

RESUME

V. JYOTSNA KALPANA

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PROFESSIONAL SUMMARY:

Seasoned Assistant Professor with seven years of experience teaching undergraduate and graduate courses. Extensive knowledge of design, synthesis and analysis conventions. Actively participate in continued learning through conferences and professional research. Believe in students' abilities to learn and inherent thirst for knowledge with the right environment. Actively work to connect students to their material to transform lives.

EDUCATIONAL QUALIFICATIONS:

- **Ph.D** : Pursuing **Ph.D** On **Hybrid Nano Composites**
Andhra University (College Of Engineering)- Visakhapatnam
- Master Degree(**M.E**) In **Machine Design**, 01/2013
Andhra University (College Of Engineering)- Visakhapatnam
- Bachelor Degree (**B.E**) In **Mechanical Engineering**, 05/2009 Gitam
Institute Of Technology - Visakhapatnam

ACADEMIC EXPERIENCE:

Possess experience in the field of teaching.

5THJULY 2017- Tilldate : Assistant Professor, Department of Mechanical Engineering in School of Engineering & Technology, SRI PADMAVATHI MAHILA VISVA VIDYALAYAM, Tirupathi, Andhra Pradesh.

17thJAN 2014- 3rdJULY 2017 : Assistant Professor, Department of Mechanical Engineering, VIGNAN INSTITUTE OF ENGINEERING FOR WOMEN, Visakhapatnam, Andhra Pradesh

ROLES AND RESPONSIBILITIES:

- Has undertaken „**Design Thinking**’ Course through EPICS Program Collaborated with Purdue University,Indiana State ,USA.
- Has been the Innovation Coordinator for School of Engineering and Technology,SPMVV.
- Has been a mentor for the project in START UP YATRA.
- Acted as Lab- Incharge of Engineering Workshop and Manufacturing Process Lab.
- Acted as a Coordinator for EPICS Projects.
- Carried out the responsibility as department placement officer.
- Mentoring Students on the periodic basis.
- Honored as a resource person in TBI –SSIEE,SPMVV
- Roled a key play as a Cultural head in National Event of VIRINCHI in SPMVV.

SKILLS IN TEACHING:

- Conducted the subject lectures regularly keep an eye on the understanding of the students
- Carried out practical sessions with explanations about the purpose of the experiment and the procedures followed to seek the results.
- Carried out debate sessions in regular classes to help students to understand the subject better.
- Arranged expert meets for students on the periodic basis to create an interest about the subject.
- Encouraged students to build committees among themselves.

- Provided students with information outside the classroom such as the future projects in the subject, the competitive exams...etc.

INTERNATIONAL JOURNALS:

- **V. JYOTSNA KALPANA**, Design formulation and analysis of overhead water tank: Material used for automatic cleaning mechanism published in Materials Today: Proceedings, 2214-7853/Copyright 2023 Elsevier Ltd.
- **V. JYOTSNA KALPANA**, Investigation on mechanical properties of GFRP with and without aluminium powder published in Materials Today: Proceedings, 2214-7853/Copyright 2023 Elsevier Ltd.
- **V. JYOTSNA KALPANA**, Published a paper entitled “**Design and Analysis of Pole for Hybrid Energy System with LED Street Light**” in Journal of Engineering Sciences (JES), Volume-10, Issue-11, November 2019.
- **V. JYOTSNA KALPANA**, Published a paper entitled “**Performance and Emission Characteristics of Bio- Diesel using Ceramic coated Piston on 4-stroke single cylinder engine**” in International Journals of Advanced Research in Computer Science and Software Engineering ISSN: 2277-128X (Volume-8, Issue-4), April 2018

INTERNATIONAL / NATIONAL CONFERENCE:

- **V. JYOTSNA KALPANA**, presented a paper on “Fabrication And Characterization of Fiber-Reinforced Polymer Hybrid Composite With Varying Volume Percentage Of Gr And CNT Nano Powders” in 5th International e-Conference on Frontiers in Materials Engineering & Nano Technology held at Shri Yashwantrao Patil Science College, Solankur, Pune, during May 05 - 06, 2023
- **V. JYOTSNA KALPANA**, presented a paper on “Investigation on mechanical properties of GFRP with and without aluminium powder” in International Conference on Materials Innovation and Sustainable Manufacturing 2022 organized by Organized by Department of Mechanical Engineering, Vishnu Institute of Technology-Bhimavaram during 20.05.2023.
- Presented a paper entitled “**Performance and Emission Characteristics of Bio-Diesel using Ceramic coated Piston on 4-stroke single cylinder engine**” at Sri Venkatesa Perumal College Of Engineering And Technology on 30th April 2018.

COURSES ATTENDED:

S.NO.	Title of the professional development Programme	Date & Duration
➤	FDP on Introduction to Composites	January-April 2019
➤	IUCEE-EPICS Design Thinking poster presentation	16.07.2018
➤	Completed IUCEE-EPICS Design Thinking Course and project 2018	January-July 2018
➤	Two days workshop on Start-Up Entrepreneurship 2019	23 & 24, Feb 2019
➤	AICTE Sponsored short-term course on FINITE ELEMENT METHODS FOR ENGINEERS FROM ALL DISCIPLINES	26th March to 31th March 2018
➤	IUCEE AP Chapter - EPICS” workshop ,organized by Department of skill department, Entrepreneurship & Innovation, Govt. of AP (APSSDC)	24th to 25th April 2018
➤	DST-SERB sponsored Two day National Seminar on ADVANCES IN NANOTECHNOLOGY IN THE FIELD OF MECHANICAL ENGINEERING	25th and 26th May 2018
➤	International workshop on Water and Waste water treatment	26.06.2020
➤	Modern materials and Industrial automation	20.06.2020 to 25.06.2020
➤	Computational fluid dynamics	18.06.2020 to 20.06.2020
➤	Applied Machine learning and Deep learning (APSSDC }	15.06.2020 to 20.06.2020
➤	Enhancing the Quality of Academic and Sponsored Research	4.06.2020 to 06.06.2020
➤	Virtual Reality and Augmented Reality in Education Perspectives	08.06.2020
➤	Advances in Mechanical engineering	01.06.2020 to 03.06.2020
➤	MATLAB and Simulink in Engineering Education, APSSDC	10/6/2020 to 11/6/2020
➤	International Faculty Development Program on Emerging Research Areas in Engineering ” by the Institution of Engineers (India)	05.06.2020 to 09.06.2020
➤	AICTE Training And Learning	11-06-2020 to
➤	(ATAL) Academy Online FDP on "Robotics"	15-06-2020
➤	Emerging technologies in Robotics	26.05.2020 to 30.05.2020

ACCOMPLISHMENTS:

- Patent published on **Process Of Developing Coatings For High Temperature Operational Equipment.**

PROJECTS GUIDED:

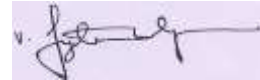
- Guided 5- projects in Mechanical Engineering for under graduate level.
- Guided 3 - projects in Mechanical Engineering for post graduates level.

PERSONAL INFORMATION:

Date of Birth : 01-02-1989
Father's Name : V. VENKATESWARA RAO
Nationality : Indian
Language Fluency : English, Telugu, Hindi

DECLARATION:

I hereby confirm that the above stated information is true to the best of my knowledge.



(V. JYOTSNA KALPANA)

PLACE : Tirupati

DATE : 20.05.2023