

## LANKA RAMESH

**Department:** Mechanical Engineering

**College:** Gudlavalleru Engineering College

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**RESIDENTIAL ADDRESS:** s/o Ratnam, d.no:5-8-58, Tenali Vari Street, Ithanagar , Tenali, Guntur district , Andhra pradesh-522202.

### ACADEMIC QUALIFICATIONS:

B.Tech –Mechanical at GITAM College in Visakhapatnam,

M.Tech –Machine Design at NIT-Rourkela

Ph. D pursuing in Andhra University

### ACADEMIC REWARDS / ACHIEVEMENTS:

- ❖ Got All India Gate Rank 4428
- ❖ Got best teacher award SASI Engineering College

### PROFESSIONAL EXPERIENCE:

Designation	Institution	Period
ASSISTANT PROFESSOR	SASI ENGINEERING COLLEGE	2008 to 2010
ASSISTANT PROFESSOR	LAKI REDDY BALI REDDY ENGINEERING COLLEGE	2010 to 2012
ASSISTANT PROFESSOR	K L UNIVERSITY	2012 to 2014 1.7 YEAR
ASSISTANT PROFESSOR	GUDLAVALLERU ENGINEERING COLLEGE	2014 to Till date

## PROJECTS GUIDED:

Ph. D	Post-Graduation	Under Graduation
NIL	3	6

**SPECIALIZATION:** Machine Design

**RESEARCH PAPERS / BOOKS:** NIL

**BOOKS PUBLISHED IN PUBLICATIONS:** NIL

## PAPERS PUBLISHED IN JOURNALS:

1. **Mr. L. Ramesh: Accurate Characterization of Crack in Beam-Like Structures Using Square of Curvature Mode Shape: Without Baseline Data**, Journal of Mechanical Engineering Research & Developments (JMERD), Volume 42, Issue 2, 20 March 2019,58-66. (*Scopus Indexed journal*)
2. **Mr. L. Ramesh: Vibration-Based Damage Detection of Beam-Like Structures Using Discrete Wavelet Transform**, Applied Engineering Letters, Vol.3, No.4, 115-123(2018), e-ISSN: 2466-4847 (*Scopus Indexed journal*)
3. **Mr. L. Ramesh: Damage Detection in Structural Beams Using Model Strain Energy Method and Wavelet Transform Approach**, Elsevier Materials today: proceedings 5(9):19565-19575. (*Scopus Indexed journal*)
4. **Mr. L. Ramesh: Vibration Analysis of an Un-cracked & Cracked Fixed Beam by using analytical and FEM**, SSRG International Journal of Mechanical Engineering (SSRG-IJME) –Special Issue May -2017, SSN: 2348 –8360.
5. **Mr. L. Ramesh: Crack Detection in Structural Beams by using Curvature Mode Shapes**, International Journal of Advance Research And Innovative Ideas In Education, July 2016, 03(02):2349-6010
6. **Mr. L. Ramesh: Experimental and Finite Element Model Analysis of an un-cracked and cracked Cantilever beam**, International Journal of Advanced Technology and Engineering Exploration, January 2016,3(1):1266-1274

## PAPERS PUBLISHED IN CONFERENCES/WORKSHOPS:

- ❖ Participated in 8<sup>th</sup> International conference on material processing and Characterization(ICMPC2018) “ **Damage detection in structural beams using model strain energy method and wavelet transform approach**” conducted by the Department of Mechanical Engineering, Gokaraju Rangaraju Institute of Engineering and Technology (GRIET), Hyderabad, Telangana in

Collaboration with Maulana Azad National Institute of Technology (MANIT), Bhopal, M.P, during 16-18 March, 2018.

### **LIST OF WORKSHOPS ORGANIZED:**

- ❖ One Day workshop on Outcome based education for faculty with the resource person **Dr. A. Venu Gopal** Professor, NITW, Warangal, organized by the Department of Mechanical Engineering, on 9 December, 2017.

### **LIST OF WORKSHOPS /CONFERENCES /SEMINARS ATTENDED:**

- ❖ Two Day Faculty Development Programme on “**Advances in Manufacturing**” with the resource persons Dr. A. Krishnaiah, Professor, College of Engineering, Osmania University, Hyderabad, Dr. K. Siva Prasad, Associate Professor, NIT-Trichy, Dr. C. Sathiyarayanan, Associate Professor, NIT-Trichy, Dr. P. Vamsi Krishna, Associate Professor, NIT-Warangal and Dr. G. Venkatesh, Assistant Professor, NIT-Warangal during 16 - 17 November 2018.
- ❖ Five-day faculty development program on “**Industrial Robotics**” conducted by APSSDC-SIEMENS Projects at APSSDC-SIEMENS Centre of Excellence, V.R Siddhartha Engineering College, Vijayawada, during 23-27 April 2018.
- ❖ Two-day National workshop on “**Recent advances in structural health monitoring (RASHM-2016)**” organized by department of Mechanical Engineering, Andhra University, Visakhapatnam, 25-26 October 2016.
- ❖ Two-day workshop on “**Finite Element Analysis of structures (FEAST) Software**” jointly organized by PVP Siddhartha Institute of Technology, Vijayawada and Indian Society of Systems for Science and Engineering (ISSE)-Amaravati Chapter and India Space Research Organization (ISRO) on 3-4 August 2017.
- ❖ One-week faculty development programme on “**MATLAB applications in mechanical Engineering**” gudlavalleru engineering college during 7-11 September 2015.
- ❖ A one-week workshop on “**Training Program on ANSYS**” organized by the Department of Mechanical and Civil Engineering, Gudlavalleru Engineering College during 22-27 June 2015.
- ❖ Participated in the two-day National Seminar on “**Metallurgy for Non-Metallurgists**” organized by TRA Education & Research Foundation, Hyderabad and Department of Metallurgical, Hyderabad and Materials at Mahatma Gandhi Institute of Technology Hyderabad during 29-30 of January, 2015.
- ❖ One-week teachers training programme on “**Training Teachers for Excellence**” gudlavalleru engineering college during 22-24 August 2014 and 1-3 January 2015.
- ❖ Two-days workshop on “**Recent Trends in Manufacturing Process**” organized by the mechanical engineering department, Gudlavalleru Engineering College, 27-28 June 2014
- ❖ One-week faculty development Program on “**Faculty training program on effective communication skills**” organized by the mechanical engineering department, K.L. University, during 7-12 January 2013.

- ❖ A one Day National workshop on “**Alternative Energies-A Thrust on Solar Thermal & photo Voltaic**”, in K L University, Vadeswaram, on 28 December 2012.
- ❖ One Week workshop on “**Advanced Mission 10X faculty empowerment workshop**” sponsored by **Wipro Mission**, LBRCE, Mylavaram during 19-20, Jan 2012.
- ❖ One Week workshop on “**Mission 10X faculty empowerment workshop**” sponsored by **Wipro Mission**, LBRCE, Mylavaram during 15-19, Nov 2011.
- ❖ Two days AICTE sponsored seminar on “**applications of finite elements methods in engineering**” gudlavalleru engineering college during 8-9 July 2011.
- ❖ one day workshop on “**research opportunities for women and young scientists in Engineering science and technology**” LBRCE, Mylavaram, 18 December 2010.
- ❖ Two-week staff development program on “**Imparting Soft Skills and Modern Teaching Methods to the Engineering College Faculty Members**” organized by the SASI Engineering College, Tadepalligudem, Andhra Pradesh, during 5-16 April 2010.

### **CERTIFICATIONS:**

- ❖ A certification course on “**Engineering Mechanics: Statics And Dynamics**” organized by National Programme on Technology Enhanced Learning, during 28 January 2019- 31 March 2019(8 weeks) and secured **Elite** with 64%
- ❖ A certification course on “**Introduction to Mechanical Vibration**” organized by National Programme on Technology Enhanced Learning, during 5 Feb 2018- 30 March 2018(8 weeks) and secured **Elite plus Gold** with 92%
- ❖ A certification course on “**Engineering Mechanics: Statics And Dynamics**” organized by National Programme on Technology Enhanced Learning, during 5 Feb 2018- 30 March 2018(8 weeks) and secured **Elite** with 65%
- ❖ A certification course on “**Strength of Materials**” organized by National Programme on Technology Enhanced Learning, during 30 July,2018- 28October,2018 (12 weeks) and secured **Elite** with 78%
- ❖ A certification course on “**Mechanics of solids**” organized by National Programme on Technology Enhanced Learning, during 24 July 2017- 13 October 2017 (12 weeks) and secured **Elite** with 75%
- ❖ A certification training course on “**Auto CAD Level-I** ” offered by NIT-Rourkela and secured **Grade-A** in final examination

### **GUEST LECTURES DELIVERED: NIL**

### **MEMBERSHIP IN PROFESSIONAL BODIES:**

MIE(M-1637090)