

RESUME



Mr. Chetan Vijaykumar Papade

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Date of Birth: 15/05/85

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EDUCATIONAL QUALIFICATION:

Class/Course	College/Institute	Board/ University	Year of Passing
Ph.D. (Pursuing)	SCOE Research Centre	Pune University	----
M.Tech. (Mechanical-Heat Power Engg.)	Walchand College of Engg. Sangli <i>(An Autonomous)</i>	WCE,Sangli	2010
B.E.(Mechanical Engg.)	T.P.C.T. College of Engg.Osmanabad	Dr.BAMU Aurangabad	2008
DME.(Mechanical Engg.)	Govt. Polytechnic Osmanabad	MSBTE	2005

WORK EXPERIENCE:

Total teaching experience of 10 Years

Working as a Asst. Professor in Mechanical Engg. Dept.,Nagesh Karajgi Orchid

College of Engg. & Technology, Solapur From 1/07/2010 to till date. (**UGC Approved**)

SUBJECTS TAUGHT:

1. U.G. Level

Power Plant & Energy Engg. Fluid Mechanics, Refrigeration & Air Conditioning, Fluid Machinery & Fluid power, Computational Fluid Dynamics, Basic Mechanical Engineering, Applied Thermodynamics-I

2. P.G. Level

Advanced Fluid Mechanics & CFD, Design of Refrigeration & Air Conditioning System, Power Plant Engineering, Pumps Blowers & Compressor, Computational Fluid Dynamics

AREA OF INTEREST:-

Solar Energy, Refrigeration & Air Conditioning, Computational Fluid Dynamics

STUDENT PROJECT GUIDED:

M.E. Completed: 07 Nos

B.E Completed: 17 Groups

In-Progress: 3 Groups

ACHIEVEMENTS:-

1. **GATE 2008** qualified
2. **Best Faculty Award**, On the occasion of teachers Day 5Th September 2013
3. **Academic Excellence Award** academic year 2013-14
4. **Academic Excellence Award** academic year 2014-15
5. **Sant Rohidas Shikshakratna Puraskar** on 5th September 2016, On the occasion of teachers from Osmanabad District
6. **Best Faculty Award**, On the occasion of teachers Day 5Th September 2018
7. Successfully completed the six month a certificate course in “Turbo-Machinery “
Jointly organized by KBL Pune & WCE Sangli (January-July 2010)

MEMBERSHIP OF PROFESSIONAL BODIES:

ISTE: Life member of Indian Society of Technical Education (ISTE)

SAE India: Member of Society of Automotive Engineers, INDIA

Board Member: International Journal of Engineering Trends & Technology (IJETT)

WORKSHOP CONDUCTED:

Worked as Workshop coordinated for two week workshop on “**Fluid Mechanics**” conducted by IIT Kharagpur under the national mission on education through ICT (MHRD, Govt. of India) collaboration with NKOCET From 20th-30thMay, 2014

WORKSHOPS ATTENDED:

1. One week coordinators workshop on “**Fluid Mechanics**” conducted by I. I. T. Kharagpur from 11th March to 15th March, 2014
2. Two weeks workshop on “**Engineering Thermodynamics**” at N.K.O.C.E.T. Solapur conducted by I. I. T. Bombay from 11th Dec.2012 to 21st Dec.2012
3. Two weeks workshop on “**Environmental Studies**” at N.K.O.C.E.T. Solapur conducted by I. I. T. Bombay from 2nd to 12th June 2015.
4. One weeks workshop on “**Computational Fluid Dynamics**” at SVNIT 15th to 19th June 2015.
5. One weeks workshop on “**Computational Fluid Dynamics**” at VJTI from 29 Dec.2008 to 2 Jan.2009 Conducted by V.J.T.I Mumbai and W.C.E Sangli
6. Two days workshop on “**3rd Theam Meetin on Micro-nano Technology in service of rural India**” at SVERI’S COEP Pandharpur, from 25 -26 April ,2014 ,Jointy organized by BARC,Mumbai,SVERI’S COE,Pandharpur
7. Two day workshop on “**Induction Training to Teachers**” at V.V.P.I.O.E.T ,Solapur, on 25-26 Dec. 2010.
8. Two day workshop on “**Recent Trends in Heat Exchangers**” at W.C.E. Sangli on 29 –30 January 2010.
9. One day workshop on “**Design of Fluid Mechanics Laboratory & Its Experiment Setup**” at D.Y.Patil C.O.E,Akurdi ,Pune on 31 May 2011.
10. One week STTP on Rural development through technical institution at NKOCET conducted by NITTTR from 29/7/19 to 2/8/19

COURSES CONDUCTED

1. Three month Course on “**Suryamitra Skill development Programmer**” For 12th ,ITI, Diploma, Degree students, Collaboration with MEDA, NISE & Mitcon Sponcerd by MNRE Govt. of India, at NKOCET, Solapur
2. 200 hrs Course conducted on “**Municipal Water & Sewage Assessor**” For 8th to 12th Standard Students ,Pradhan mantri kaushal vikas yojana (PMKVY) Sponsored by Govt. of India (Nov. 16 to Jan. 2017) ,at NKOCET, Solapur
3. 420 hrs Course conducted on “Solar Panel Installation For ITI Students ,Pradhan mantri kaushal vikas yojana (PMKVY) Sponsored by Govt. of India (2018-2019)
4. 120 hrs Solar Ready Engineers Courses Conducted For UG Students (June-2019)

RESEARCH PUBLICATIONS: (35)

International Journal Papers (22)

- [1] Papade C.V 2012, “Simulation of vapour compression refrigeration system by using MATLAB”, AMTE, Vol.1, Page No.29, ISSN:2249-&7455.
- [2] Papade C.V., 2012, “Analysis of C.I. engine using biodiesel and its blends”, AMTE, Vol.1 Page No.90, ISSN: 2249-&7455.
- [3] Papade C.V., 2013, “Thermal energy storage with Phase change materials for solar application” , Advances in management, technology & engg. sciences Vol.II, issue 5 (IV).
- [4] Papade C.V., 2013, “Day night solar cooker”, International journal of multidisciplinary research, Vol.I, issue 12(VI).
- [5] Papade C.V., Boda M.A., 2014, “Analysis of solar dryer by using CFD” AMTES Vol.III, issue 5(I) .
- [6] Papade C.V., Boda M.A., 2014 “Design & Development of Indirect type solar dryer with energy storing material”, International journal of innovative research in advanced engineering (IJIRAE), Vol.I, issue 12.

[7] Papade C.V., Wale R.S., 2015, “Performance improvement of air conditioning system by using nano refrigerant”, International Journal of Advances in Engineering Research (IJAER), Vol 10 ,issue 1, ISSN-2231-515.

[8] Papade C.V., 2015, “ Hybrid Solar Cooker”, International Journal of Engineering Research & Technology (IJERT) ISSN: 2278-0181 Vol. 4 Issue 06.

[9] Papade C.V., Solankar B.D., “ A Review on Analysis of Vapour Compression Refrigeration System Using Matrix Heat Exchanger” ,International Journal of Latest Trends in Engineering and Technology, Vol 06, issue 3.

[10] Papade C.V., Bansode V., 2016, “ Literature Review on Solar Operated coconut Oil Extraction Machine” International Journal of Engineering Trends and Technology (IJETT) – Vol. 36,, ISSN: 2231-5381, Page 10.

[11] Papade C.V., Sanga R.V., 2016, “A Review on Design & Analysis of Lancashire Boiler” , International Journal of Latest Trends in Engineering and Technology (IJLTET), Vol.7.

[12] Papade C.V., “Review on Revampment of Phase Change Material”, International Journal of Engineering Trends and Technology (IJETT), Vol. 38.

[13] Papade C.V., 2017, “Analysis of Solar Dryer using Tono Therm M-65 Phase Change Material” ,Springer- Atlantis Press Vol. 137, Pp. 35-40.

[14] Papade C.V. 2017, “Review Paper on Nano mixed Phase Change Material for Indoor and Outdoor Solar Cooker Application”, International Journal of Engineering Trends and Technology (IJETT) – Vol.43.

[15] Papade C.V., 2017 “Emission Analysis of C.I. Engine using Karanja oil and its blends “International Journal of Engineering Trends and Technology (IJETT) Vol.43.

[16] Papade C.V., 2017 “Analysis of Solar powered self balancing Vehicle”, International Journal of Innovation Research in advanced Engineering. Vol.6 issue XI

[17] Chetan Papade, 2018, “Analysis of Vapour Compression Refrigeration System Using Matrix Heat Exchanger”, IPASJ International Journal of Mechanical Engineering (IJME) Volume 6, Issue 5,

- [18] Papade C.V., 2018"Development of Fixture for Bracket Weldment: A Review", International Journal of Engineering Trends and Technology (IJETT) , Volume 58 Issue 2 -ISSN: 2231 - 5381 pp. 54-59
- [19] Papade C.V.2018 "Analysis of Solar Operated Intermittent Vapour Absorption Refrigeration System", International Journal of Engineering Trends and Technology (IJETT) – Volume 60 Issue 2.
- [20] Papde C.V.2018, " Analysis of air conditioning system by using nanorefrigerant", instrumentation, Mesure, Metrologie Volume 17 Issue 2
- [21] C..V. Papade , 2018"Analysis of Solar Cooker Using Sensible Energy Storing Material" International Research Journal of Engineering and Technology (IRJET) ,ISSN: 2395-0056 Volume: 05 Issue: 07
- [22] C.V. Papade ,2019 Analysis of Solar Operated Coconut Oil Extraction Machine"IPASJ International Journal of Mechanical Engineering (IIJME)" Vol.7.

International Conference Papers (9)

- [1] Papade C.V, 2010, "Predict performance of vapour compression refrigeration system at off design condition" SVNIT, Surat ,ICAME.
- [2] Papade C.V 2012, "Design & analysis of crankshaft bending test rig for actual engine condition" Institute of Knowledge College of Engg. Pune ,i-Cort.
- [3] Papade C.V.,2012, "Simulation of vapour compression refrigeration system by using MATLAB" Devgiri College of Engg.Aurangabad.,ICCTCMEAT.
- [4] Papade C.V., 2012 "Analysis of C.I. engine using biodiesel and its blend", India Merchant chamber, Mumbai, IRSMTES.
- [5] Papade C.V., Surade R.,2013 "Thermal energy storage with Phase change materials for solar application" at advances in management, technology & engg. sciences Vol.II, issue 5 (IV).
- [6] Papade C.V., Gawali R.R., 2013, "Day night solar cooker" Devgiri College of Engg. Aurangabad.,ICCTCMEAT..

[7] Papade C.V.,Boda M.A.,Analysis of solar dryer by using CFD at K.J.Somaiya college
Kopargaon, Dist Ahmednagar,8 February 2014.

[8] Papade C.V., Joshi R.R.,2016 , “Solar powered self-balancing two wheeled vehicle using gyrosensor”, International Conference on Materials, Manufacturing and Design (ICMMD), Dr. Babasaheb Ambedkar Technological University, Lonere, Dist. Raigad.

[9] Papade C.V.,Mashyal S.M.,2017, “ Analysis of Solar Paraboliq Dish Collector System for Milk Pasteurization” Internatinal conference on clean energy futures,Solapur university ,solapur.

National Conference Papers (4)

[1] Papade C.V.,Dr. Gawali B.S., 2009, “Simulation and analysis of water pumping system”, national conference,C.O.E.P, Pune.

[2] Papade C.V.,2011, “Solar water heater with PCM” at V.V.P.Solapure .

[3] Papade C.V.,Panigrahi A.R.,2012 “Production of biodiesel from algae”, National Conference,.C.O.E.P, Pune.

[4] Papade C.V.2012, “Performance and emission analysis of C.I Engine using biodiesel and its blends” National Conference,C.O.E.P Pune

. INDUSTRIAL TRAINING

Completed 30 days industrial training at Thermax Ltd.(Power O& M Division), Pune. Training site was at Jaihind Sugar Pvt. Ltd., Achegaon, Solapur. The duration of the said training was from 29th November 2015 to 28th December 2015. During training I had hands experience about 100 TPH Boiler, 18 MW Cogeneration Plant & Sugar Plant

LABORATORY DEVELOPMENT: -

1. Power Plant & Energy Engineering
2. Fluid Machinery & Fluid Power
3. Heat & Mass Transfer
4. Refrigeration & Air Conditioning
5. Solar Research Center (**Research grant awarded by La Foundation of Dassault Systems, India**)
6. Applied Thermodynamics -I

COLLEGE AND DEPARTMENTAL LEVEL ACTIVITY:

1. Worked as R&D co-ordinator
2. Worked as Project co-ordinator
3. Worked as PG co-ordinator
4. Worked as time table co-ordinator
5. Worked as Attendance Monitoring co-ordinator
6. Worked as co-ordinator of Orchitech -2013 & 2018
7. Worked as incharge of technical section of college magazine
8. Worked as Class coordinator
9. Worked as coordinator of Avishkar 2013-14 (University Level Research Program)

