

CURRICULUM VITAE

Dr. B N SATHYANARAYANA REDDY, Ph.D.

bnsatyanarayanareddy@gmail.com

Academic Qualifications

- Ph.D in Mechanical Engineering Entitled “*Studies on Distortion of Welded Joints in CO₂ Arc Welding Process for Different Electrode Diameter and Edge Preparations of 8 mm Plate Thickness*” at - UVCE Bangalore, Bangalore University, Bangalore. 2015.
- M.Sc.Engg (by Research), in Mechanical Engineering Entitled “Testing and analysis of afterburner combustion system under development” at - UVCE Bangalore, Bangalore University, Bangalore. 2006.
- B.E, Bachelor of Engineering in Mechanical Engineering, BMS College of Engineering, Bangalore. 1995.

Experience

- 21 years of experience in Teaching and Research

Academic:

- Professor and Head, Dept. of Mechanical Engineering RR Institute of Technology, Bangalore, 3rd August 2015 to 3rd 2016
- Assistant Professor, Dept. of Mechanical Engineering Sambhram Institute of Technology, Bangalore, 27 Aug 2007 to 3rd August 2015
- Sr. Lecture/Lecturer, Dept. of Mechanical Engineering, GSS Institute of Technology, Bangalore, 27 Aug 2006 to 7 July 2007
- Lecturer, Dept. of Mechanical Engineering, Ramakrishna Polytechnic, Bangalore, 01-09-1998 to 01-08-2006.
- Lecturer, Dept. of Mechanical Engineering, KJTET Polytechnic, Bangalore, 01-08-1995 to 102-07- 1998.

Evaluation and others:

- In a team worked for accreditation (output based) for the department of Mech Engg at RRIT.
- Deputy Chief Coordinator/Coordinator, Bangalore region for the VTU exams, July-Aug 20016, Nov-Dec 20015, July-Aug 20015.
- VTU Flying squad 2015
- Worked in several confidential assignments of examination of VTU, Belgaum

Research and development

Research funds

- *KSCST grant for student project titled “Measurement of Thermal Conductivity of Insulating Materials” 2004-05.*

Expert Lectures delivered

Equipment’s developed

- Smart conveyance for physically challenged peoples
- Toggle Screw Jack

Study Materials developed

- Laboratory Manual for work shop Practice Lab
- Laboratory Manual for Machine shop Lab
- Laboratory Manual for Fluid mechanics and machines lab
- Laboratory Manual for Heat Transfer laboratory.

- .

Books Authored /Edited

1. Proceedings of National Conference on “Advancement in Science, Engineering, & Technology - ASET 2016”, RRIT Bangalore, 6-7 May 2016.

Course Subjects taught

UG Level

- Basic Thermodynamics
- Applied Thermodynamics
- Fluid Mechanics
- Heat & Mass Transfer
- Non Conventional Energy Resources
- Power Plant Engineering
- Engineering Graphics
- Design of Machine Elements I
- Design of Machine Elements II
- Operation research
- Elements of mechanical engineering
- Mechanical measurements and metology
- Energy Conversion Laboratory
- Fluid Mechanics Laboratory
- Machine shop Laboratory
- work shop Practice Laboratory

PG Level

- Cryogenics
- Advanced Joining Process

Student Projects Guided

- UG: 15 (one of Them are funded by KSCST)
- PhD- 03 : Registered

Curricular and co-curricular activities

Programs/Seminars/Conferences Organized

Programs/Seminars/Conferences Attended

1. Participated two day workshop on “*Research Avenues in Mechanical Engineering*”, at UVCE Bangalore University, Bangalore.
2. Participated in National Level staff development Programme on “*Recent advancements in metrology Engineering measurements and experimental Techniques*”, at MSRIT, Bangalore.
3. Participated in Faculty development Programme on “*Application of statistical tools in management research using SPSS*”, at SAIT, Bangalore.
4. Participated two day workshop on “*Failure analysis of Industrial Engineering and plant components*”, at CPRI Bangalore.
5. Participated in Faculty development Programme on “*Recent developments in design of Press tools, Jigs and Fixtures*”, at NIT, Calicut.
6. Participated one day National Level workshop on “*Engineering Student Projects – The right way of doing them*”, at SAIT, Bangalore.
7. Participated one day workshop on “*Recent advances in Mechanical Engineering*”, at MITS, Madanapalli, Chitoor.
8. Participated one day National Level workshop on “*Materials for Future*”, at MITS, Madanapalli, Chitoor.
9. Participated in AICTE Sponsored staff development Programme on “*Recent advances in Mechanical Engineering sciences*”, at MSRIT, Bangalore.

Publications

Referred Journals:

1. B. N. Sathyanarayana Reddy and N. Lakshmana Swamy, “Influence of Groove Angle in V-groove Butt joints on Transverse shrinkage in CO₂ Arc Welding process” International Journal of Engineering Science and Technology (IJEST), ISSN: 0975-5462, Vol. 5, No.02, Feb 2013, pp.410-412.

2. B. N. Sathyanarayana Reddy and N. Lakshmana Swamy, “Effect of Bevel Angle in Bevel Groove Butt Joints on Shrinkages in CO₂ Arc Welding Process” International Journal of Science and Advanced Technology, ISSN 2221-8386, Volume 3, No. 7, July 2013, pp. 38-41.

Conferences:

1. Presented paper on “*Experimental investigations for the thermal effect of groove angles in CO₂ arc welding Process*” in national Conference in Advancement in Science, Engineering and Technology held at RRIT, Bangalore, May 2016.
2. Presented paper on “*Automatic Head Lamp Steering System*” in national Conference in Advancement in Science, Engineering and Technology held at RRIT, Bangalore, May 2016.
3. Presented paper on “*Application and Architecture survey on 3D Printing*” in national Conference in Advancement in Science, Engineering and Technology held at RRIT, Bangalore, May 2016.

References:

Dr N Lakshmana Swamy, Professor , Department of Mechanical Engineering. UVCE, Bangalore – 9449855359.

Dr.C Yuvaraj, Principal, MITS, Madanapalli – 9160020789

Dr G Mahendramani, Associate Professor, Department of Mechanical Engineering. Govt Engineering college, Bangalore – 9844225809

Declaration:

I hereby declare that the details furnished by me are true to the best of my knowledge.

Date:

Place: Bangalore

(Dr . B N Satyanarayana Reddy)