

# RESUME

**R. BHASKAR REDDY**  
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## **CAREER OBJECTIVE:**

A qualified educational professional having over 7 years of experience in engineering college atmosphere, plus prosperity of familiarity in growth and execution of educational technology tools and applications into classroom, college and region settings looking for opportunity as a academician.

## **ACADEMIC QUALIFICATION :**

### **DOCTOR OF PHILOSOPHY (Ph.D): Pursuing (Part-time)**

Area of Research : COMPOSITE MATERIALS

Institute : GITAM University, Visakhapatnam

### **MASTER OF TECHNOLOGY(M.Tech):**

Specialization : **THERMAL ENGINEERING**

Institute : Siddhartha institute of Engineering and Technology,Puttur  
Chittoor district, Andhrapradesh.

University : JNTUA, Anantapur

Completed : 2014

### **BACHELOR OF TECHNOLOGY(B.Tech):**

Specialization : **MECHANICAL ENGINEERING**

Institute : Srikalahasteswara Institute of Technology (SKIT),  
Srikalahasti, Chittoor district, Andhra Pradesh.

University : JNTUA, Anantapuramu

Completed : 2009

## **PROFESSIONAL EXPERIENCE:**

- June\_2017- Till date** : Assistant professor, Department of Mechanical Engineering in School of Engineering & Technology, Sri Padmavathi Mahila VisvaVidyalayam, Tirupati, Chittoor district, Andhra Pradesh.
- July 2014-June 2017** : Assistant professor, Department of Mechanical Engineering in SKIT, Srikalahasti, Chittoor district, Andhra Pradesh.
- Sep.2011- Dec.2012** : Mechanical site Engineer in Sri Vijaya Engineering & Construction Pvt. Ltd. at Simhapuri Power Plant, Krishnapatnam Port, Nellore district.
- July 2009- Aug.2011** : Production and maintenance engineer in Maharishi Solar Technology Private Limited, B.N Kandriga, Chittoor district, Andhra Pradesh.

## **PROFESSIONAL SERVICE:**

### **Rolls & Responsibilities of Teaching Career:**

- ❖ **Maintenance in-charge** of School of Engineering & Technology, SPMVV since August 2019.
- ❖ **Installation and establishment** of Machine Tools lab equipment in the department of Mechanical Engineering at SOE&T, Tirupati, during 2018-2019.
- ❖ Organized the **Entrepreneurship Awareness Camp** at SOET held at 24 & 25<sup>th</sup>, January 2019.
- ❖ Role of entrepreneurship development cell **committee member** in department of mechanical engineering since June 2018.
- ❖ Role of **APSSDC** committee member in department of mechanical engineering since June 2018.
- ❖ **Installation & Establishment** of Thermal Engineering lab (Internal Combustion Engines) equipment in the department of Mechanical Engineering at SOE&T Tirupati, during 2017-2018.

- ❖ Internal Combustion Engines **Lab in- Charge** from June 2018 to till date at SOET, Tirupati.
- ❖ Discipline committee member from December 2015 to June 2017 at Srikalahasteeswara Institute of Technology, Srikalahasti.
- ❖ Instrumentation and controls system **Lab in- Charge** from July 2015 to December 2015 at SKIT, Srikalahasti
- ❖ Worked as **Project coordinator** from July 2015 to May 2017 at Srikalahasteeswara Institute of Technology, Srikalahasti.

#### **Rolls & Responsibilities of Industry Career:**

- ❖ Procurement of materials & Preparing E-Tender documents.
- ❖ Distribution of workload to team, in order to achieve daily production targets
- ❖ Preparing daily progress report and reviewing of other upcoming projects.
- ❖ Troubleshooting and solving technical problems were done in production department.
- ❖ Installation and handling of Wafer Cutting Machine (Wire Saw) in production department.
- ❖ In-charge of quality control department.

#### **PATENT:**

- ❖ Patent published on Method, Composition of Porous Osteoconductive Scaffolds by 3D Printing.

#### **JOURNALS/ CONFERENCES/WORKSHOPS:**

##### **INTERNATIONAL JOURNALS:**

- ❖ **R. Bhaskar Reddy,** 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.
- ❖ **R. BHASKAR REDDY,** Investigation on mechanical properties of GFRP with and without aluminium powder published in Materials Today: Proceedings, 2214-7853/Copyright 2023 Elsevier Ltd.
- ❖ **R. BHASKAR REDDY,** **Performance Characteristics and analysis of 4-stroke single cylinder diesel engine blend with 50% of Honne Oil at various fuel Injection Pressures.** Published in **IJERA journal**, volume-4, issue-8, August 2014, pg.no.01-11.

- ❖ **R. BHASKAR REDDY**, **Effect of F.I.P on Performance characteristics and Emission Analysis of D.I Diesel Engine Running On Honne Oil and Diesel Fuel Blend.** Published in **IJETST journal**, volume-01, issue-08, October 2014, pg.no.1320-1326.
- ❖ **R.BHASKAR REDDY**, **“Investigation on the Performance of Flaxseed Bio-Diesel Blends With TiO<sub>2</sub> Coated Piston On 4- Stroke D.I diesel Engine”** published in **Journal of mechanical engineering**, Vol. 46, Dec 2016.
- ❖ **R.BHASKAR REDDY**, **“EXPERIMENTAL ANALYSIS OF CAM FOR EVALUATING PERFORMANCE OF COMPRESSED AIR ENGINE WITH PETROL ENGINE ”** published in **IJEETE** Vol. 04, Issue 01, JAN- FEB, 2017 Pg. 22 – 27
- ❖ **R.BHASKAR REDDY**, **“Performance and Emission Characteristics of Bio-Diesel Blends With Diesel Using Ceramic Coated Piston On 4- Stroke Single Cylinder Engine”** published in **IJTRD** Vol. 04, Issue 01, ISSN: 2394-9333 JAN- FEB, 2017.
- ❖ **R.BHASKAR REDDY**, **“Performance and Emission analysis of Bio-Diesel fuel With Titanium-Oxide Coated Piston On 4- Stroke D.I diesel Engine”** published in **Engenharia termica (Thermal Engineering)**,Vol. 16, Issue 01,JUNE,2017.
- ❖ **R.BHASKAR REDDY**, **“Experimental investigations on the mechanical properties of Coconut coir and Egg shell powder Polymer composites”** published in **Elixir Mechanical Engineering**, Vol. 108, ISSN:2229-712x,JULY,2017.

#### **INTERNATIONAL CONFERENCE:**

- ❖ **R. Bhaskar Reddy**, presented a paper on **“Design formulation and analysis of overhead water tank: Material used for automatic cleaning mechanism”** 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.
- ❖ **R. Bhaskar Reddy**, 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

- ❖ **R. Bhaskar Reddy**, presented a paper on Enhancement of “**Thermo-Mechanical Properties of Polymer composite with CNT and Graphene Nano-Fillers**” in international conference on Emerging Research in Science, Engineering & Management (ERSEM 2023) held at Sai Rajeswari institute of Technology, Prodduturu during 19-20, May 2023.
- ❖ **R. BHASKAR REDDY**, presented a paper on “**Comparison of performance and emission characteristics of biodiesel as a alternative fuel with ceramic coated piston on 4-stroke D.I diesel engine**” International Conference on Emerging Trends in Engineering, Sciences and Technologies (**ICETEST-2017**) held at Sri Venkateswara University College of Engineering, Tirupathi, Andhra Pradesh during 18- 20 March-2017.
- ❖ **R. BHASKAR REDDY**, presented a paper on “**Ceramic coating of piston top surface through HVOF technique using FE analysis**” International Conference on Emerging Trends in Basic Sciences, Engineering Technologies and Management Sciences(**ICETBSETMS-2016**) organized by Anveshana Educational and Research Foundation held during 23-july-2016 at hotel BLISS in TIRUPATI.

#### **NATIONAL CONFERENCE:**

- ❖ **R.BHASKAR REDDY**, 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 30<sup>th</sup> April 2018.
- ❖ **R.BHASKAR REDDY**, presented a paper on “**Analyse the Performance And Emission Characteristics Of canola oil blends with diesel using Ti-O<sub>2</sub> coated piston and a 4-stroke single cylinder water cooled Diesel Engine**” National Conference on recent advances in Mechanical engineering,RAME-2K15 on 19-december-2015, Sri Venkateswara College of Engineering & Technology, Chittoor, India.
- ❖ **R. BHASKAR REDDY**, presented a paper on “**Performance And Emission Characteristics Of DI Diesel Engine Running On Honne Oil Blend With**

**Diesel With The Effect Of Fuel Injection Pressure”** National Conference on Emerging Research and Advances(ERA)in Mechanical Sciences, ERA2014 March 28, 2014, Velammal Engineering College, Chennai, India.

**COURSES ATTENDED:**

- ❖ Participated in **DST-SERB** sponsored Two day National Seminar on **“ADVANCES IN NANOTECHNOLOGY IN THE FIELD OF MECHANICAL ENGINEERING”** organized by Department of Mechanical Engineering, **SV College of Engineering**, Tirupati, during 25<sup>th</sup> and 26<sup>th</sup> May 2018.
- ❖ Participated in an AICTE Sponsored short-term course on **“FINITE ELEMENT METHODS FOR ENGINEERS FROM ALL DISCIPLINES”** organized by department of Mechanical Engineering in **IIT MADRAS** from 26<sup>th</sup> MARCH to 31<sup>th</sup> MARCH 2018.
- ❖ Participated in an AICTE Sponsored short-term course on **“Techniques in Multi-scale Modeling (TM<sup>2</sup>)”** organized by department of Mechanical Engineering in **IIT MADRAS** from 05<sup>th</sup> September to 10<sup>th</sup> September 2016.
- ❖ Participated a **TWO-DAYS national workshop on “Advanced Finite Element Applications in Design”** organized by department of Mechanical Engineering in Sree Vidyanikethan Engineering College(Autonomous) at Tirupathi from 01<sup>st</sup> September to 02<sup>nd</sup> September 2016.
- ❖ Participated in **ONE DAY workshop on “Wind Energy Conversion Systems”** held on **13.04.2016** conducted under AP RUSA at department of electrical engineering, JNTUA college of engineering, Ananthapuramu.
- ❖ Participated in **ONE-DAY International Work Shop ON “I.C Engines Assembling & Dismantling” (STROKE-2015)** held on 3.10.2015 at Top Engineers, Puducherry-605010.
- ❖ Participated in the comprehensive training program on **“CNC Turning and Milling”** by MTAB Technology Private Limited, SKIT from 22-09-2015 to 26-09-2015.
- ❖ Participated in **ONE DAY seminar on “Principles and Applications Of Computational Fluid Dynamics & Modern Controls”** held on **22.02.2014** at SVP CET, Puttur-517583.

## **ACHIEVEMENTS:**

- ✓ Member in **BOARD OF STUDIES** for Siddhartha Engineering College, Puttur, Chittoor District.
- ✓ IRED membership for academics
- ✓ IAENG International Association of Members membership for Mechanical Engineering.

## **PERSONAL PROFILE:**

Name : R.Bhaskar Reddy  
Father's Name : R. Rambathi Reddy  
Date of Birth : 20<sup>th</sup> May 1987  
Gender : Male  
Religion : Hindu  
Nationality : Indian  
Marital status : Married  
Passport No : H8153260  
Languages Known : Telugu, English

I would like to be a part of team which may allow me to expand my Technical Capabilities, visionary qualities, ability to think ahead, setting goals, self-motivation, and ability to drive myself forward, Willingness to learn something new and renew to achieve the goal along with team.

**Place : Tirupati**

**Date : 20.05.2023**

R. Bhaskar Reddy

**(R.BHASKAR REDDY)**