CURRICULUM VITAE

NAME: PRAVEEN MATH

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CONTACT NO: +91-9632408454

PERMANENT ADDRESS:

S/o Basayya Math Praveen Nilaya Kalika Nagar, Sindagi-586128 Bijapur District

PERSONAL DATA:

Father Name: Basayya Nationality: Indian Religion: Hindu Date of Birth: 22.07.1990 Gender: Male

LANGUAGES KNOWN:

Kannada, English, Hindi.

HOBBIES:

Reading Books, Travelling, Listening music, Playing games.

OBJECTIVE:

To be a part of a growing and dynamic organization, that offers a challenging career that helps to maximize my exposure and improves my professional skills while contributing to the progress of the organization.

EDUCATION:

- Completed Ph.D. from VTU Belagavi
- Master of Technology in Thermal Power Engineering
- Bachelor of Mechanical Engineering

AREAS OF INTEREST:

- Research & Development.
- Teaching
- Analysis & Simulation.
- Accreditation work and Marketing Activity

COMPUTER SKILLS:

- CATIAV5R20
- ANSYS[WORKBENCH, ICEM CFD]
- SOLID EDGE [2D &3D]
- MATLAB and SIMULINK
- MS OFFICE (WORD, EXCEL, POWER POINT)
- ORACLE and PEOPLE SOFT
- CADEM (CIM AND AUTOMATION LAB)

STRENGTHS:

- Self-Motivated and ready to tackle any challenge.
- Proven record of absorbing new concepts easily.
- Adapting to highly demanding situation.
- Exceptionally strong interpersonal and teamwork skills.

ACADEMIC CHRONICLE:

Certificate	Institution	Board/University	Year of passing	Percentage
Ph.D	VTU, Belagavi	V.T.U Belgaum	2024	-
M Tech (Thermal Power Engg.)	The Oxford College of Engineering, Bangalore	V.T.U Belgaum	2014	75
B.E (Mechanical Engg.)	Proudhadevaray Institute of Technology,Hospet	V.T.U Belgaum	2012	72

TEACHING EXPERIENCE

- Presently working as an Asst. Professor in School of Mechanical Engineering in **REVA UNIVERISTY, Bangaluru from NOV-2016 to Till Date**
- Previously working as an Asst. Professor in Department of Mechanical Engineering in **T.John Institute of Technology, Bangaluru from July-2014 to** Nov-16

ACADEMIC EXCELLENCE:

Sl.No	Subject Handled			
1	Heat and Mass Transfer			
2	Turbo Machines			
3	Fluid Mechanics			
4	Non-Conventional Energy Sources			
5	Basic and Applied Thermodynamics			
6	Computer Aided Engineering Drawing and			
	Machine Drawing			
7	Elements of Mechanical Engineering			
8	Material Science and Metallurgy			
9	Cryogenic Engineering			
10	Electric and Hybrid Vehicles			
11	Agriculture Automation and Smart Farming			

And also can handle subjects for M-tech (Advanced Finite Element Method, Steam and gas turbine, Advanced power plant, Advanced Fluid Mechanics, Design of heat Exchanger).

Handled labs like Energy Conversion LAB, Heat and Mass Transfer Lab, CAMD and CAED, Machine shop, Fluid Mechanics Laboratory, CIM & ATOMATION LAB.

Honors and Distinctions: 1st position in 2nd and 3rd semester M.Tech

ACADEMIC PROJECTS

Ph.D. – Doctorate Title: Analysis, Optimization and Modelling of CO2 welding process Parameters in Fabrication of Mild steel plates Guide: Dr B S Praveen Kumar

MASTER OF TECHNOLOGY:

Title:

Experimental Analysis of Cylindrical Parabolic Collector with and without Tracking Systemunder Dr.T. Nageshwara Rao

BACHELOR OF ENGINEERING:

Title: SPECIAL TASK FORCE ROBO – under Dr. Bhaskar Katti

PATENTS

- A patent has been published with entitled "AN EFFECTIVE AND RELIABLE GRID CONNECTED PV SYSTEM WITH BATTERY FOR UNINTERRUPTED SUPPLY TO LOADS", Application number - 202141006879 A, date- 26-02-2021
- A patent has been published with entitled "IOT BASED AUTONOMOUS POST PANDEMIC HEALTH CARE MONITORING SYSTEM", Application number - 202131006190 A, date- 12-03-2021

MEMBER OF PROFESSIONAL BODIES

- The American Society of Heating, Refrigerating and Air-Conditioning Engineers.(ASHRAE)
- The Indian Society of Heating, Refrigerating and Air-Conditioning Engineers.(ISHRAE)
- The Solar Society of India
- The Institution of Engineers India (IEI)
- Welding Society of India
- IEEE Bangalore Chapters

PROJECTS GUIDED

- Design and development of Evaporating cooling facility for storing vegetables. (KSCST sponsored)
- Design and development Solar powered smart vehicle for physically disabled people.
- A study on Performance evaluation of refrigeration system using LPG

- Design and fabrication of solar powered vertical shredder machine for compost preparation
- Design and development of Delta robot for materials by colour sorting
- Design and Development of Food Processing and vending Machine
- Tribological Investigation of Graphine as Lubricant additive in vegetable oil
- Design and development of Atmospheric water generator

EXPERT TALKS GIVEN

- Expert talk given on "Intellectual Property Rights- Overview" in C.M.M arts, science and commerce college, Bijapur, Jan-2021
- Expert given on "Importance of Renewable Energy Resource in future" in Govt Polytechnic college, Ramanagar, August-18,2020
- Expert talk given on "Patents and Copyrights" organized by REVA University on world IPR day
- Expert Lecture given on "Isometric Views" in 2day workshop on CAED organized by T.John Institute of technology, Bangalore from 24th to 25th September 2015

INTERNATIONAL JOUTANL PUBLICATIONS

- Praveen Math, Kumaraswamy K L, "A Study on Experimental And CFD Simulation of Performance Analysis of Primary Air Duct", Journal of Xi'an University of Architecture & Technology, Vol-XII, Issue-IV, pp-2568-2575, ISSN-1006-7930, June-2020
- Praveen Math, Kumaraswamy K L, "A STUDY ON PERFORMANCE ANALYSIS AND DESIGN OPTIMIZATION OF SHELL AND TUBE HEAT EXCHANGERS", Journal of Xi'an University of Architecture & Technology, Vol-XII, Issue-V, pp-2509-2517, ISSN-1006-7930, April-2020
- Praveen Math, Kumaraswamy K L, "Characterisation of Mechanical Properties on Magnesium Hybrid Composites for Bio-Medical Applications", International Journal of Recent Technology and Engineering (IJRTE), Vol-8, Issue-4, pp-12168-12172, ISSN-2277-3878, Nov-2019
- 4. P. Math and K. K L, "Characterisation of Mechanical Properties on Magnesium Hybrid Composites for Bio-Medical Applications", VW Appl. Sci., vol. 1, no. 1, pp. 32-36, Sep. 2019.
- Praveen Math, Kumaraswamy K L, "EFFECT OF INJECTION PRESSURE ON PERFORMANCE ANS EMISSSION CHARACTERISTICS STUDIES ON CI ENGINE USING METHYL ESTER OF NEEM OIL AS FUEL", International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), SSN(P): 2249-6890; ISSN(E): 2249-8001,Vol. 8, Special Issue 8, Oct 2018, 520-527
- 6. Abhishek, Chetan, Praveen Math "SOLAR POWERED EVAPORATIVE COOLING SYSTEM", International Journal of Emerging Technologies and Innovative Research (www.jetir.org), ISSN:2349-5162, Vol.6, Issue 5, page no.659-666, May-2019
- 7. Praveen Math "Performance evaluation of refrigeration system using LPG", International Journal of Emerging Technologies and Innovative Research (www.jetir.org), ISSN:2349-5162, Vol.6, Issue 5, page no.1013-1019, May-2019

- Meghaa.B.K , Meghana.A.N , Praveen Math," Design, Construction and Testing of Evaporative Cooling Facility for Storing Vegetables and Fruits", International Journal of Scientific & Engineering Research Volume 11, Issue 6, June-2020 ISSN 2229-5518
- 9. Raghavendra Kabber , Shankrappagouda , Sharath Kumar G R ,Praveen Math, "Design and Development of Spherical Robot for Lab Analysis and Testing Applications", International Journal of Scientific & Engineering Research Volume 11, Issue 6, June-2020 ISSN 2229-5518,pp-307-313.
- VISHWANATH HIREMATH, VIJAYDARSHAN G N, PRAVEEN MATH, "Design and Fabrication of Power Generation unit From Railway Track", International Journal of Scientific & Engineering Research Volume 11, Issue 6, June-2020 ISSN 2229-5518,pp-307-313.

BOOKS

- 1. Praveen Math, "CFD Analysis of Behavior in Horton Sphere", Lambert Academic Publication, Germany, ISBN- 978-620-2-67123-1, August-2020
- 2. Praveen Math, "CFS Application in Nuclear Reactor Cooling Circuits", Lambert Academic Publication, Germany, ISBN- **978-613-9-45535-5**, Jan-2020
- 3. Praveen Math, "Introduction to solar cooker and its performance", Lambert Academic Publication, Germany, ISBN- **978-620-0-31279-2**-1, Nov-2019
- 4. Praveen Math, "Introduction to Turbo Machinery", Lambert Academic Publication, Germany, ISBN- 978-3-330-01898-3, Aug-2019
- Praveen Math, "Design and Fabrication of (Savonius) Vertical Axis Windmill", Lambert Academic Publication, Germany, ISBN- 978-3-330-01921-8, Feb-2019
- Praveen Math, "Study of Gas Side Convective Heat Transfer in an Automobile Engine", Lambert Academic Publication, Germany, ISBN- 978-3-330-01142-7, Nov-2018

WEBINARS

Attended more than 20 online webinars and technical sessions

JOB RESPONSIBILITIES

- Active participation as an organizing committee member, paper scrutiny panel member of International level Conference "ICESMART-2015, ICESMART-2016" Coordinator for active implementation of Rockefeller habits and 5S at the Department level, Oracle People Soft (ERP software) data entry, archiving, at department level and industrial visit
- Guiding B.E students for academic projects and various government funded projects like KSCST.
- Worked as project associate to Dr. V.M. Kulkarni for the project "Design, fabrication and analysis of Air cooled Heat Exchanger for Heat Recovery from I.C. Engine" and got good concept award from VGST.

Workshops/Seminars attended:

- 1. Faculty development programme at BIT, Bengaluru.
- 2. Research avenues in mechanical Engineering at MSRIT, Bengaluru
- 3. Worksop on solid works at VTU RO, Bangaluru.
- 4. FDP on Teaching Methodology at VTU RO Mysuru
- 5. FDP on SOLID WORKS at REVA University, Bangaluru
- 6. FDP on Research Methodology at REVA University, Bangaluru
- 7. FDP on Advance materials by AIT Bangalore
- 8. FDP on AI and Python programming by KLSVIT
- 9. FDP on Cryogenics by CIT
- 10. FDP on Solar systems and applications

Seminar/Papers Presented: presented a seminar on solar power vehicles, Problems faced by Re-entry vehic as a part of the curriculum. Also presented a paper entitled below:

Praveen Math, Kumaraswamy K L, "EFFECT OF INJECTION PRESSURE ON PERFORMANCE ANS EMISSSION CHARACTERISTICS STUDIES ON CI ENGINE USING METHYL ESTER OF NEEM OIL AS FUEL", ICCRRCETME-2019

Praveen Math, Dr, RushiPrasda, Dr Nageshwar Rao, "Experimental analysis of CPC with and without Tracking system" in "IJIMINDS" journal of volume-01, Issue-06, June-2014.

Praveen Math, Dr. SujithPrasad E, "Global Stiffness Analysis of BIW structure", in IJERT, Vol-05, Issue-06, June-2016

Praveen Math, Dr Sujith Prasad E, "Evaluation of Energy Release Rate for Mode-I crack propagation in Glass composites", IJERT, Vol-5, Issue-07, July-2016.

Presented and Published my thesis paper "Experimental analysis of CPC with and without Tracking system" in "SCIENTECH" journal of RGIT, Bangalore.

Kalyan Kumar, Madhu B P, Praveen Math, "Performance evaluation of combinations of biofuels derived from waste cooked oil and pongamia pinnata oil", IJASRE, Vol.3, Issue-08, August-17

Praveen Math, Dr. Rushiprasad P, "Innovative methods to enhance the performance of Solar Cooker", IJSART, Vol.o3, Issue-09, Sept-17

References:

Dr. V M Kulkarni, Contact Number: 9448014682

Dr. Sujith Prasad E Contact Number: 9900571538

DECLARATION:

I hereby declare that all the above-furnished details are true to the best of my knowledge.

DATE :

PLACE : Bangalore

(Praveen Math)