



## Mr. Bala Dutt

S/O Mr. Jawala Dutt  
E-704, Sahajanand Status, Opp. GMM  
Company, Karamsad, Anand-388325  
E-mail: [baladutt8886@gmail.com](mailto:baladutt8886@gmail.com)  
Contact No: +918000040562

---

### Objective

To become a successful professional and utilize my learning and potential to personal and organizational growth, willing to work as a key player in creative environment.

### Educational Background

- ❖ **Pursuing PhD** from CVM University, started from February 2021 in the field of Renewable Energy.
- ❖ **M.E. in Thermal Science Engineering** with First Division and an aggregate of [64.94%] in the year 2011.  
**University:** (MSU) Maharaja Sayajirao University of Baroda, **Institute:** Faculty of technology and Engineering (Gujarat, India)
- ❖ **B.E. in Mechanical Engineering** with First Division and an aggregate of [71.16%] in the year 2009.  
**University:** RGPV, Bhopal, **Institute:** Mandsaur Institute of Technology, Mandsaur, (M.P. India)
- ❖ **H.S.C. Examination** passed with First Division, [68.40%] in the year 2004.  
**Board:** C.B.S.E., **Institute:** KENDRIVIYA VIDYALAYA N.T.P.C BADARPUR, NEW DELHI-110044.
- ❖ **S.S.C. Examination** passed with First Division, [62.20%] in the year 2002.  
**Board:** C.B.S.E., **Institute:** KENDRIVIYA VIDYALAYA N.T.P.C BADARPUR, NEW DELHI-110044.

### Achievements

- ❖ Qualified GATE with 86.48% and with AIR-3096 in 2009.
- ❖ Awarded by PRESIDENT AWARD CERTIFICATE IN SCOUTS in 2002.

### Project undertaken (M.E Dissertation)

- ❖ **Exergy Analysis and Exergo-economic Analysis of a cross flow finned type Heat Exchanger with uneven mass flow rate distribution.**

### Project undertaken (B.E)

- ❖ Designed and development of a model of **“FOOT OPERATED AIR PUMP”** as minor project.
- ❖ Designed and development of a model of **“JOYSTICK OPERATED ROBOTIC WELDING ARM”** as major project.

### Paper Presented (In Conference)

- ❖ Presented and published a paper in National Conference held at Parul Institute of Engg. And Technology on title **“ENERGY AUDIT IN INDUSTRY PRESENT STATUS AND SCOPE OF REQUIREMENT OF EXERGY ANALYSIS”**
- ❖ **Paper on title “Design of dimple jacketed evaporator plate for 5KL bulk milk cooler”** in National Conference of the emerging vistas of technology in 21<sup>st</sup> century (NCEVT) in futuristic trends in Mechanical Engineering, December 4th & 5th, 2010

## Paper Published (In Journal)

- ❖ Published paper title "**Quadrotor -"An Unmanned Aerial Vehicle"**", in International Journal of Engineering Development and Research (IJEDR), ISSN: 2321-9939, Vol.2, Issue 1, pp.1299-1303, March 2014. (Impact Factor 1.79)
- ❖ Published paper title "**Hydrokinetic Electric Power Generation System by Oscillating Hydrofoils"**", in International Journal of Engineering Development and Research (IJEDR), ISSN: 2321-9939, Vol.2, Issue 2, pp.1804-1809, June 2014. (Impact Factor 1.79)
- ❖ Published paper title "**Design and Performance Evaluation of a Cold Room for Ice Cream**", in International journal of futuristic trends in engineering and technology", ISSN: 2348-5264 (Print), ISSN: 2348-4071 (Online)Volume: I , Issue: IV Publication Year: 2014 , Page(s): 12 - 19 (Impact Factor 2.2)
- ❖ Published paper title "**Geothermal Energy: An alternative source of energy"**", in International Journal of engineering research and applications, ISSN : 2248-9622, Volume 4, Issue 4, April 2014. (Impact Factor 1.69)
- ❖ Published paper title "**Experimental Analysis of 80TR capacity Air cooled scroll chillers using R-22 & R-407c"**" in International Journal of engineering research and applications, ISSN : 2248-9622, Volume 4, Issue 6, June 2014. (Impact Factor 1.69)

## Short Term Training Program

- ❖ Undergone a vocational training at **N.T.P.C, B.T.P.S NEW DELHI** for duration of 6 WEEKS in 2008.
- ❖ Attended a Short Term Training Program on topic "Recent trends in statistics and probabilities for research in engineering" at Parul Institute of Engineering & Technology in 2010.
- ❖ Attended a Short Term Training Program on topic "Performance Improvement and Emission Reduction in Internal Combustion Engine using Alternative Fuels" at IIT DELHI in May, 2013.
- ❖ Attended a short Term Training Program on Topic "Application of Renewable Energy Sources" at IIT DELHI in December, 2013.
- ❖ Attended Faculty Development Program for Design Engineering (Level 1) from 22 to 25 Jan 2017 at GTU Chandkheda.

## Experience

- ❖ Working as Assistant Professor in A D Patel Institute of Technology, CVM, Anand, Gujarat from **17 August, 2011 to till date**.
- ❖ Worked as lecturer in Parul Institute of Technology, PASM, Vadodara, Gujarat from **20 July, 2010 to 30 July, 2011**.
- ❖ Subject taught at Under-Graduate Level: **Engineering Graphics (110013), Elements of Mechanical engineering (110006), Design Engineering 1A(2130005), 1B(2140002), Fluid Mechanics (130101), (2141906), Engineering Thermodynamics (141903),(2131905), Design Engineering 2A (2150001), 2B (2160001), Heat Transfer (2151909), Internal Combustion Engine (161902), (2161902) Power Plant Engineering (2171910)and Industrial Safety & Maintenance Engineering (181905) , Renewable Energy Engineering (2181910), Creativity Problem solving and Innovation(900009901) .**
- ❖ Subject taught at Post-Graduate Level: **Fluid Mechanics & Gas Dynamics (712103), Advance Fluid Mechanics (2711103) Computational Methods (2710002) Energy Conservation & Management (2742102), Jet population and Aircraft Engineering (3732107), Wind Energy System (102450203), Design of Heat Exchangers (102440209), Advance Thermodynamics and Heat Transfer (102450101).**

## Personal Details

**Date of Birth:** 28<sup>th</sup> Aug 1986  
**Father Name:** Mr. Jawala Dutt  
**Marital Status:** Married  
**Passport No.:** J0954022  
**Present Address:** E-704, Sahajanand Status, Near GMM, Karamsad, Anand-388121, Gujarat.

## Declaration

I hereby declare that the particulars given herein are true and complete to the best of my knowledge and belief.

**Mr. BALA DUTT**