**RESUME**

**PRASANTH P**

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| **CAREER OBJECTIVE** |

* To succeed in an environment of growth and excellence and earn a job which provides me job Satisfaction and self-development and help me achieve personal as well as institution goals.

**SYNOPSIS**

* An M.Tech Degree holder in Energy Engineering and Management from National Institute of technology Calicut Posses knowledge of Heat exchanger design and renewable energy sources.

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| **EDUCATIONAL QUALIFICATIONS** |

**Masters of Technology : Energy Engineering & Management,** National Institute of Technology Calicut- 9.45 CGPA- (2014-16)

**Bachelors of Technology**: **Mechanical Engineering,** Govt. College of Engineering Kannur- 79.7 % - (2009-13)

**12th:** Durga H. S. S Kanhangad – 93.8 % - (2008-09)

**10th:** Durga H. S. S Kanhangad – 90 % - (2006-07)

**TECHNICAL EXPOSURE**

* Undergone Professional Inplant Training Programme in Western India Plywoods ltd, Kannur, Kerala, one of the biggest woods based industrial integrated complexes in South-East Asia.
* Supervision of Mechanical and general engineering work in Production.
* Monitoring quality of work.
* Recording progress and documenting status of work daily.
* Verify that latest Technologies are being used for Manufacturing Process.
* Involvement in coordinating with consultant Engineers.
* To attend the site meeting with regards to engineering works with Clients/Consultant/Main contractor as and when required.
* Attended a combustion workshop in in International Combustion Institute Winter School (ICIWS) organized by NCCRD at IIT Madras, Chennai.

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| **ACHIEVEMENTS** |

* Participated in State Level Mathematics Fair Competition for the item “Number Chart” in 2007.
* Participated in Science Olympiad Foundation in 2009.
* Secured Third Rank in B Tech mechanical Engineering of Kannur University
* Worked as an active member of “THANAL” a social service organisation of NIT Calicut.
* Presented a poster on the topic “Modelling of bubble column photobioreactor for the microalgae cultivation” in International Combustion Institute Winter School (ICIWS) organized by NCCRD at IIT Madras during 12th -23rd December 2015.
* Presented a conference paper in 2nd International Conference on Thermal, Energy and Environment (INCOTEE) at Kalasalingam University on 25- 26 march 2016 on the title “Effect of air sparging and Nitrogen on the growth and lipid accumulation of *Chlorella pyrenoidosa*” P. Prasanth, M. Mubarak, A. Shaija

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| **PROJECT DETAILS** |

**B Tech**

1. **Mini project:** Modelling and simulation of single pedal braking system incorporated with Anti-Lock Braking System (ABS) in two wheelers. ABS is essential in two wheelers to avoid skidding of the vehicle during the application of brake.
2. **Main Project:** Fabrication and testing of vertical axis highway wind turbine at different locations. Vertical axis wind turbine can produce electricity at any wind direction compared to Horizontal axis wind turbine.
3. **Seminar:** Experimental analysis of the hydrodynamic and thermal performance of micro heat exchangers. Micro heat exchangers can be used in various applications like aircraft engines, heat pumps, [air conditioning](https://en.wikipedia.org/wiki/Air_conditioning), [heat recovery ventilators](https://en.wikipedia.org/wiki/Heat_recovery_ventilators)

**M Tech**

1. **Seminar:** A comparative study between fossil fuels and alternative fuels. Significant depletion of fossil-based fuels, increasing environmental hazards mainly global warming and the abrupt increment in the petroleum price are forcing researchers to investigate for an alternative fuel for the automobiles.
2. **Term paper:** Effect of dust on Thermal Performance of Flat Plate Solar Collectors. Solar flat plate collectors left without cleaning exposed to dust accumulation which results in decreased instantaneous efficiency, stagnation temperature and temperature rise of flat plate solar collectors.
3. **Project:** Microalgae Cultivation in Bubble column Photobioreactor and Production of Biodiesel. Microalgae possess highest lipid content which can be utilised for producing biodiesel from microalgae

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| **AREAS OF INTEREST** |

* Thermal engineering
* Renewable energy sources
* Heat exchanger design
* Fluid mechanics

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| **PROFESSIONAL COMPETENCE** |

* AutoCAD
* MS Office
* ANSYS Fluent
* MATLAB
* Good computer knowledge.

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| **PERSONAL SKILLS** |

* Punctual
* Enthusiastic and committed in achieving targets
* Disciplined worthy of Confidence
* Quick Learner
* Stay focused in high-pressured situations

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| **PERSONAL PROFILE** |

Nationality: Indian

Gender: Male

Date of birth: 01/08/1991

Status: Single

Languages known: Can read, speak and write English, Hindi and Malayalam

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| **DECLARATION** |

 I hereby declare that all statement furnished by me are true to the best of my knowledge and belief.

 *Thanking You,*

Place: Al Quasimia

Date: 11/10/2016