

## **RESUME**

**KRISHNA MURTHY PALANKI**

**F.no 301**

**Ma Harivillu Apartments,  
Sagarnagar, Visakhapatnam.**

**Ph.no +91-8019726467.**

**Email id- krishnapalanki26@gmail.com**



### **OBJECTIVE**

**To Enhance and acquire knowledge in Science and Technology thereby improving myself along with the organization with my Teaching and Research Skills.**

### **ACADEMIC DETAILS**

<b>Degree</b>	<b>University/Board</b>	<b>Institute</b>	<b>Percentage Obtained</b>	<b>Year of Passing</b>
M.Tech (Machine Design)	GITAM UNIVERSITY, VISAKHAPATNAM	GITAM INSTITUTE OF TECHNOLOGY	8.25 CGPA	2015
B.Tech (MECHANICAL)	Jawaharlal Nehru Technology University, Kakinada.	JNTU Vizianagaram	78	2013
Intermediate (CLASS XI & XII)	Board Of Intermediate Education, Hyderabad.	Sri Chaitanya Junior College	95.1	2009
SSC (CLASS X)	Board Of Secondary Education, Andhra Pradesh.	Suresh Residential School	83.3	2007

### **ACADEMIC PROJECTS**

#### **B.Tech Mini Project**

**Title : AUTOMOBILE BODY BUILDING AND FABRICATION**

**Details :** This project was done in APSRTC Workshop, Vizianagaram. My project deals in learning about various parts used to build automobile and different types of engines used in it.

### **B.Tech MAIN Project:**

#### **PERFORMANCE TESTS AND COST ESTIMATION ON FOUR STROKE SINGLE CYLINDER DIESEL ENGINE BY USING ALTERNATE FUELS**

The main objectives are-

1. To prepare an alternate fuel using waste vegetable oils, Mahua, plastic.
2. To check for the cost incurred in preparing these fuels.
3. To find the concentration of emissive gases and compare them with conventional fuels.

### **M.Tech MAIN Project:**

#### **INFLUENCE OF EMBIED MOISTURE AND NANOCCLAY ON TENSILE AND STRESS RELAXATION BEHAVIOR OF POLYAMIDE6 MONT MORILLONITE NANOCOMPOSITES**

The main objectives are-

The polymer materials are widely used in Automobile industry. As these vehicle bodies are subjected to different environment conditions those materials should sustain such conditions. For producing such materials in an economical way polymers are used.

1. Preparing the polymer at different MMT compositions.
2. Conditioning them to different environment conditions.
3. Finding out their material properties and failure conditions.
4. Comparing them with conventional materials.

### **PERSONALITY TRAITS**

- Self -motivate and likes to take responsibilities and face challenges.
- Adaptability to new environment.
- Interested in Research field.

### **ACADEMIC TRAITS**

- Participated in national level technical symposium at NIT Warangal AND IIT Kharagapur.
- Achieved 27<sup>th</sup> rank in GITAM Admission Test (GAT) in 2013 exam.
- Selected for Teaching Assistantship from TEQIP and obtained scholarship from MHRD.
- Selected for Tata Consultancy Services (TCS) during campus selection.
- Secured 6<sup>th</sup> rank in APRSET 2019 and registered for Ph.D. in Andhra University.

### **WORKSHOP AND SEMINARS ATTENDED**

1. Attended faculty development program in JNTUK on Engineering Mechanics.
2. Attended a National workshop on Differential equations and Engineering Applications organized by GVP COE Visakhapatnam during 21<sup>st</sup> - 23<sup>rd</sup> December 2016.

3. Attended Quality Improvement Program on Material Tribology: Fundamentals and Recent Advances during 23<sup>rd</sup> – 29<sup>th</sup> March 2017 at IIT Varanasi.
4. Attended a Quality Improvement Program on Introduction to Human Factors Engineering and advanced Cognitive System Design at IIT-Bombay during 26-31, December 2020

### **CERTIFICATION COURSE**

1. NPTEL Certification on “FINANCIAL MATHEMATICS” and secure “ELITE” certificate.
2. ICT Academy Certificate on “AUTOCAD” for participating in the 5 day FDP.

### **PUBLICATIONS**

#### **Paper Publications:**

1. Experimental Investigation on Tensile and Stress Relaxation behavior of Polyamide 6/ Montmorillonite Composite. ISBN (9789386954008)
2. Conceptual Design of Ergonomic Foodtruck Using QFD-GRA-DSM Hybrid Methodology - A Case study, *International Journal of Industrial and Systems Engineering*, (Inderscience) (SCOPUS)[In press]
3. “Mechanical characterization and selection of polyamide nano composites subjected to salt water environment in marine applications”, *Journal of the Institution of Engineers (India): Series C*, (Springer) (SCOPUS) [In press]
4. ‘Prioritization of E-Waste management strategies towards Green computing using AHP-QFD approach, *Proceedings on Engineering Sciences*, Vol.3, No., pp. 33-40

#### **Book Chapters:**

1. QFDBased TOPSIS Methodology for Material selection’, Chapter 8, pp. 169-193, *Handbook of Research on Developments and Trends in Industrial and Materials Engineering*, IGI Global USA. ISBN: 978-179-981-831-1; DOI: 10.4018/978-1-7998-1831-1.ch008

**WORK EXPERIENCE**

S.NO	INSTITUTE	PERIOD	DESIGNATION
1.	RAGHU ENGINEERING COLLEGE	04.05.2015 to 31.10.2016	Assistant professor
2.	GAYATRI VIDYA PARISHAD, SCHOOL OF ENGINEERING	02.11.2016 to till date	Assistant professor

**ACADEMIC AND ADMISTRATIVE RESPONSIBILITIES**

1. Performed duties as Coordinator for Criterion 3 in NBA.
2. Performing Duties as Department Placement Coordinator since Nov, 2016.

**PERSONAL DETAILS**

Name : Krishna Murthy Palanki  
Father's Name : Lakshmoji Rao Palanki  
Father's Occupation : APSRTC Employee  
Date of Birth : 26/03/1992  
Age : 29  
Marital Status : Married  
Languages : Telugu, English  
Address : F.no:301, Ma Harivillu Apt, Sagarnagar Jn, Vskp-31.

**REFERENCES**

1. Dr. Vinod Sharma  
Asst. Professor,  
Mechanical Department,  
VIT - Vellore.  
Ph.no – +919981263331
2. Sri. B. Chandra Mouli,  
Associate Professor  
Mechanical Department,  
RICE Engineering College, Ongole  
Ph.no – +919885616701

**DECLARATION**

I hereby declare that the information furnished above is true to the best of my knowledge.

SIGNATURE

(P. Krishna Murthy)