

CURRICULUM VITAE

KIRAN RAJ M

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ACADEMIC QUALIFICATIONS

PhD - Advanced Technology Development Centre, IIT Kharagpur, India, Joined July 2013

Master of Technology - Mechanical Engineering (Thermal Science and Engineering), IIT Kharagpur, India, 2013, CGPA-8.52 out of 10

Bachelor of Technology - Mechanical Engineering, Government Engineering College, Thrissur, Kerala, India, 2011 (72 % Marks)

All India Senior School Certificate Examination - Jawahar Navodaya Vidyalaya, Malappuram, Kerala, India, 2007 (85 % Marks)

All India Secondary School Examination - Jawahar Navodaya Vidyalaya, Malappuram, Kerala, India, 2005 (88 % Marks)

QUALIFYING EXAMINATIONS

GATE- All India Rank – 1015 (Mechanical Engineering, 2011)

PROJECT AND TRAINING EXPERIENCES

- M Tech research project on *“Hydrodynamic characteristics in microchannels with biomimetic superhydrophobic wall”*
- M Tech design project on *“ Design of a solar water heater for Kharagpur”*
- M Tech seminar on *“ Performance and emission characteristics in biodiesel engine”*
- B Tech Project on *“Computer Integrated Automatic Locker System”* (June 2010-May 2011)
- Mini Project on *“Performance analysis of Boilers and Thermic fluid heaters”* (Jan 2010-May-2010)
- Industrial Training at Kerala Road Transport Corporation (KSRTC), Kerala (April 2009)

- Industrial visits to Integrated Coach Factory, Chennai, Hindustan Newsprint Limited(HNL), Kerala

SPECIALIZED COURSES UNDERTAKEN

CFD & Heat Transfer

- 1) Computational Fluid Dynamics(CFD)
- 2) Advanced Fluid Mechanics
- 3) Convective Heat Transfer
- 4) Mathematical Methods in Thermal Engineering
- 5) Refrigeration and Air Conditioning
- 6) Compressible Fluid Flow
- 7) Conduction & Radiation Heat Transfer
- 8) Gas Turbines and Jet Propulsion
- 9) Microscale Fluid Flow & Heat Transfer
- 10) Internal Combustion Engine

Manufacturing & Design

- 1) Automobile Engineering
- 2) Design of Machine Elements
- 3) Kinematics of Machines
- 4) Machine Tools & Machining

COMPUTER SKILLS

Operating System : Windows, Linux

Programming : MATLAB, Labview

Softwares : ANSYS Fluent, Comsol Multiphysics, AutoCAD, Solid Works

Languages : C, FORTRAN

PERSONAL PARTICULARS

Date of birth : 12 May 1990
Place of birth : Calicut, Kerala
Nationality : Indian
Permanent address : Keertanam(Ho), Vallikkunnu(Po), Malappuram(Dist), Kerala, 673314
Contact address : Room No: A 108, VS Hall of residence, IIT Kharagpur, West Bengal

CO - CURRICULAR ACTIVITIES

➤ Hobbies are reading ,football and music