

**Department of Mechanical Engineering
Government of Engineering College Thrissur.**

Bio-Data

1. Name :SANDHYA M
2. Designation :Associate
professor
3. Date of birth :18.02.1974
4. Highest qualification : M.Tech
5. Date of joining service :14.03.2001
6. Date of joining GEC Trichur :14.03.2001
7. No. of FDPs/STTPs or other events conducted : TWO



Sl number	Name of course	Organised by	Date
1	National Workshop on Solar Photovoltaic & Solar Thermal Systems	GEC Thrissur	16.03.2011
2	Computational Methods in Fluid Flow and Heat Transfer	GEC Thrissur (QIP AICTE)	17.02.2014 to 21.02.2014

8. No. of FDPs/STTPs or other events attended : ONE
as resource person

Sl number	Name of course	Organised by	Date
1	Training programme for vocational teachers on Refrigeration and A/C For	Government Engineering college Thrissur	27.6.2011 to 2.7.2011

9. No. of FDPs/STTPs/Workshops attended :21
as participant

Sl number	Name of course	Organised by	Date
1	Recent Trends in Thermal Design of Energy Systems	NIT Calicut	05.01.2004 to 16.01.2004
2	Computational Biology	CET Thiruvananthapuram	09.10.2006 to 20.10.2006
3	Effective Teaching and Learning of Engineering subjects	GEC Thrissur	15.01.2007 to 27.01.2007
4	National workshop on Nanoscience & Nanotechnology	Amrita Vishwa Vidyapeetham, Amritapuri Campus	14.05.2007 to 18.05.2007
5	Machine Condition	IIT Madras	09.07.2007 to

	Monitoring and Fault Diagnostics		14.07.2007
6	Marketing Strategy For Small and Medium Enterprises in Changing Global Scenario	MES College of Engineering, Kuttippuram	23.06.2008 to 28.06.2008
7	Emerging Trends in Operations Management	Govt. Engg. College, Thrissur	14.12.2009 to 19.12.2009
8	Computational Methods in Fluid Flow Heat Transfer	Indian Institute of Space Technology, Thiruvananthapuram	12.07.2010 to 16.07.2010
9	Microsoft Word and Excel for teachers of Engineering Colleges	Govt. Engg. College, Thrissur	22.08.2011 to 24.08.2011
10	Emerging Trends In Automobiles and Emission Control Systems	GEC Thrissur	01.03.2012 to 03.03.2012
11	Basic Counselling Techniques	GEC Thrissur	20.08.2012 to 24.08.2012
12	ANSYS CFD Basics	Innovent Engineering solutions Bangalore	18.02.2013 to 22.02.2013
13	INDO-US Workshop on Nano structured Electronic Materials	C MET, INDIA	08.03.2013 to 11.03.2011
14	Essentials of Optimization Techniques in Engineering	GEC Thrissur	10.06.2013 to 14.06.2013
15	Electrical Estimation and Energy Management	GEC Thrissur	17.12.2013 to 19.12.2013
16	Intensive Training in Computational Fluid Dynamics	VIT ,Chennai	23.12.2013 to 27.12.2013
17	Soft Computing Techniques in Research	GEC Thrissur	12.02.2014 to 14.02.2014
18	Computational Methods in Fluid Flow and Heat Transfer	GEC Thrissur	17.02.2014 to 21.02.2014
19	Document Preparation using LATEX	GEC Thrissur	03.12.2014 to 05.12.2014
20	Computational Methods in Fluid Dynamics	GEC Thrissur	04.03.2015 to 06.03.2015
21	Computational fluid Dynamics	GEC Thrissur	19.12.2016 to 23.12.2016

10. No. of Conferences attended as participant :4

Sl nu	conference	Organized by	Date
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1	Second International Conference on Materials for the Future ICMF 2011	GEC Thrissur	23.02.2011 to 25.02.2011
2	Second National Technological Congress, Kerala NATCON 2012.	GEC Thrissur	09.02.2012 to 10.02.2012
3	International conference on Energy, Environment, Materials and Safety ICEEMS-14	CUSAT Kochi, Kerala	10.12.2014 to 12.12.2014
4	International conference on Emerging Trends in Engineering ,Science and Technology ICETEST2015	GEC Thrissur	09.11.2015 to 11.12.2015

11. No. of funded research projects received (CERD/TEQIP/MODROBT etc.) :NIL
12. Details of IPRs :NIL
13. Details of awards/ recognition/ Achievements :NIL
14. Details of additional charges at Dept/Institute level : Group tutor (2016 admission B Tech) MECH ,TEQIP Training coordinator (Dept level),
Disciplinary action committee member(Institute level)
15. Details of responsibilities at university level or other social organization :NIL

❖ **No. of Journal Publications** :5

1. An investigation into the effect of inclusion of cerium oxide nanoparticles on the physicochemical properties of diesel oil, V. Sajith, M. Sandhya and C. B. Sobhan, *ASME Materials Division Publication - ASME MD 2006*, pp. 1-6, 2006.
2. Investigation of Turbulent Characteristics of a Subsonic Jet Using 3D RANS Simulation, Arthur John, Sandhya M, Piyush Vijayan, *International Journal of Innovative Research in Science, Engineering and Technology. IJIRSET*, Volume 3, Special Issue 5, July 2014.
3. “Numerical Simulation of Subsonic jet through Circular, Square, and Rectangular Nozzles”, Piyush Vijayan, Sandhya M, Arthur John, *Journal of Basic and Applied Engineering Research* Print ISSN: 2350-0077; Online ISSN: 2350-0255; Volume1, Number 2; October, 2014 pp. 28-32

4. Effect of OEM Style and Aftermarket Performance Air Filters on Vehicle Parameters. Mathews V John, Sandhya M, Balakrishnan K, *Elsevier Procedia Technology* 24 (2016) 461 – 468.
5. Numerical Investigation of Flow characteristics of subsonic jets from round and beveled nozzles, Sandhya M, Tide P.S., *International Journal of Energy Technology and Policy*, Inderscience publishers, 2017 Vol.13, No.1/2, pp.141 - 157

❖ **No. of publication in International conferences** :5

1. Combustion Phasing Method for Improving The Performance Of Heat Recovery System in IC Engines And Its Effects On Thermal Efficiency Factors (A Review)
Akhil K V, Sandhya M, *Second International Conference on Materials for the Future ICMF 2011* FEB 23-25 2011 Govt Engineering College Thrissur.
2. Performance of Refractory Metal Composite as Nozzle Throat Material and Recent Trends in Fabrication, Sandhya.M, Mubarak.A.K, Tide.P.S. *Second International Conference on Materials for the Future ICMF 2011* FEB 23-25 2011 Govt Engineering College Thrissur.
3. Review on the application of ablative materials for solid rocket motor nozzles and their Fabrication Mubarak.A.K, Sandhya.M, Tide.P.S. *Second International Conference on Materials for the Future ICMF 2011* FEB 23-25 2011 Govt Engineering College Thrissur.
4. Numerical Investigation of Flow characteristics of subsonic jets from round and beveled nozzles, Sandhya M, Tide P.S. *International conference on Energy, Environment, Materials and Safety ICEEMS-14*, December 10-12, 2014 at CUSAT, Cochin, Kerala.
5. Experimental investigation on the effect of inclusion of nanoparticle on diesel fuel properties, K.T. Deepak, M. Sandhya, A. Ramesh. *International conference on Current Research in Engineering Science and Technology (ICCREST-2016)*, Jayaram College of Engineering and Technology, Trichy, Tamilnadu

❖ **No. of publication in National conferences** :1

1. The Numerical Simulation of Fluid Flow in MHD Generator, K.V.Sandeep, M.Sandhya, Aju Mathew, *National Conference on Advances in Manufacturing Systems and Processes NAIMSAP 2013*, 9-11 October 2013 at GEC, Thrissur.