

**JSS ACADEMY OF TECHNICAL EDUCATION**

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1. **NAME** : PRASHANTHA B. G.
2. **Date of Birth** : **01-07-1975**
3. **Father Name** : **UJJANAGOUDA B. G.**
4. **Sex** : MALE
5. **Nationality** : INDIAN
6. **Contact No.** : 9731315226
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8. **Address**
- a. **Correspondence** : Assistant Professor,  
IEM Dept., JSSATE College,  
Uttarahalli-Kengeri Road, Bengaluru- 560 060
- b. **Permanent Address** : S/O Ujjanagouda B. G., Bhujanganagara Post, Sandur-583 119,  
Bellary District. Karnataka, India.
9. **Employment Type** : Permanent
10. **Educational Qualifications** : (In reverse Chronological Order)



Sl. No.	Degree	Branch	Specialization	Year of passing	University
1	Ph.D.	Mechanical Engineering	Thermal Engineering	Thesis Submitted to University on <b>09.10.2015</b>	VTU
2	M.Tech.	Mechanical Engineering	Energy Systems Engineering	2005	VTU
3	B.E.	Mechanical Engineering	Mechanical Engineering	1997	Kalaburgi University

**11. Service Details (In reverse Chronological Order):****a. Teaching Experience:**

Sl. No.	From (mm/yy)	To (mm/yy)	No. of years	Degree or Diploma Institution	Designation	Name of the Institute
1	14-06-2006	Till Date	10.4	Degree	Assistant Professor	JSSATE Bengaluru
2	01.07.2004	13.06.2006	2	Degree	Lecturer	Basava Academy of Engineering Bengaluru
3	01.10.2002	08.09.2003	1	Degree	Lecturer	Basava Academy of Engineering Bengaluru
4	01.06.1999	30.05.2000	1	Diploma	Lecturer	Sri Taralabalu Jagadguru Polytechnic Harapanahalli, Davanagere.
<b>Total Experience</b>			<b>Years</b>	14.4		

12. **Membership in various University Boards / Committees / Other (Specify):**

Sl. No.	Body	From	Name of the University / Institution / Organisation
1	ISTE	2006	Life Member (LM 49431)

13. **Field of Expertise / Interest: Energy Systems, Renewable Energies, Thermal Engineering**

14. **As a Reviewer for the International Journals of repute:**

- Reviewed paper titled "Influence of Impedance-Tuning on the Thermo-to-Acoustic Conversion for a Cascade Thermoacoustic Engine", for International Journal of Energy Research (John Wiley & Sons Publication), dated 10-May-2016.
- Reviewed paper titled "Simultaneous Optimization of Four Parameters in the Stack Unit of a Thermoacoustic Refrigerator", for International Journal of Air-Conditioning and Refrigeration (World Scientific Publication), dated 11-Jan-2014.
- Reviewed paper titled "Improving Utilization of Energy at the Power Generation Plant by Recovering Heat Energy for the Production of Cooling Power-A Sustainable Design Approach", for ASHRAE Journal (ASHRAE Publication, USA), dated 10-Jan-2014.

15. **Details of Publications:**

I have published all the papers in **international/national journals** and **conferences** as a **First and Corresponding Author**.

**Google scholar link:** <https://scholar.google.com/citations?user=W80iU78AAAAJ&hl=en>

Citations as on 21-09-2016

Citation Indices	All	Since 2010
Citations	18	18
h-Index	3	3
i10-Index	0	0

**A. Year: 01-01-2016 to till date**

**i. Journal: International**

<b>Sl. No.</b>	<b>Order of Authors</b>	<b>Title of Paper</b>	<b>Name of the Journal</b>	<b>Publisher</b>	<b>Publication citation ISSN, ISBN, Vol. No., Issue, pp</b>	<b>Impact Factor</b>
1.	<b>B.G. Prashantha,</b> Dr. M.S. Govinde Gowda, Dr. S. Seetharamu and Dr. G.S.V.L. Narasimham	"Design and Comparative Analysis of Thermoacoustic Refrigerators"	International Journal for Air-conditioning and Refrigeration.	<b>World Scientific</b>	Submitted on 19.09.2016	2.3
2.	<b>B.G. Prashantha,</b> Dr. M.S. Govinde Gowda, Dr. S. Seetharamu and Dr. G.S.V.L. Narasimham	Design Analysis of Thermoacoustic Refrigerator Using Air and Helium as Working Substances"	International Journal of Thermal and Environmental Engineering.	<b>International Association for Sharing Knowledge and Sustainability, Canada.</b>	<b>Accepted for publication on 19.09.2016.</b>	0.599

**B. Year: 01-01-2015 to 31-12-2015**

**i. Journal: International**

<b>Sl. No.</b>	<b>Order of Authors</b>	<b>Title of Paper</b>	<b>Name of the Journal</b>	<b>Publisher</b>	<b>Publication citation ISSN, ISBN, Vol. No., Issue, pp</b>	<b>Impact Factor</b>
1	<b>B.G. Prashantha,</b> Dr. M.S. Govinde Gowda, Dr. S. Seetharamu and Dr. G.S.V.L. Narasimham.	"Resonator Optimization and Studying the Effect of Drive Ratio on the Theoretical Performance of a 10-W Cooling Power Thermoacoustic Refrigerator"	International Journal for Air-conditioning and Refrigeration.	<b>World Scientific</b>	Vol. 23, No. 3, 1550020 (12 pages), 2015, DOI: 10.1142/S2010132515500200	2.3

C. Year 01-01-2014 to 31-12-2014

i. Journal: International

Sl. No.	Order of Authors	Title of Paper	Name of the Journal	Publisher	Publication citation ISSN, ISBN, Vol. No., Issue, pp	Impact Factor
1	<b>B.G. Prashantha,</b> Dr. M.S. Govinde Gowda, Dr. S. Seetharamu and Dr. G.S.V.L. Narasimham.	"Design and optimization of a loudspeaker driven 10 watts cooling power thermoacoustic refrigerator"	International Journal for Air-conditioning and Refrigeration.	<b>World Scientific</b>	Vol. 22, No. 3, 1450015 (15 pages), 2014, DOI: 10.1142/S201013251450015	2.3

ii. Conference: National

Sl. No	Order of Authors	Title of Paper	Name of the Conference	Publisher	Publication citation ISSN, ISBN, Vol. No., Issue, pp	Impact Factor
1	S. K. Darshan, M. Raja and <b>B.G. Prashantha.</b>	"Design and development of a water recovery system for a PEM fuel cell cathode compartment in hybrid vehicles"	National Conference on Emerging Trends in Engineering Management-2014 (NCETEM-2014) conducted during Nov 6-7.	<b>JSSATEB</b>	2014	NA

D. Year: 01-01-2013 to 31-12-2013

i. Journals: International

Sl. No.	Order of Authors	Title of Paper	Name of the Journal	Publisher	Publication citation ISSN, ISBN, Vol. No., Issue, pp	Impact Factor
1	<b>B.G. Prashantha,</b> Dr. M.S. Govinde Gowda, Dr. S. Seetharamu and Dr. G.S.V.L. Narasimham.	"Theoretical Evaluation of Loudspeaker for a 10 watts Cooling Power Thermoacoustic Refrigerator"	International Journal for Air-conditioning and Refrigeration.	<b>World Scientific</b>	Vol. 21, No. 4, 1350027(8 pages), 2013, DOI: 10.1142/S2010132513500272	2.3
2	<b>B.G. Prashantha,</b> Dr. M.S. Govinde Gowda, Dr. S. Seetharamu and Dr. G.S.V.L. Narasimham.	"Theoretical Evaluation of a 10 watts Cooling Power Thermoacoustic Refrigerator"	Heat Transfer -Asian Research Journal.	<b>Wiley</b>	ISSN 1099-2871, (15 pages),2013, DOI: 10.1002/htj.21094 .	-
3	<b>B.G. Prashantha,</b> Dr. M.S. Govinde Gowda, Dr. S. Seetharamu and Dr. G.S.V.L. Narasimham.	"Design and Analysis of Thermoacoustic Refrigerator"	International Journal for Air-conditioning and Refrigeration.	<b>World Scientific</b>	Vol. 21, No. 1,1350001-10,2013, DOI: 10.1142/S2010132513500016	2.3
4	<b>B.G. Prashantha,</b> Dr. M.S. Govinde Gowda, and Dr. S. Seetharamu.	"Effect of Mean Operating Pressure on the Performance of Stack-based Thermoacoustic Refrigerator"	International Journal of Thermal and Environmental Engineering.	<b>International Association for Sharing Knowledge and Sustainability, Canada.</b>	Vol. 5, No. 1 (2013) 83-89, 2013, ISSN: 1923-7308, DOI: 10.5383/ijtee.05.01.009	0.599

ii. Conference: National

Sl. No	Order of Authors	Title of Paper	Name of the Conference	Publisher	Publication citation ISSN, ISBN, Vol. No., Issue, pp	Impact Factor
1	P. Prabhakara, and <b>B.G. Prashantha.</b>	'Importance of Training and Development Program for Improving Quality in an organization'.	National Conference on Emerging Trends in Engineering Management-2013 (NCETEM-2013) conducted during July 4-5.	<b>JSSATEB</b>	2013	NA

E. Year: 01-01-2012 to 31-12-2012

i. Journal: National

Sl. No	Order of Authors	Title of Paper	Name of the Journal	Publisher	Publication citation ISSN, ISBN, Vol. No., Issue, pp	Impact Factor
1	<b>B.G. Prashantha,</b> Dr. M.S. Govinde Gowda, Dr. S. Seetharamu and Dr. G.S.V.L. Narasimham.	"Stack Optimization of Thermoacoustic Refrigerator"	The journal of CPRI	<b>CPRI, Bengaluru</b>	Vol. 8, No. 1, pp.97-102, ISSN 0973-0338, 2012.	-

F. Year: 01-01-2011 to 31-12-2011

i. Conference: National

Sl. No	Order of Authors	Title of Paper	Name of the Conference	Publisher	Publication citation ISSN, ISBN, Vol. No., Issue, pp	Impact Factor
1	<b>B.G. Prashantha,</b> and Dr. M.S. Govinde Gowda,	"A Review of Literature on Thermoacoustic Refrigerator".	National Conference on Advances in Mechanical Engineering 2011, conducted during 3-5 <sup>th</sup> Jan, MIT.	<b>Manipal Institute of Technology, Manipal.</b>	2011	NA

**G. Year: 01-01-2010 to 31-12-2010****i. Conference: International**

Sl. No	Order of Authors	Title of Paper	Name of the Conference	Publisher	Publication citation ISSN, ISBN, Vol. No., Issue, pp	Impact Factor
1	<b>B.G. Prashantha,</b> and Dr. M.S. Govinde Gowda,	"Design of Thermoacoustic Refrigerator Using DELTAEC	International Conference on Frontiers in Mechanical Engineering conducted during 20-22 <sup>nd</sup> May.	<b>NITK Surathkal</b>	2010	NA

**H. Year: 01-01-2009 to 31-12-2009****i. Conference: National**

Sl. No	Order of Authors	Title of Paper	Name of the Conference	Publisher	Publication citation ISSN, ISBN, Vol. No., Issue, pp	Impact Factor
1	S. Avinash, S. Srinidhi and <b>B.G. Prashantha.</b>	"Energy Conservation in Daily Practices".	National Conference on New advances in Thermal, Design, Materials & Manufacturing Engineering.	<b>MCE Hassan</b>	2009	NA

**I. Year: 01-01-2008 to 31-12-2008****i. Conference: National**

Sl. No	Order of Authors	Title of Paper	Name of the Conference	Publisher	Publication citation ISSN, ISBN, Vol. No., Issue, pp	Impact Factor
1	<b>B.G. Prashantha,</b> Dr. M.S. Govinde Gowda, and Dr. S. Seetharamu.	"Eco-friendly Refrigerators".	National Conference on Emerging Trends in Mechanical Engineering (ETIME-2008) conducted during 28- 29 <sup>th</sup> August.	<b>BMS College of Engineering, Bengaluru.</b>	2008	NA

J. Year: 01-01-2007 to 31-12-2007

i. Conference: International

Sl. No	Order of Authors	Title of Paper	Name of the Conference	Publisher	Publication citation ISSN, ISBN, Vol. No., Issue, pp	Impact Factor
1	<b>B.G. Prashantha,</b> and Dr. M.S. Govinde Gowda,	Standing and Travelling Wave Thermoacoustic Refrigerator”	International Conference on Energy Engineering and Eco-balance, conducted during 16-18 <sup>th</sup> February	<b>Mulshi Institute of Technology and Research, Pune.</b>	2007	NA

ii. Conference: National

Sl. No	Order of Authors	Title of Paper	Name of the Conference	Publisher	Publication citation ISSN, ISBN, Vol. No., Issue, pp	Impact Factor
1	<b>B.G. Prashantha,</b> Dr. M.S. Govinde Gowda, and Dr. S. Seetharamu.	“A Study on Thermoacoustic Refrigerator”	National Conference on Emerging Trends in Mechanical Engineering and Sciences (ETIMES-2007) conducted during 19-20 <sup>th</sup> December.	<b>Bannari Amman Institute of Technology, Sathyamangalam, Tamil Nadu.</b>	2007	NA