS BY FACULTY

Conferences Attended:

- **Murahari Kolli, Sai naresh Dasari, K.Ravi Prakash Babu** presented a paper on “Experimental studies on Mechanical characteristics of Bamboo Leaf Ash reinforcement with Aluminum 7075 alloy using Rotary Stir Casting Technique”, in ICAMMP-2021 during 24-25 July 2021 at Malaviya National Institute of Technology Jaipur.
- **J.Subba Reddy, Dr.A.V.S.S.K.S. Gupta** presented a paper on “Simulation of Temperature Distribution In Electro Discharge Machining (EDM) of TI-6AL-4V Alloy”, in First International Conference on Social Work, Science & Technology (ICSST) during 29th to 30th July 2021 at Global Conference Hub, Coimbatore & Shrimathi Devkunvar Nanalal Bhutt Vishnav College For Women, Chennai.

- **Siva Sankara Babu Chinka**, Ch. Siva Srinivas Rao, **K. Sai Babu**, M.Chetan Satya, D.Harish, **K.V.Viswanath** presented a paper on “Design of Eco-Friendly Road Cleaner”, in International conference on emerging trends in Mechanical Engineering and industrial automation (ICETMEIA-2K21) during 30th & 31st July 2021 at Narasaraopeta Engineering College, Narasaraopeta.
- **Dr.V.Dhana Raju**, presented a paper on “Effect of addition of bio-additive clove oil to ternary fuel blends (Diesel-biodiesel-ethanol) on CI engine” in Second International Conference on Advances in Physical Sciences and Materials (ICAPSM 2021) from 12.08.2021 to 13.08.2021 at SNS College of Technology, Coimbatore, Tamil Nadu.
- **Murahari Kolli**, presented a paper on “Electrical Discharge Machining of SIC Reinforced 6061 Aluminium Alloy Surface Composite Fabrication by Friction Stir Processing” in 3rd International Conference on Design and Manufacturing aspects for Sustainable Energy 2021 from 24 - 26 Sep 2021 at GRIET, Hyderabad, Telangana.

Journal Publications:

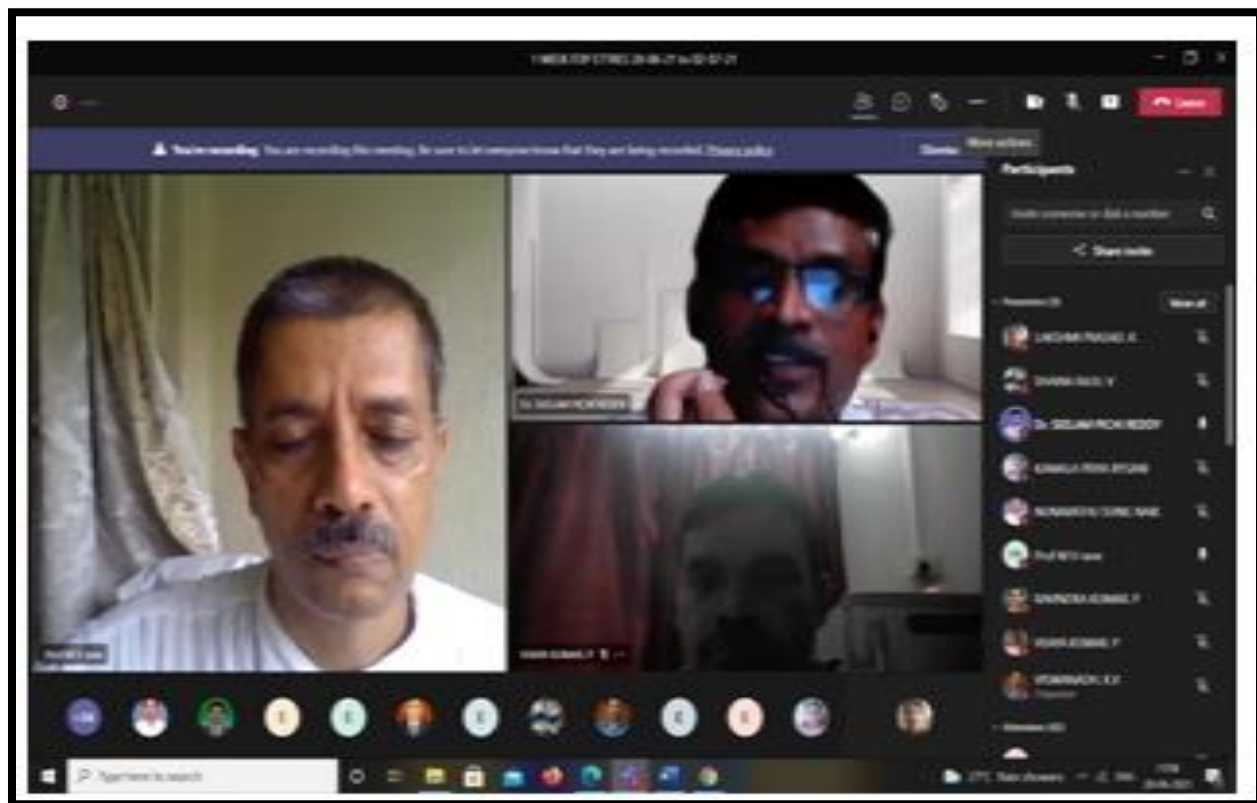
- K. Bhaskar Mutyalu, **V. Venkatrami Reddy**, **S. Uma Maheswara Reddy**, **K. Lakshmi Prasad** Effect of machining parameters on cutting forces during turning of EN 08, EN 36 & mild steel on high speed lathe by using Taguchi orthogonal array, Materials Today, [DoI.org/10.1016/j.matpr.2021.06.374](https://doi.org/10.1016/j.matpr.2021.06.374), July 2021, ISSN: 2214-7853.
- Shaik Khadar Basha, M.V.Jagannadha Raju, **Murahari Kolli** Study on the effect of machining characteristics of B4C powder mixed EDM of inconel X-750 alloy, Advances in and Processing Technologies, Sep-2021, doi.org/10.1080/2374068X.2021.1970984, 2374-068X (ISSN).

EVENTS ORGANIZED BY THE DEPARTMENT

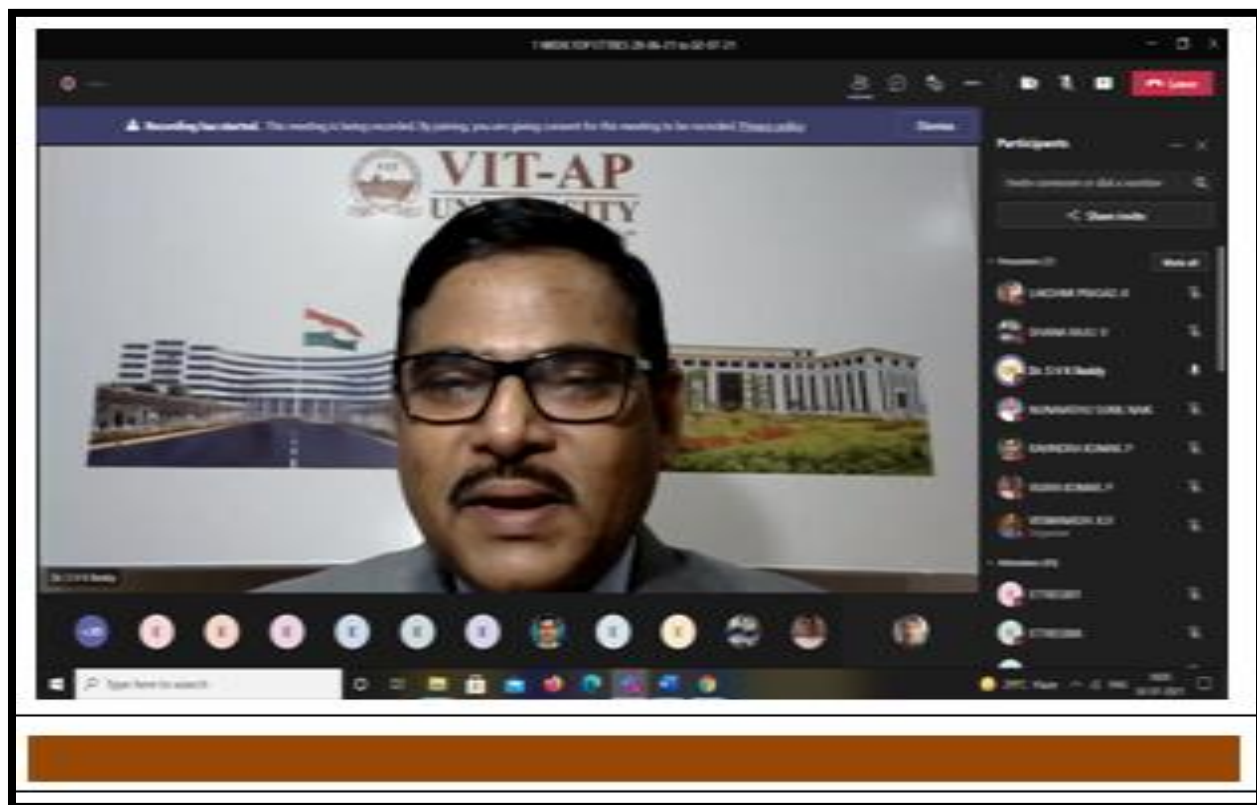
ONLINE FACULTY DEVELOPMENT PROGRAM

EMERGING TRENDS IN THERMAL AND RENEWABLE ENERGY SYSTEMS

The Department of Mechanical Engineering organized an online faculty development program on “**Emerging Trends in Thermal and Renewable Energy Systems**” through online from 28/06/2021 to 02/07/2021 by various faculty from reputed institutions. Dr.P.Vijay Kumar, Dr.V.Dhana Raju, Dr.N.Sunil Naik, K.V.Viswanadh, K.Lakshmi Prasad coordinated the event.



Addressed by Dr.S.Pichi Reddy, Professor & HoD



Lecture given by Dr.S.V.K.Reddy, Vice-Chancellor VIT AP

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)

SUMMARY OF COLLOQUIMS ORGANIZED

S. No	Name of The Faculty	Name of the Topic	Date
1.	Dr.S.Pichi Reddy	Mechanical behaviour of materials	14.07.2021
2.	Dr.P.Vijay Kumar	Applications of study flow energy equation	23.07.2021
3.	Dr.P.V.Chandra Sekhara Rao	Wear and Fatigue Strength of Titanium Implants Alloys	10.08.2021
4.	Dr.P.Ravindra Kumar	Heat transfer aspects of fluidized beds	25.08.2021
5.	Dr.K.Dilip Kumar	Advanced concepts in Heat Transfer	14.09.2021
6.	Mr.J.Subba Reddy	Demonstration of Robo Analyzer software for simulating robots	23.09.2021

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

1. Dr.S.Pichi Reddy has participated in a faculty development program on “Mechatronics & MEMS “organized by AICTE Training and Learning academy from 05-07-2021 to 09-07-2021.
2. Dr. P. Ravindra Kumar has participated in a faculty development program on “Research Avenues in Thermal Engineering (RATE - 2021)” organized by Vasavi College of Engineering, Hyderabad from 26th July to 30th July 2021.
3. J. Subba Reddy has participated in a faculty development program on “Analysis of Data using MATLAB” organized by REST Society for Research International (RSRI), Krishnagiri, Tamil Nadu from 19th to 23rd July 2021.
4. Dr. K. Murahari has participated in a faculty development program on “Emerging Trends In Advanced Materials & Manufacturing Processes (ETAMMP-2021)” organized by Kakatiya Institute of Technology & Science, Warangal, Telangana from 12th July to 16th July 2021.

5. Dr. V. Dhana Raju has participated in a faculty development program on “Fuel Powered, Hybrid Electric and Modern Vehicles” organized by VNRVJIET, Hyderabad from 19th July to 24th July 2021.
6. Ch. Siva Sankara Babu has participated in a faculty development program on “Emerging Trends in Thermal and Renewable Energy Systems” organized by Lakireddy Bali Reddy College of Engineering, Mylavaram from 28th June to 2nd July 2021.
7. A. Naresh Kumar has participated in a faculty development program on “ReactJS” organized by Lakireddy Bali Reddy College of Engineering, Mylavaram, from 5th July to 10th July 2021.
8. V. Sankararao has participated in a faculty development program on “Fuel Powered, Hybrid Electric and Modern Vehicles” organized by VNRVJ Institute of Engineering and Technology, Hyderabad from 19th July to 24th July 2021.
9. Mallikharjuna Rao D has participated in a faculty development program on “Fuel Powered, Hybrid Electric and Modern Vehicles” organized by VNRVJ Institute of Engineering and Technology, Hyderabad from 19th July to 24th July 2021.
10. B. Kamala Priya has participated in a faculty development program on “Emerging Trends in Thermal and Renewable Energy Systems” organized by Lakireddy Bali Reddy College of Engineering, Mylavaram from 28th June to 2nd July 2021.
11. V. Venkatrami Reddy has participated in a faculty development program on “Mechatronics & MEMS” organized by National Institute of Technology, Warangal from 5th July to 9th July 2021.
12. K. Srinivasa Rao has participated in a faculty development program on “Recent Trends in the Industrial Engineering and Management” organized by GMR Institute of Technology, Rajam from 26th July to 30th July 2021.
13. B. Dyva Isac Prem Kumar has participated in a faculty development program on “Emerging Trends In Advanced Materials & Manufacturing Processes (ETAMMP-2021)” organized by Kakatiya Institute of Technology & Science, Warangal, Telangana from 12th July to 16th July 2021.
14. S. Uma Maheswara Reddy has participated in a faculty development program on “Social Robotics & AI” organized by E&ICT Academy, NIT Patna, Patna, Bihar from 28th June to 4th July 2021.
15. S. Uma Maheswara Reddy has participated in a faculty development program on “Technological Advancements in Naval, Defense & Space Applications: An Integrated

Industry 5.0 Approach” organized by N S Raju Institute of Technology, Visakhapatnam, A.P, India from 8th July to 10th July 2021.

16. S. Uma Maheswara Reddy has participated in a faculty development program on “Fuel Powered, Hybrid Electric and Modern Vehicles” organized by VNRVJ Institute of Engineering and Technology, Hyderabad from 19th July to 24th July 2021.
17. Here is the data converted into the requested format:
18. Dr. P. Ravindra Kumar, has participated in a faculty development program on “Exergy and Thermoeconomic Investigation in Power Generation Systems” organized by Kingston Engineering College, Vellore from 9th August to 13th August 2021.
19. J. Subba Reddy has participated in a faculty development program on “Emerging Technologies in Automotive Industry” organized by Vallarupalli Nageswara Rao Vignana Jyothi Institute of Engineering and Technology, Hyderabad from 16th to 20th August 2021.
20. A. Nageswara Rao has participated in a faculty development program on “Artificial Intelligence and Machine Learning for Mechanical Engineers” organized by BNM Institute of Technology, Bangalore from 9th August to 13th August 2021.
21. K. Lakshmi Prasad has participated in a faculty development program on “Emerging Trends in Automotive and Energy Systems” organized by Sree Vidyanikethan Engineering College, Tirupati from 23rd to 27th August 2021.
22. V. Venkateswara Reddy has participated in a faculty development program on “Emerging Trends in Automotive and Energy Systems” organized by Sree Vidyanikethan Engineering College, Tirupati from 23rd to 27th August 2021.
23. K. Sai Babu has participated in a faculty development program on “Emerging Trends in Automotive and Energy Systems” organized by Sree Vidyanikethan Engineering College, Tirupati from 23rd to 27th August 2021.
24. K. Srinivasa Rao has participated in a faculty development program on “Emerging Trends in Automotive and Energy Systems” organized by Sree Vidyanikethan Engineering College, Tirupati from 23rd to 27th August 2021.
25. A. Pratyush has participated in a faculty development program on “Emerging Trends in Automotive and Energy Systems” organized by Sree Vidyanikethan Engineering College, Tirupati from 23rd to 27th August 2021.

26. Dr. P. Vijay Kumar *has participated in a faculty development program on* “Recent Trends in Thermal Engineering” organized by SR Gudlavalleru Engineering College, Gudlavalleru from 6th September to 10th September 2021.
27. Dr. P. Ravindra Kumar *has participated in a faculty development program on* “Fundamentals of Nuclear Power Generation” organized by IIT Guwahati, Guwahati.
28. J. Subba Reddy *has participated in a faculty development program on* “Research Methodology & IPR” organized by Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada from 13th to 17th September 2021.
29. Dr. K. Murahari *has participated in a faculty development program on* “Digital Additive Manufacturing” organized by ICFAI Tech, Deemed to be University, Hyderabad from 6th to 10th September 2021.
30. Dr. V. Dhana Raju *has participated in a faculty development program on* “Electric Vehicles: Challenges and Opportunities in Future India” organized by RMK College of Engineering, Thiruvallur from 20th to 24th September 2021.
31. Dr. M. B. S. Sreekara Reddy *has participated in a faculty development program on* “Digital Additive Manufacturing (3D Printing)” organized by ICFAI Tech, Deemed to be University, Hyderabad from 6th to 10th September 2021.
32. B. Chaitanya *has participated in a faculty development program on* “Product Design and Drafting by CATIA (APSSDC)” organized by APSSDC, Tadepalli, Guntur from 16th August to 1st September 2021.
33. B. Sudheer Kumar *has participated in a faculty development program on* “Vibration and Condition Monitoring (VACM-2021)” organized by Vasavi College of Engineering, Hyderabad from 20th to 24th September 2021.
34. B. Sudheer Kumar *has participated in a faculty development program on* “Research Tools & Methodologies” organized by Lendi Institute of Engineering & Technology, Vizianagaram from 27th September to 1st October 2021.
35. A. Naresh Kumar *has participated in a faculty development program on* “Fundamentals of Automotive Systems” organized by IIT Madras, Chennai.
36. A. Nageswara Rao *has participated in a faculty development program on* “Product Design and Drafting by CATIA” organized by APSSDC, Tadepalli, Guntur from 16th August to 1st September 2021.

37. B. Kamala Priya has participated in a faculty development program on “Product Design and Drafting by CATIA” organized by APSSDC, Tadepalli, Guntur from 16th August to 1st September 2021.
38. A. Dhanunjay Kumar has participated in a faculty development program on “Machine Learning with Python” organized by APSSDC, Tadepalli, Guntur from 16th August to 1st September 2021.
39. B. Dyva Isac Prem Kumar has participated in a faculty development program on “Pedagogy Techniques for Effective Teaching Learning (PTETL-2021)” organized by IQAC, Lakireddy Bali Reddy College of Engineering, Mylavaram from 13th to 17th September 2021.
40. K. Venkateswara Reddy has participated in a faculty development program on “Vibration and Condition Monitoring (VACM-2021)” organized by Vasavi College of Engineering, Hyderabad from 20th to 24th September 2021.
41. K. Venkateswara Reddy has participated in a faculty development program on “Recent Trends in Thermal Engineering” organized by SR Gudlavalleru Engineering College, Gudlavalleru from 6th September to 10th September 2021.
42. K. Sai Babu has participated in a faculty development program on “Vibration and Condition Monitoring (VACM-2021)” organized by Vasavi College of Engineering, Hyderabad from 20th to 24th September 2021.
43. K. Srinivasa Rao has participated in a faculty development program on “Recent Trends in Thermal Engineering” organized by SR Gudlavalleru Engineering College, Gudlavalleru from 6th September to 10th September 2021.
44. K. Karthik has participated in a faculty development program on “Advanced Surface Design by CATIA” organized by APSSDC, Tadepalli, Guntur from 16th August to 1st September 2021.
45. K. Karthik has participated in a faculty development program on “Recent Trends in Thermal Engineering” organized by SR Gudlavalleru Engineering College, Gudlavalleru from 6th September to 10th September 2021.
46. K. Karthik has participated in a faculty development program on “Pedagogy Techniques for Effective Teaching Learning (PTETL-2021)” organized by IQAC, Lakireddy Bali Reddy College of Engineering, Mylavaram from 13th to 17th September 2021.

47. A. Pratyush has participated in a faculty development program on “Recent Trends in Thermal Engineering” organized by SR Gudlavalleru Engineering College, Gudlavalleru from 6th September to 10th September 2021.
48. A. Pratyush has participated in a faculty development program on “Pedagogy Techniques for Effective Teaching Learning (PTETL-2021)” organized by IQAC, Lakireddy Bali Reddy College of Engineering, Mylavaram from 13th to 17th September 2021.
49. P. Mounika has participated in a faculty development program on “Pedagogy Techniques for Effective Teaching Learning (PTETL-2021)” organized by IQAC, Lakireddy Bali Reddy College of Engineering, Mylavaram from 13th to 17th September 2021.
50. A. J. S. A. V. Vara Prasad has participated in a faculty development program on “Recent Trends in Thermal Engineering” organized by SR Gudlavalleru Engineering College, Gudlavalleru from 6th September to 10th September 2021.
51. A. J. S. A. V. Vara Prasad has participated in a faculty development program on “Vibration and Condition Monitoring (VACM-2021)” organized by Vasavi College of Engineering, Hyderabad from 20th to 24th September 2021.
52. M. Oliva has participated in a faculty development program on “Metal Additive Manufacturing for Aerospace” organized by Ballari Institute of Technology and Management, Ballari on 25th September 2021.
53. B. Dyva Isac Prem Kumar has participated in a short-term training program on “Hybrid & Electric Vehicle Technologies for Sustainable Mobility (HEVTSM-2021)” organized by Maharaj Vijayaram Gajapathi Raj College of Engineering (A), Vizianagaram, Andhra Pradesh from 28th June to 3rd July 2021.
54. S. Srinivasa Reddy has participated in a short-term training program on “Emerging Technologies in Electric Vehicles” organized by Bapatla Engineering College, Bapatla from 2nd to 14th August 2021.
55. K. Narayana has participated in a short-term training program on “Emerging Technologies in Electric Vehicles” organized by Bapatla Engineering College, Bapatla from 2nd to 14th August 2021.
56. K. Karthik has participated in a short-term training program on “Emerging Technologies in Electric Vehicles” organized by Bapatla Engineering College, Bapatla from 2nd to 14th August 2021.

57. K. Sai Babu has participated in a short-term training program on “Emerging Technologies in Electric Vehicles” organized by Bapatla Engineering College, Bapatla from 2nd to 14th August 2021.
58. V. Sankararao has participated in a short-term training program on “Advanced Vibrations – Various Engineering Applications with Hands-on Sessions (Phase-II)” organized by JNTUK Kakinada, Kakinada from 27th September to 2nd October.
59. K. Venkateswara Reddy has participated in a short-term training program on “Advanced Vibrations – Various Engineering Applications with Hands-on Sessions (Phase-II)” organized by JNTUK Kakinada, Kakinada from 27th September to 2nd October 2021.
60. A. J. S. A. V. Vara Prasad has participated in a short-term training program on “Advanced Manufacturing Technology Processes & Applications” organized by E.G.S. Pillay Engineering College, Nagapattinam, Tamil Nadu from 13th August to 17th September 2021.
61. A. Nageswara Rao has participated in a workshop on “Enhancing Competitiveness in Contemporary Research Methods” organized by National Institute of Technology, Tiruchirappalli from 5th July to 14th July 2021.

WEBINARS ATTENDED BY FACULTY

1. Jonnala Subba Reddy has participated in a webinar on “Role of Alumni and Parents in the NAAC Accreditation Process” organized by Internal Quality Assurance Cell of S R Narasapur Arts and M B Shirur Commerce College, Bagalkot on 14.07.2021.
2. Ch. Siva Sankara Babu has participated in a webinar on “Research paper writing for Ph.D scholars” organized by Research Graduate Team on 11-07-2021.
3. K. Sai Babu has participated in a webinar on “3D Printing - Defence and Aerospace Applications” organized by Vignan's University, Vadlamudi, Guntur on 02.07.2021.
4. Jonnala Subba Reddy has participated in a webinar on “Career in Armed Forces” organized by Rajiv Gandhi Institute of Technology, Mumbai on 07-08-2021.
5. Dr. P. Vijay Kumar has participated in a webinar on “Research Metrics and Software Tools” organized by Lakireddy Bali Reddy College of Engineering, Mylavaram on 20-09-2021.
6. Dr. V. Dhana Raju has participated in a webinar on “Research Metrics and Software Tools” organized by Lakireddy Bali Reddy College of Engineering, Mylavaram on 20-09-2021.

7. Dr. M. B. S. Sreekara Reddy *has participated in a webinar on* “Research Metrics and Software Tools” organized by Lakireddy Bali Reddy College of Engineering, Mylavaram on 20-09-2021.
8. Jonnala Subba Reddy *has participated in a webinar on* “Research Metrics and Software Tools” organized by Lakireddy Bali Reddy College of Engineering, Mylavaram on 20-09-2021.
9. Ch. Siva Sankara Babu *has participated in a webinar on* “Role of CFD in Manufacturing Processes” organized by Poornima College of Engineering, Jaipur on 18-09-2021.
10. V. Sankararao *has participated in a webinar on* “Research Metrics and Software Tools” organized by Lakireddy Bali Reddy College of Engineering, Mylavaram on 20-09-2021.
11. B. Udaya Lakshmi *has participated in a webinar on* “Research Metrics and Software Tools” organized by Lakireddy Bali Reddy College of Engineering, Mylavaram on 20-09-2021.
12. B. Kamala Priya *has participated in a webinar on* “Research Metrics and Software Tools” organized by Lakireddy Bali Reddy College of Engineering, Mylavaram on 20-09-2021.
13. A. Naresh Kumar *has participated in a webinar on* “Research Metrics and Software Tools” organized by Lakireddy Bali Reddy College of Engineering, Mylavaram on 20-09-2021.
14. S. Rami Reddy *has participated in a webinar on* “Research Metrics and Software Tools” organized by Lakireddy Bali Reddy College of Engineering, Mylavaram on 20-09-2021.
15. S. Snigdha *has participated in a webinar on* “Research Metrics and Software Tools” organized by Lakireddy Bali Reddy College of Engineering, Mylavaram on 20-09-2021.
16. K. Venkateswara Reddy *has participated in a webinar on* “Research Metrics and Software Tools” organized by Lakireddy Bali Reddy College of Engineering, Mylavaram on 20-09-2021.
17. K. Karthik *has participated in a webinar on* “Research Metrics and Software Tools” organized by Lakireddy Bali Reddy College of Engineering, Mylavaram on 20-09-2021.
18. A. Pratyush *has participated in a webinar on* “Research Metrics and Software Tools” organized by Lakireddy Bali Reddy College of Engineering, Mylavaram on 20-09-2021.

PATENTS GRANTED/PUBLISHED

Name of the Inventors	Patent Number	Title of the Patent	Agency	Date of Published
B.Chaitanya	374617	Vehicle Deceleration Indicating System (Granted)	IP India	16.08.2021

Annamalai, K, Chakrabarti Tulika, Gyara Ajay Kumar, Battula Sudheer Kumar, Chinka Siva Sankara Babu, Chinnam Dilip Shyam Prakash, Mandru Suresh Kuma, Sanaka Rajita, Jaglan Vivek, Hati Ananda Shankar, Chakrabarti Prasun and Kaur Gurusharan	2021102847	Lateral and Longitudinal displacement measurement of tire cornering stiffness of All Terrain Vehicle using Recursive Least Square technique	Commissioner of Patents, IP Australia	07.07.2021
Dr. M.Ramarao Dr. S. Senthil Kumar Mr. T Ch Anil Kumar Mr. N. Lingeshwaran Mr. Nagaraja T. K Mr. Amol L. Mangrulkar Mr. R. Sarweswaran Mr. Kanulla Karthik Dr. Moti Lal Rinawa Dr. Sanjay Kumar. S. M Mr. Channabasav Mr. Parthasarathy. K	202141027064 A	Study Of The Behaviour And Performance Of A Solar Steam Turbine By Calculating Three Variants Based On The Available Technologies	IP India	02.07.2021
Annamalai, K, Chakrabarti Tulika, Gyara Ajay Kumar, Battula Sudheer Kumar, Chinka Siva Sankara Babu, Chinnam Dilip Shyam Prakash, Mandru Suresh Kuma, Sanaka Rajita, Jaglan Vivek, Hati Ananda Shankar, Chakrabarti Prasun and Kaur Gurusharan	2021102847	Lateral and Longitudinal displacement measurement of tire cornering stiffness of All Terrain Vehicle using Recursive Least Square technique	Commissioner of Patents, IP Australia	07.07.2021
K.Lakshmi Prasad	202141033541 A	IOT based smart control and Monitor various aspects of automobile system	IP India	06.08.2021

STUDENTS QUALIFIED IN GATE/CAT/IELTS/GRE/TOEFL, etc

S.No.	Name of the student	Roll No	Qualified Exam	Qualified exam Hall Ticket No.	Score
1.	Bonthu Shiva Rama Krishna	17761A0308	GRE	8808194	320

2.	Guntupalli Sumanth	17761A03D2	GRE	9454703	323
3.	Pedarla Lakshmi Prasanna	16761A0346	Duolingo	Pzjj4d2q	125
4.	Pedarla Lakshmi Prasanna	16761A0346	GRE	8543712	272
5.	Avanigadda Anil	17761A0301	GRE	9722749	318
6.	Poliseti Venkata Sai	17761A03E9	Duolingo	6xgymqq8	115
7.	Chinni Siva Srinivasa Rao	17761A0313	TOEFL	6182908214827813	97
8.	Chinni Siva Srinivasa Rao	17761A0313	GRE	9662981	333
9.	Muppidi Joshua Paul	17761A0335	IELTS	140883	6.5
10.	Bandaru Gopi	18765A0316	TSPGECET	9304142966	51/105
11.	Gogineni Rajesh	13761A0313	TOEFL	5835209214948727	98
12.	Gogineni Rajesh	13761A0313	GRE	9756066	315
13.	Vajrala Sandhya	13761A0357	GRE	9756044	316
14.	Vajrala Sandhya	13761A0357	TOEFL	1535609214948662	97

STUDENTS JOINED IN HIGHER STUDIES

S.No.	Name of the student	Roll No	Name of Course	Institute, Place
1.	Pedarla Lakshmi Prasanna	16761A0346	MS	Kennesaw State University, US

STUDENTS PARTICIPATED IN NSS

S.No.	Student Name	Name of Activity	Duration	Place
1	O.Srinivas	Tree Plantation	1 day (24.09.2021)	LBRCE, Mylavaram
2	T.Rohith Vijaya Sai	Tree Plantation	1 day (24.09.2021)	LBRCE, Mylavaram
3	V.Mahesh	Tree Plantation	1 day (24.09.2021)	LBRCE, Mylavaram
4	S.Chaitanya	Tree Plantation	1 day (24.09.2021)	LBRCE, Mylavaram
5	Sadhana	Tree Plantation	1 day (24.09.2021)	LBRCE, Mylavaram



IIIrd year students are participated in planting the saplings



Tree plantation by students and faculty organized by NSS unit

ACKNOWLEDGEMENTS

The department expresses sincere thanks to all faculty, technical staff and students for contribution towards the technical magazine- mech pulse.

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LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING
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Accredited by NAAC & NBA under Tier - I
Approved by AICTE and Permanently Affiliated to JNTUK, Kakinada

Mechanical Engineering E-Magazine (LBRCE)