

Name:	Manikandan S
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Educational summary

Course	Specialization
B.Tech	Mechanical
M.Tech	Thermal Science

Courses offered:

1)	Heat and mass transfer
2)	Thermodynamics
3)	Mechanical Technology
4)	Basic mechanical engineering
5)	Project management
6)	Refrigeration and air conditioning
7)	Theory of machines

Area of interest:

1)	Computational Fluid Dynamics
2)	Thermal energy
3)	biomechanical
4)	Alternative fuels

Employment History:

Sl.No	Designation	Institution/Organization	From	To
1	<u>Guest lecturer</u>	<u>College of Engineering Trivandrum</u>	<u>2011(March)</u>	<u>2012(June)</u>
2	<u>Assistant professor</u>	<u>MBC CET ,peer made</u>	<u>2012</u>	<u>Till date</u>
3				

Publications

1	<u>CFD Analysis of velocity profiles for NACA 4412 Aerofoil in IJUR Journal</u>
2	<u>CFD Analysis on variation of pressure coefficient for NACA 4412 aerofoil in IJUR Journal</u>
3	<u>Experimental and numerical flow field analysis on hybrid dryer</u>

Seminar/Symposiums/workshops/conferences attended:

Sl.No	Topic	Organizing Institute Name	From	To
1	<u>International</u>	<u>College of engineering trivandrum</u>	<u>2010</u>	

	<u>conference on emerging trends</u>			
2	<u>National conference on Technological Trends (NCTT-06)</u>	<u>College of engineering trivandrum</u>	<u>2012</u>	
3				

Projects Guided:

Sl.No	Project Title	UG/PG	Batch	Recognition/Remarks
1	<u>Urine powered internal combustion engine</u>	<u>UG</u>	<u>2010-14</u>	
2	<u>Automatic cleaning of bull gears</u>	<u>UG</u>	<u>2008-12</u>	
3	<u>Numerical analysis of STENT GRAFTS on AAA model using CFD PACKAGE</u>	<u>UG</u>	<u>2010-14</u>	
4	<u>Experimental setup on hybrid solar dryer</u>	<u>UG</u>	<u>2011-2015</u>	
5	<u>Biofuel production from ethanol</u>	<u>UG</u>	<u>2011-2012</u>	
6	<u>CFD Analysis of aerofoil</u>	<u>UG</u>	<u>2012-2016</u>	
7	<u>Biodiesel production from neem oil</u>	<u>UG</u>	<u>2012-2016</u>	