

Curriculum Vitae

Associate Professor
Department of Mechanical Engineering
JSS Academy Of Technical Education,
C-20/1, Sector-62, NOIDA
Contact No.9810644025, rameshspr@gmail.com

RAMESH S P

Experienced academician with over twenty five years of experience looking to leverage extensive background in teaching, research, departmental organization, mentoring and industry-institute interaction to hone young minds.

Educational Qualification:

Qualification	University/Institution	Year of completion	Specialization
Ph.D.	Faculty of Engineering. & Technology, JAMIA MILIA ISLAMIA, Central University, New Delhi, India	2015	Energy Conservation in Green buildings
M.Tech	NIT WARANGAL, Andhra Pradesh, India	1996	Design and production of IC Engines & Gas Turbines
B.E.	Mysore/Govt. BDT College of Engg, Davangere, Karnataka, India	1986-87	Mechanical Engineering

Experience (in Years) - 26 years

S N	Institution	Position	From	To
1	JSSATE, NOIDA (UP)	Associate Professor	Sept 2009	Till date
2	JSSATE, NOIDA (UP)	Assistant Professor	April 2004	Sept 2009
3	S.T.J.I.T, RNR (Karnataka)	Senior lecturer	June 2000	April 2004
4	S.T.J.I.T, RNR (Karnataka)	Lecturer	Feb 1991	June 2000

Subjects Taught:

1. Machine Design I & II
2. Strength of Materials
3. Engineering Mechanics
4. Machine Drawing
5. Engineering Drawing
6. Energy conservation
7. Nonconventional Energy Resources

Undergraduate Projects Guided:

Academic Year	Title of the Project
2016-17	1.Disposal of agricultural waste through biomass gasifier 2.Design and fabrication of 2-stage reduction gearbox with a gear ratio of 12:1 3.Optimization of wind turbine blades
2015-16	1. Optimization of variable valve-timing using CAE software 2.Design and analysis of variable geometry turbocharger for improving its transient response
2014-15	1.Design, modeling, simulation and optimization of connecting rod
2013-14	1.Cooling load calculation of a commercial building as per ASHRAE standards 2. Energy saving in air vapour compression refrigeration cycle
2012-13	1. Space heating by solar radiation 2. Conceptualization & design of mounting of grab handle of a car 3. Fabrication & evaluation of manually operated Zeolite refrigeration system
2011-12	1. CFD analysis of heat exchange process in a car radiator 2. Study and performance improvement of cooling tower - a case study
2010-11	1.Study and performance improvement of cooling tower - a case study 2. Design and fabrication of solar air conditioner 3. Compressor less thermo- EMF portable refrigerator

Postgraduate Projects Guided: 02 completed
: 01 under progress

Membership

1. Fellow – Institution of Engineers – F-121362
2. Life Member – ISTE –LM-7940

FDP/ Seminar/Workshops Attended

Academic Year	Institution	Name of the Topic	Period
2013-14	Anand Engineering College, Agra	Advances in Refrigeration & Air-conditioning & Cryogenics	31 st March - 6 th April 2014
2009-10	NIT, Hamirpur (HP)	Recent Trends in Renewable Energy Sysytes	Dec 21 st - 25 th 2009
1997-98	IIT, Kanpur	SERC school on RAM engineering in manufacturing	17 th -29 th 1997
1997	JCE, Mysore, Karnataka	Industry-institute partnership	Dec 30 th - 04 th Jan 1997
2001	STJIT, Ranebennur, Karnataka	Total quality management	24 th july - 5 th Aug 2001
1996	BIET, Davangere, Karnataka	Methodology of Teaching 7 evaluationof ME design and allied subjects	27 th -31 st july 1996
1995-96	IIT, Kanpur	Intelligent Manufacturing systems	5 th Dec - 16 th 1995
1996	BIET, Davangere, Karnataka	Seminar on ISO 9000	1996

1995	NIt, Suratkal, Karnataka	Summer school on Machinery diagnostics & predictive maintenance	19 th -25 th june 1995
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Publications:

Academic Year	Name of the Conference/Journal	Title of the Paper
2014	International Journal of Current Engineering and Technology ISSN 2277 – 4106	Optimization of Energy Consumption in DXAC using MATLAB/SIMULINK for Improved Performance and Thermal Comfort
2013	American International Journal of Research in Science, Technology, Engineering & Mathematics (AIJRSTEM), ISSN(Online): 2328-3580, ISSN(CD-ROM): 2328-3629, Issue 3, Volume 1 & 2, June-August, 2013	Energy Efficiency in Green Buildings -India Concept
2013	American International Journal of Research in Science, Technology, Engineering & Mathematics (AIJRSTEM), ISSN (Online): 2279-0055, Issue 5, Vol. 1, 2, & 3, June-August, 2013	Energy Scenario and Energy Efficiency: Programme and Policies of Booming India
2012	International journal of emerging technology and advanced engineering, www.ijetae.com	Thermal comfort and energy efficiency in Indian commercial buildings
2010-11	International Conference, NIT, Hamirpur (HP)	Earth tube in commercial buildings - a unique systems for energy conservation
2010-11	International Conference, SIT, Tumkur, Karnataka	Building Energy Management s/m for Energy Efficiency Improvement
2010-11	Conerence, Emerging Trends in mechanical Engineering	Sustainable technologies and methods for improving energy efficiency in space cooling of commercial buildings
2009-10	National conference, MMM, Gorakhpur, UP	Energy conservation in commercial buildings
2005-06	International conference, DCE, New Delhi	Possibility of using biomass gasifier for cooking in rural India

External fund Received

Received Rs. 6.0 lakhs from AICTE MODROB, New Delhi, India, for a project on Computerised Multi-point fuel injection system for performance evaluation during 2006

Industry-Institute Interaction – Project

Currently, working on a industry based project to design and develop a robotic arm for an upcoming apparel industry, in NCR Delhi, with ten students from different disciplines of the institute. This has helped students to develop professional skills, viz., techno-commercial, technical presentation, discussions, decision making, getting sponsorship and teamwork.

Co-curricular activities

Involved in pro-active mentoring to design, simulate, fabricate and test run the vehicle for competitions held at National level. Heading a group of 25 SAE students from different 2nd year to final year to design and fabricate Off-road vehicle to compete at national level under, Baja and other events.

Administrative Skills

- Centre controller of Examination for state entrance examination
- Head examiner during valuation
- Evaluation coordinator

- NBA coordinator and design module coordinator at department level
- Team building for project based learning

Skills:

Fluency in: Kannada Hindi and English

Interests:

Play Shuttle badminton, loves both soft and hard music.

(Dr. Ramesh S P)

Date: 26.04.2017

Place: NOIDA