

CURRICULUM VITAE

Mr. Pavan Kumar Reddy *B.E, M.Tech*

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Academic Qualifications

- M.Tech in Thermal Power Engineering, Mechanical Engineering, RRCE, Bengaluru, Visvesvaraya Technological University, Belagavi, 2015.
- B.E in Mechanical Engineering, BCET, Bengaluru, Visvesvaraya Technological University, Belagavi, 2012.

Experience

- 2.5 years of experience in Teaching and Research

Academic:

- Assistant professor, RR Institute of Technology, Bengaluru, 21st July 2016.
- Assistant Professor, SECAB Institute of Engineering & Technology, Vijayapur,
- Assistant Manager, Production Department, A A S Industries, Bengaluru,
- Design Engineer, Product Development Department, A A S Industries, Bengaluru,
- Technical Consultant, A A S Industries, Bengaluru,

Study Materials developed

- Laboratory Manual for Energy Conversion Engineering Laboratory.
- Laboratory Manual for Heat Transfer laboratory.

Books Authored /Edited

1. Edited the book titled “Rural Entrepreneurship - Trends, Opportunities and Challenges”. ISBN 978-93-84443-57-3.

Course Subjects taught

UG Level

- Basic Thermodynamics
- Applied Thermodynamics
- Management & Entrepreneurship
- Elements of Mechanical Engineering
- Non Conventional Energy Resources
- Energy Conversion Laboratory
- Heat Transfer Laboratory

Student Projects Guided

- UG: 03 (One of them was exhibited at National Level)

Programs/Seminars/Conferences Attended

1. National conference on Mechanical Engineering, NATCON-2015, held at GCE, Ramanagaram, 21st May 2015.
2. Workshop “Faculty orientation” at SIET, Vijayapur, 6th and 7th November 2015.

Publications

Referred Journals:

1. **Pavan Kumar Reddy**, Maya G Salimath, “Study on Awareness of Biomass Briquetting as a Sustainable Source of Energy (a special reference to Vijayapur (Bijapur) Karnataka)”, IJCMEAS, vol-1, ISSN 2454-6593, page 29-35.
2. **Pavan Kumar Reddy**, “Biomass Briquetting-A step for rural Entrepreneurship”, Rural Entrepreneurship-Trends, Opportunities and Challenges. ISBN 978-93-84443-57-3, page 83-93.
3. **Pavan Kumar Reddy**, Aslam Mulla, Santosh M Bagewadi et.al, “Experimental Study of Slot Jet Flow on Flat and Curved Surfaces”, Elixir International, Elixir Mech. Engg. 95 (2016) 40787-40789.
4. Dilip Sutraway, **Pavan Kumar Reddy** et.al, “Investigation of the performance and emission characteristics of CI engine using Simarouba Biodeisel as Fuel”, International Research Journal of Engineering and Technology (IRJET), Vol 03, Issue 06, June 2016, p-ISSN 2395-0072, pg.no 1942-1946.
5. **Pavan Kumar Reddy**, M S Bhagyashekar, “Development of Biomass Briquetting Technology for Northern Regions of Karnataka using Tamarind seed powder as Binder”, Journal of Advances in Science and Technology, Vol 12, Issue 25(special issue), December 2016, ISSN 2230-9659, pg no. 353-356.

Conferences:

1. **Pavan Kumar Reddy**, Satheesha V, “Jet impingement effect on curved surface & heat transfer analysis”, National conference on recent trends in mechanical engineering(NATCON 15),GCE, Ramanagaram, 21st May 2015.