

Curriculum Vitae

1. Name : Dr. K. Lakshmi Chaitanya
2. Date of Birth : 29-05-1981
3. Designation : Asst. Professor
4. Department : Mechanical Engineering
5. Name of Institution : R.V.R. & J.C. College of Engineerin
6. Field of Specialization : CAD/CAM

7. Academic Qualifications (Graduation onwards):

Degree	University/ Institution	Division/ Equivalent	Year of Passing	Specialization
PhD	Acharya Nagarjuna University	Awarded	2024 Feb	Composite Materials
M.Tech	RVR&JCCE/ Nagarjuna Uty	First Class/ Distinction	2006	CAD/CAM
B.Tech	D.S.G.I.E.T, Markapur	First Class	2004	Mechanical Engineering
Intermediate	Vikas Junior College	First Class/ Distinction	1998	M.P.C

8. Teaching Experience : **17 years**

S. No.	Universities/College	Designation	Period
1	RVR&JCCE/ Nagarjuna Uty	Asst. Professor	8-11-2008 onwards
2	Narsaraopet Engineering College, Narsaraopet	Asst. Professor	14-08-2005 to 06-11- 2008

9. Industrial Experience : **1 year**

S.No.	Organization / Employer	Designation	Period
1.	CAD Technologies	Design Engineer	6-10-2002 to 18-11- 2003

10. Areas of Interest:

Composites, Robotics, Cad Cam, Automation, Mechatronics.

11. Subjects Taught:

- Engineering Graphics
- Metallurgy & Material Science
- Design of machine elements-I
- CNC& automation
- Robotics
- Mechatronics
- Applied mechanics& mechanical engineering
- Hydraulic machines
- Production technology
- Computer aided design
- Basic elements of Mechanical Engineering

12. Publications:

INTERNATIONAL JOURNALS	15
BOOK'S PUBLISHED	2
WORKSHOPS/CONFERENCES ATTENDED	25

International Journals:

1. Chaitanya, K.L., Srinivas, K. “ Evaluation of Mechanical Behavior And Effect Of Particle Size On Lm26/Gr Metal Matrix Composite”, 2023, 30(1), 010197.
2. Konda, L.C., Srinivas, K. “ Evaluation of Wear Behavior Based on Mechanical Properties and Particle Size in LM26 MMC” Strojnický Casopis this link is disabled, 2022, 72(2), pp. 93–102
3. Chaitanya, K.L. Kolla, S. “ Sensitive Analysis on Selection of Piston Material Using MADM Techniques” Strojnický Casopis this link is disabled, 2019, 69(4), pp. 45–56
4. SK.Ansar Subhani, K.Lakshmi Chaitanya, Kolla Srinivas, N.Pragna, SK.Ansar Jilani “Implementation of VIKOR Method for Selection of Ideal Piston Material Alloy Subjected to Different Criteria Weighting Methods” International Journal of Management, Technology And Engineering Volume IX, Issue VIII, AUGUST/2019 ISSN NO : 2249-7455

5. T. Kranthi kumar, k. Lakshmi chaitanya, k. Srinivas, n. Pragna “Assessment of Thermal Strains based on Temperature Distribution of LM26 Composite by FEA” © 2019 IJRAR June 2019, Volume 6, Issue 2 www.ijrar.org (E-ISSN 2348-1269, P- ISSN 2349-5138) International Journal of Research and Analytical Reviews (IJRAR)
6. KS K. Lakshmi Chaitanya* A Review On Use Of Lm Based Aluminium Alloys In Automobile Components American International Journal Of Research In Science, Technology 2018/9
7. K. Lakshmi Chaitanya*, K. Srinivas, S. Venkateshwar Rao, Crash and Vibrational Analysis of Car Body, Trends in Mechanical Engineering & Technology ISSN: 2231-1793 (Online), ISSN: 2347-9965 (Print) Volume 7, Issue 2
8. K.Lakshmi Chaitanya,k.srinivas, k.jagadish Chandra Bose, Design of Ventilation and Air conditioning for 50 Ton Bollard Pull Utility Tug Built for Indian Navy , journal of - Refrigeration, Air Conditioning, Heating and Ventilation, ISSN:2394-1952(online), vol-3, issue-1
9. S. Radhika, Ch. Srinivasa Rao, K. Lakshmi Chaitanya, M. Vijaya: “Evolutionary Optimization in MPS: A Brief Review”, Journal of Production Research and Management, Vol.4, No.1 (2014), pp 13 – 21. ISSN: 2249 – 4766.
10. J.P.Karthik, K.Lakshmi Chaitanya, C.Tarasasanka, “ Life assessment of parabolic spring under cyclic stress and cyclic strain using Finite element Method”, published in International Journal of Mechanical and Industrial Engineering (IJMIE), ISSN No: 2231-6477, vol-2, Issue-1, 2012 pp:36-43.
11. J.P.Karthik, K.Lakshmi Chaitanya, C.Tarasasanka, “Fatigue Life Prediction of a Parabolic Spring under Non-constant Amplitude Proportional Loading using Finite Element Method”, published in International Journal of Advanced Science and Technology Vol. 46, September, 2012 pp:143-156.

BOOK’S PUBLISHED

- “ADVANCED MANUFACTURING TECHNOLOGY”, Khanna publishers, 2008
- “FATIGUE LIFE PREDICTION OF A PARABOLIC SPRING UNDER NON-CONSTANT AMPLITUDE PROPORTIONAL LOADING USING FINITE ELEMENT METHOD”, Lambert Academic Publishing House

CITATIONS: 42 citations for “*Fatigue Life Prediction of a Parabolic Spring under Non-constant Amplitude Proportional Loading using Finite Element Method*”.

Workshops/conferences :(attended)

- Participated in an AICTE Recognized Short term course on “Product Design And Development Through ICT conducted by NIT, Chandigarh From November 6th-10th
- Participated in an AICTE Recognized Short term course on “ OPTIMISATION USING MATLAB THROUGH ICT conducted by NIT, Chandigarh
- Participated in an AICTE approved FDP, on Foundation Program in ICT For Education at IIT Bombay Remote Center, during August 3-September 17 2017
- Participated in an AICTE approved FDP, on Pedogogy For Online and Blended teaching learing process at IIT Bombay Remote Center, during September 14-October 12, 2017
- Two day workshop on recent trends in manufacturing technology at v.r Siddhartha engineering college, Vijayawada held during 30th-31st July 2015 under TEQIP-II, S.C. 1. 2.
- Participated in the NI Technology Day at K L University conducted by National Instruments India on 26th&27th march 2015
- DST sponsored National seminar on “Futuristic Trends of Nano Composites and their Fabrication”, at R.V.R.& J.C College of Engineering ,Guntur on 6th & 7th September 2013.
- Attended National Conference on Recent Advances in Mechanical Engineering (NCRAME-2011) at R.V.R & J.C College of Engineering, Guntur-19, and July 7-8, 2011
- “Induction Training For Young Faculty” organized by ISTE Chapter, R.V.R.& J.C College of Engineering ,Guntur on 7th & 8th September 2009.
- “A National level seminar on “Micro Machining” organised by AICTE & R.V.R.& J.C College of Engineering ,Guntur during Dec19th&20th,2008

13. TECHNICAL EXPOSURE:

Design Software’s : AUTO CAD2017, CATIA V5, PRO-E,
Manufacturing software’s: MASTER CAM, CNC
Analysis software’s : ANSYS
Other software’s : CONTROL X, P SIMULATOR , H SIMULATOR

14. Memberships:

Member of International Association of Engineers (IAENG)	126068
Member International Journal of Development and Sustainability (IJDS)	M170929

15. OTHER DUTIES INVOLVED

- **Mechanical Engineering Department Internal Examinations In-Charge**

- **Class In-Charge for UG Students.**

16. GOOGLE SCHOLAR CITATIONS

<https://scholar.google.com/citations?user=Pv2gQWoAAAAJ&hl=en>

17. SCOPUS INDEXED <https://www.scopus.com/authid/detail.uri?authorId=57212577654>

[K. Lakshmi Chaitanya]