

## RESUME

1. Name : **J. Paul Rufus Babu**
2. Father's Name : **J. Samuel**
3. Date of Birth : **03-06-1988**
4. Address for Communication : **D.no – 3/99-G,  
LIC Colony,  
JNTUA Road,  
Ananthapuramu**
5. Phone : **9490054977**
6. E-Mail : **rufus.paull@gmail.com**
7. Educational Qualifications : **M.Tech**
8. Teaching Experience : **09 years**

### Academic Details:

| <b>Exam Passed</b>              | <b>University/Board</b>   | <b>Year of Passing</b> | <b>% Marks</b> | <b>Division</b> |
|---------------------------------|---|------------------------|----------------|-----------------|
| M.Tech.<br>(Heat Power<br>R&AC) | JNTUCEA, J.N.T.<br>University Anantpaur<br>(A.P.) India.  | 2011                   | 70%            | Distinction     |
| B.E<br>(Mechanical)             | St. John's College of<br>Engineering and<br>Technology, Yemmiganur,<br>Kurnool (Dst)<br>Affiliated to JNTUACEA,<br>Ananthapuramu. | 2009                   | 59.21          | Second<br>Class |
| Intermediate<br>(10+2)          | Board of Intermediate<br>Education,<br>Hyderabad (A.P.) India.  | 2005                   | 52.1           | Second class    |
| S.S.C (10)                      | Indian Certificate of<br>Secondary Education<br>(I.C.S.E) New Delhi   | 2003                   | 68.33          | Distinction     |

## **PROJECTS:**

### **1. B.E (Mechanical) -Name of the project: PERFORMANCE OF VAPOUR COMPRESSION REFRIGERATION SYSTEM**

Description: The project deals with Performance of vapour compression system by varying different refrigerants like R-12, Hydro Carbon, R-134a.

### **2. M.Tech (Refrigeration and Airconditioning) - Name of the project: PERFORMANCE OF TWO STAGE CASCADE SYSTEM USING DIFFERENT REFRIGERANTS.**

Description: The project deals with performance of cascade refrigeration system This unit consist of two sides one is higher temperature side and lower temperature side (-50°C). By varying different refrigerants Co-efficient performance of the system is calculated.

## **Work Experience:**

- Working as **Adhoc Faculty** in JNTUACEA since September 2012 to till date.
- Worked for **APECET 2014, 2015,2016,2017,2018,2019,2020** under Co Convenor APECET.
- Worked for **NBA** to the Department.
- Worked for Board of Studies (**BOS**) in the Department.
- Acted as **organising committee member** for various workshops, fests, conferences.... etc held in the Department of Mechanical Engineering, JNTUACEA.

## **Subjects Dealed:**

Engineering Graphics, Computational Methods, Cryogenics, Solar Energy Engineering, Refrigeration and Air- Conditioning, Engineering Thermodynamics and Optimization Engineering Design.

## **List of Publications of J. Paul Rufus Babu**

### **International Journals-3**

1. P.S. Bharadwaj, **J. Paul Rufus Babu**, B. Madhu Babu, “Performance evaluation of Semi- Adiabatic diesel engine using water emulsified diesel as fuel.” International Journal of Advanced Research in Science and Engineering (IJARSE), Vol. No. 3, Issue 03, ISSN – 2319 – 8354 (E) March 2015.
2. **J. Paul Rufus Babu**, P.S. Bharadwaj, B. Madhu Babu, T. Dada Khalandar, “Experimental Investigation of Rhombus Shaped Grooves on Piston Crown of a Single Cylinder 4- Stroke DI Diesel Engine.” International Journal of Mechanical Engineering and Robotics Research (IJMERR), Vol. No.4, ISSN 2278 -0149, January 2015.
3. K Kalyani Radha, G Srinivas Kumar and J Paul Rufus Babu “Modeling and Structural Analysis of Alloy Wheel Using COSMOS” European Journal of Advances in Engineering and Technology, 2015, 2(3): 1-6

### **National Conference -1**

1. Abhishek dasore, Prof. K. Prhalada rao, J.Paul Rufus Babu “ Chilled Beam Cooling Technology a Green Engineering Solution for HVAC Systems. Published in National Conference on Emerging Trends in Mechanical Engineering ( NC e- TIME’16). 27<sup>th</sup> August, 2016.

### **Workshops attended**

- Participated in Two Days National level Workshop on CFD held in Sri Sai Institute of Engineering and Technology, Ananthapuramu.
- Participated in A THREE-DAY FACULTY DEVELOPMENT PROGRAMME ON CFD APPLICATIONS USING STAR CCM+ in **JNTUA** of College of Engineering (AUTONOMOUS), PULIVENDULA.
- Participated in One Day National Seminar on Renewable Energy Sources held in **JNTUA** College of Engineering (AUTONOMOUS), Ananthapuramu.
- Participated in Two Weeks “FACULTY DEVELOPMENT PROGRAMME” On “Computational Methods for Flow and Heat Transfer Analysis Application of CFD Tools” in **JNTUA** of College of Engineering (AUTONOMOUS), ANANTHAPURAMU.

### **Personal Details:**

Name – J. Paul Rufus Babu

Email – rufus.paull@gmail.com

DOB – 03-06-1988

Nationality – Indian

Tel - 9490054977

Religion – Christian

Known Languages – Telugu, English, Hindi

Mother Tongue – Telugu

### **DECLARATION:**

I hereby declare that the above written particulars are true to the best of my knowledge and belief.

Place:

Yours faithfully

Date:

(J. Paul Rufus Babu.)