

## Faculty Vitae

Name of the Faculty				
Dr.R.VENKATESH BABU				
Education				
	Degree	Discipline	Institution	Year
UG	BE	Mechanical	Madras university	1997
PG	ME	CAD	Madras University	2001
PhD	Ph.D	IC Engines	Bharath Institute of Higher Education & Research	2009
Academic experience				
Institution	Title	From	To	FT/PT
Bharath Institute of Higher Education & Research	Professor	April 2016	Till Date	FT
Sri Lakshmi Ammaal Engineering College	Principal	Dec 2013	March 2016	
Bharath Institute of Higher Education & Research	Dean Academic	July 2011	Nov 2011	
Everonn Education Limited	Consultant	Nov 2010	Oct 2011	
The New Royal College of Engg. & Technology, Chennai.	Principal	Sep 2010	June 2011	
Apollo Engineering College	Principal	July 2010	Aug 2010	
Sakthi Mariamman Engineering College, Thandalam, Chennai.	Professor & Dean – Academics	Aug 2009	June 2010	
AICTE ,New Delhi.	Assistant Director	June 2006	Aug 2009	
Bharath University, Chennai	Asst. Professor	June 2003	June 2006	
Bharath Institute of Science and Technology	Senior Lecturer	Dec 2001	June 2006	
Bharath Institute of Science and Technology	Lecturer Dec	Dec 1997	Dec 2001	
Certifications or professional registrations				

- Underwent in- plant training in Fabrication, CNC, Assembly, & Inspection GEC – ALSTHOM, Chennai during under graduation.
- Underwent in- plant training in UCAL Fuel Systems Ltd., Chennai in the various departments of the company during under graduate course.
- Participated in the AICTE sponsored Short Term Training Programme on “Damage Prevention and Life Enhancement of Industrial Components by Surface Treatment” at Sri Venkateswara College of Engineering, Chennai.
- Underwent a Training Programme on “Rain Water Harvesting ” organized by the Metro water Resource Centre, Chennai Metropolitan Water Supply and Sewerage Board at Chennai.
- Refresher Course on “MECHATRONICS ” at Crescent Engineering College, Chennai.

#### Membership in professional organizations

#### Honors and awards

- “Dr.Radhakrishnan Gold Medal Award” for “Outstanding Individual Achievement in Education and Research”, in September 2014 by GEPR, Chennai.
- “Dr.Radhakrishnan Gold Medal Award” for “Excellence on his contribution in respective field of Education”, in September 2014, by Global Economic Progress and Research Association, Chennai.
- “Best Academic Administrator Award” in the Category of Engineering, in July 2015, by Venus International Foundation, Chennai.
- “Rashtriya Vidya Gaurav Gold Medal Award” in July 2015, by the Indian Solidarity Council, New Delhi.
- “Best Principal Award” in July 2015 by International Institute of Education and Management, New Delhi.

#### Service activities (within and outside of the institution)

NSS - National Service Scheme

- Participated in the ten days special camping programme – NSS on the Theme Healthy Youth for Healthy India organized in the village Attuvampatti from 26<sup>th</sup> January to 7<sup>th</sup> February 2007.

#### List of Publications

1. R.Venkatesh Babu et al, "Effect of substrate temperature on microstructure and properties of nanocrystalline titania thin films prepared by pulsed laser deposition" in Nano Systems : Physics, Chemistry, Mathematics, 2016.
2. R.Venkatesh Babu et al, "Effect of oxygen partial pressure on microstructural and optical properties of titanium oxide thin films prepared by pulsed laser deposition" in Elsevier, Material Research Bulletin, Nov 2013.
3. R.Venkatesh Babu et al, "Growth of highly oriented  $\gamma$ - and  $\alpha$ -Al<sub>2</sub>O<sub>3</sub> thin films by pulsed laser deposition" in Elsevier, Optics & Laser Technology.
4. R.Venkatesh Babu et al, "Parameter Setting for Facing EN8 steel with TNMG Insert " in American International Journal of Research in Science, Technology, Engineering & Mathematics.
5. R.Venkatesh Babu et al, "Reduction of Pollutants in CI Engine using Emulsion Fuels to Reduce Overall Traffic Induced Emissions" in Global Journal of Researches in Engineering.
6. R.Venkatesh Babu et al, "Finite Element Application of Gear tooth Analysis" in Advanced Materials Research.
7. R.Venkatesh Babu et al, "The Role of Accrediting Agencies in the field of Technical Education" at the International Conference on Reforms in Technical Education.
8. R.Venkatesh Babu et al, "The Influence of Ethanol Blended Diesel Fuels on Emissions from a Diesel Engine" at the International Conference on Energy for Sustainable Development.
9. R.Venkatesh Babu et al, "Interactive Piston Design using Auto Lisp" at the 12<sup>th</sup> ISME National Conference.
9. R.Venkatesh Babu et al, "Experimental Investigation on the Pollution containment of a Diesel Engine using Bio-diesel" at the National conference Future Trends in Mechanical

Engineering – R & D.

10. R.Venkatesh Babu et al, “Experimental Investigation on the Performance and Emission Control of a Diesel Engine fueled with Bio-diesel” at the National Conference on Mechanical Engineering.
11. R.Venkatesh Babu et al, “Automated Design of IC Engine Piston Assembly” at the National Conference on Advancements in Electrical and Mechanical Engineering.
12. R.Venkatesh Babu et al,, “Reduction of Nox and Hydrocarbon Emissions of a Diesel Engine fueled with Soyabean oil” at the ISTE National Conference.
13. R.Venkatesh Babu et al,, “CFD Analysis of an Air conditioning Duct of an Automobile” at the National Conference on Developments and challenges in Manufacturing Engineering.
14. R.Venkatesh Babu et al,, “Finite Element Analysis of a Tonpilz Transducer” at the National Conference on Future Trends and Advances in Mechanical Engineering.
15. R.Venkatesh Babu et al, “Effect of fuel additives on the formation of carbon during combustion” Proceedings of Recent trends in Automobile Engineering.
16. R.Venkatesh Babu et al, “The influence of ethanol blended diesel fuels on emissions from a diesel engine” Proceedings of Recent trends in Automobile Engineering.

Recent professional development activities

- Served as Co-convener / Convener of National / International Conferences
- Served as a Programme Officer and University Coordinator of the National Service Scheme ( NSS )
- Member of the Planning and Coordination Committee when the College applied for Accreditation from National Board of Accreditation (NBA), of the All India Council for Technical Education, New Delhi.
- Served as the Admission Officer and admitted more than 6000 students
- Served as the Placement and Training Officer of Bharath University and placed more than 1650 students in their dream jobs
- Established the Department of Marine Engineering in the University with the

approval from the Directorate General of Shipping, Government of India.

- As an Assistant Director in the AICTE All India Council for Technical Education, well versed with Governmental administrative work including approval process of Technical institutions across India, Accreditation of technical institutions by the National Board of Accreditation (NBA), Research and Institutional Development activities.
- As a core member of the NBA Office Secretariat, contributed to the formulation of the draft Outcome Based Accreditation regulations of the National Board of Accreditation instrumental in making India, a full signatory of the prestigious Washington Accord.
- Served as an Organizing Committee member of the 3 day workshop on “Reforms in Technical Education” organized by the AICTE at Infosys, Mysore.
- Served as an Organizing Committee member of the 2 day workshop on “Importance of Vocational Education and Improving Employability” .
- As a Consultant to Everonn Education Limited, Chennai for their subsidiary Everonn Technical Education India Limited in 2010 – 2011, played the lead role in Content Development, e- curriculum, Technical Teachers’ Training etc., Also played an active part in setting up the first PPP model Engineering college.
- Played a crucial role in obtaining “A” Grade for Bharath University from NAAC
- As the Chairman of the AAAC - the Academic and Administrative Audit Committee to foresee and avoid/ overcome academic and administrative obstacles, preparing and implementing the road map to achieve short & long term goals.

