

FACULTY PROFILE

Name (Capital Letters) : Dr.A.Manivannan
Designation : Assistant Professor
Department : Mechanical Engineering
Mail ID : mani1496@gmail.com
Education Qualification :

Degree	Specialization	University	Awarded Year
B.E	Mechanical Engineering	RVS College of Engg. and Tech., Dindigul. Madurai Kamaraj University	1997
M.E	Energy Engineering	College of Engineering, Anna University, Chennai – 25	2000
Ph.D	IC Engine	Anna University, Chennai – 25	2008

Professional Experience:

Name of the Company / Institutions	Designation	Duration		Experience in Years
		From	To	
Anna University Regional Campus, Tirunelveli	Assistant Professor	1.10.2010	Till date	10 Years
PSG College of Technology, Coimbatore	Assistant Professor	01-01-2006	30-09-2010	4 Years 9 Months
PSG College of Technology, Coimbatore	Lecturer	24-06-2005	31-12-2005	6 Months
MIT, Anna University, Chennai	Lecturer (Contract)	17-03-2005	23-06-2005	3 Months
MIT, Anna University, Chennai	Teaching Research Associate	21-01-2001	20-01-2005	4 Years

Area of Specialization : Internal Combustion Engines, Energy Engineering

Academic / Additional Responsibilities :

- Alumni Cell Faculty In-charge from 04.11.2020 to Till date
- Library In-charge from 28.03.2019 to Till date
- Head of the Department, Mechanical Department, Regional Centre, Anna University Tirunelveli from 25.11.2011 to 09.10.2015.

- Deputy Director (Affiliation), Regional Centre, Anna University Tirunelveli from 10.10.2012 to 18.06.2015
- NSS and RRC Co-ordinator at University Engineering College, Nagercoil from 01.10.2010 to 25.10.2011.

Committee Member: (Representation in any Committee)

- Member in Ministry of Environment, Forests & Climate Change Project evaluation committee.
- Act as Governing Council Member some of Affiliated Colleges.
- Member in Anna University affiliation inspection process.
- Reviewer for International Journal of Green Energy

Professional Membership:

- Life Member in Indian Society for Technical Education (ISTE)
- Member in Institution of Engineers (India)

Research Guidance (mention the total count in each)

- i. PG : 74
- ii. Ph.D : 2

Publications (National/International):

INTERNATIONAL JOURNAL

Sl.No	Details
1	A. Sacithra, A. Manivannan , “Performance analysis of solar water heater with flattened tube spiral absorber using forced circulation, International Journal of Green Energy, Volume 16, Issue 11, 22 Jul 2020
2	A. Sacithra, A. Manivannan , “Turbulent flow analysis of a flattened tube in- plane curved solar collector using Titanium oxide nanofluid”, Heat and Mass Transfer, Vol.55, pp.1783-1799 , Print ISSN0947-7411
3	P. Kannan, A. Manivannan , “Theoretical analysis of a vapour compression refrigeration system with R134a, R290, R600a & various ratio of R290/R600a” International Journal for Research in Applied Science & Engineering Technology (IJRASET), <i>Volume 4 Issue VI, June 2016, ISSN: 2321-9653</i>
4	Manivannan A , JaffarSathiq Ali M.T, “Simulation and Experimental study of Thermal Performance of a Building Roof with a Phase Change Material (PCM)”, <i>Sadhana</i> , Vol. 40, Part 8, December 2015, pp. 2381–2388, ISSN: 0256-2499.
5	B.S.Renjini, A Manivannan , “Computation analysis of a helicopter – rotor blade with tip sweep to reduce the vibration, International Journal of advanced and Innovative Research (2278-7844), pp.308-312, Vol.4, Issue 5, ISSN: 2278-7844.
6	Naveenkumar P, A Manivannan , “Finite Element Analysis on the Structural Behaviour of Bolted Joints”, International Journal of Engineering and Computer Science, Vol.4, Issue 5, May 2015, pp.12200-12204, ISSN 2319-7242.
7	Vasanth G, A Manivannan , “Design and Parametric Optimization of Heavy Duty Leaf Spring”, International Journal of Engineering and Computer Science, Vol.4, Issue 5, May 2015, pp.12216-12223, ISSN 2319-7242.
8	M. Venkatesan, N. Shenbaga Vinayaga Moorthi, P. Arul Franco, A. Manivannan , R. Karthikeyan, “Hydrous Methanol Fuelled HCCI Engine Using Ignition Improver CAI Method - ANN Approach”, International Journal of Mechanics and Mechanical Engineering, Vol. 19, No. 1 (2015) 31–49, ISSN: 1428-1511.

9	M. Venkatesan, N. Shenbaga Vinayaga Moorthi, P. Arul Franco, A. Manivannan , R. Karthikeyan, "Spark-assisted HCCI engine using hydrous methanol as a fuel: an ANN approach" Biofuels, Bioproducts and Biorefining, Vol.9, Issue 4, May 2015, ISSN: 1932-104X, Impact Factor: 4.528 .
10	M. Venkatesan, N. Shenbaga Vinayaga Moorthi, A. Manivannan , R. Karthikeyan, V.C.Sathish Gandhi, "Experimental Investigation on Hydrous Methanol Fueled Homogeneous Charge Compression Ignition Engine Using Spark Assisted Method", IJE TRANSACTIONS A: Basics Vol. 28, No. 7, (July 2015) 1099-1107.
11	Manivannan A , Velmurugan M, "Performance of Single Pass Down Stream Solar Air Collector with Inclined Multiple V-Ribs" World Academy of Science, Engineering and Technology, International Journal of Mechanical, Aerospace, Industrial and Mechatronics Engineering Vol:8 No:8, 2014.
12	Arun Vijay, Shenbaga Vinayaga Moorthi, Manivannan.A , "Internal and External Flow Characteristics of Swirl Atomizers: A Review", Atomization and Sprays, Vol.25, Issue.2, PP., 153-188, February 2015 ISSN Print: 1044- 5110.
13	M. Venkatesan, N. Shenbaga Vinayaga Moorthi, R. Karthikeyan, A. Manivannan , "Experimental Study On Hydrous Methanol Fuelled HCCI Engine Using Air Pre-Heater Assisted Controlled Autoignition", Transactions of FAMENA, July 2014, Vol.38, Issue.2, pp.53-66, ISSN:1333-1124. Impact factor : 0.704
14	M. Venkatesan, N. Shenbaga Vinayaga Moorthi, R. Karthikeyan, A. Manivannan , "Dimethyl Ether as an Ignition Improver for Hydrous Methanol Fuelled Homogeneous Charge Compression Ignition (HCCI) Engine", World Academy of Science, Engineering and Technology, International Journal of Mechanical, Aerospace, Manufacturing, Industrial Science and Engineering Vol:8 No:1, 2014.
15	K.Karuppasamy, A.Syed Abu Thaheer, C.Ahmed Basha, and A.Manivannan , "The Effect of Biodiesel Blends on Single Cylinder DI Diesel Engine and Optimization using Response Surface Methodology", European Journal of Scientific Research, Vol.84 No.3 (2012) pp.365-376. ISSN 1450-216X/1450-202X
16	Ravi Shankar S, and Manivannan A , Vijayakumar D, " Effect of Fly Ash Particles on the Mechanical Properties and Microstructure on Compacted Magnesium Reinforced With Sic Particles", International Journal of Composite Materials and Manufacturing ISSN2249-4030 , Vol.02 No.02, July2012.
17	Sridevi.T and Manivannan.A , "Performance Analysis and Optimal Design of a Gasketed Plate Heat Exchanger", International Journal of Management, IT and Engineering, Vol.3, Issue 9, pp.381-390, Sep.2013. ISSN 2319-4847
18	Jothi.N and Manivannan.A , "Optimization of Microwave-Assisted Transesterification Of Mahua Oil Using Response Surface Methodology", International Journal of Science, Engineering and Technology Research, Vol.2, Issue 6, June 2013 ISSN 2278- 7798
19	K.R. Rekha, and Manivannan.A , "Microwave Assisted Production of Biodiesel from Waste Cooking Oil and its Performance Characteristics in a CI Engine", International Journal of Science, Engineering and Technology Research, Vol.2, Issue 5, pp.1129-1133. May, 2013. ISSN 2278- 7798
20	Manoj.M, and Manivannan.A , "Simulation of Solar Dryer Utilizing Green House Effect for Cocoa Bean Drying" International Journal of Advanced Engineering Technology, Vol.IV, Issue II, pp. 24-27. April-June 2013. ISSN 0976-3945
21	Kings Krishna NagarajaSingh.R, and Manivannan.A , "Matlab based Simulation of Thermoelectric – Photovoltaic Hybrid System", International Journal of Engineering Research and applications, Vol.3, Issue 2, , pp 975-979, 2013. March – April 2013. ISSN 0976-3945
22	G.Murali, and Manivannan.A , "Analysis of power Quality Problems in Solar Power Distribution System" International Journal of Engineering Research and applications, Vol.3, Issue 2, pp 799-805, 2013. March – April 2013. ISSN 0976-3945
23	M.Manikanda Prabhu, and Manivannan.A , "Modelling and performance analysis of PV panel using incremental conductance maximum power point tracking". International Journal of Engineering Research & Technology, Vol .2, Issue 3. March, 2013. ISSN: 2278-0181
24	S.Bhagavathi Shankar, Manivannan.A , "Performance Evaluation of Solar Water Heater Using Nano fluid", International Journal of Engineering Research, Vol.3 Issue 2. March –April, 2013. ISSN: 2319-6890
25	Manivannan A. , Numerical And Experimental Study Of Extended Expansion Concept Applied To Lean Burn Spark Ignition Engine, Annals Of Faculty Engineering Hunedoara – International Journal Of Engineering, Tome IX, Fascicule 2. 2011, ISSN 1584-2665 .
26	Manivannan A. , "CFD Analysis of A Mixed Flow Pump Impeller", International Journal of Engineering, Science and Technology, Vol.2, No.6, 2010, pp200-206. ISSN2141-2839

NATIONAL JOURNAL

1	Manivannan A. , Ramprabhu R. and Tamilporai P., ‘Study of Extended Expansion Concept applied to Lean Burn Spark Ignition Engine’, National Journal of Technology, India, PN-38, Vol. 2, Issue 4, December, 2006 ISSN: 0973-1334.
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Conferences (National/International)

INTERNATIONAL CONFERENCE

1.	Gopinath G R, Sacithra A, Manivannan A. ,”Study of Solar Water Heater Using Nano Fluid As a Working Medium”Proceedings of 1 st International Conference on Recent advances in Mechanical Engineering (TEQIP II Sponsored) 2 & 3th March 2017, Dept of Mech Engg., Government College of Engineering, Salem -11
2.	S Chandrasekar, A Manivannan , J R Ginu and M Manoj, “ Experimental Investigation on the Mechanical Properties and Metallurgical Characterisation of Stir Cast AA7075 – T6- TiB2 Metal Matrix Composites”, Proceedings of International Conference on Emerging Trends in Engineering and Technology, 2016, pp. 341-347.
3	R.Franklin Merlin, A.Manivannan , “Pyrolysis of Used Plastic Water Bottles”, TEQIP II Sponsored International Conference on Sustainable Energy System and Energy Management (SESEM’2015), pp 139-144, Dept.of Mechanical Engineering, BIT Campus, Anna University Trichy, 4 th June 2015 to 5 th June2015, pp 139-145
4	R Karthick, A Manivannan , “Thermal Energy Storage in Solar Water Heater Using Phase Change Material”, Proceedings of International Conference on Advanced Engineering and Technology, VTP Research Events and Education Pvt.Ltd , pp.49-56, Salem, 2015.
5	Sathiya Narayanan C, A Manivannan , “Perormance Enhancement of Solar Hybrid PV/T System Using Nanofluid”, TEQIP II Sponsored International Conference on Sustainable Energy System and Energy Management (SESEM’2015), pp 118-123, Dept.of Mechanical Engineering, BIT Campus, Anna University Trichy, 4 th June 2015 to 5 th June2015
6	Selvan P, A Manivannan , “Perormance Enhancement of Silicon Solar Cell Using Anti Reflection Coating”, TEQIP II Sponsored International Conference on Sustainable Energy System and Energy Management (SESEM’2015) Dept.of Mechanical Engineering, BIT Campus, Anna University Trichy, 4 th June 2015 to 5 th June2015
7	Prabhu V, A Manivannan , “Perormance Evaluation of Solar Dryer by Using Smooth and Rough plate with forced convection”, TEQIP II Sponsored International Conference on Sustainable Energy System and Energy Management (SESEM’2015) Dept.of Mechanical Engineering, BIT Campus, Anna University Trichy, 4 th June 2015 to 5 th June2015, pp.11-15.
8	Stephen Livingston T, A Manivannan ,”Optimization of process parameter of lemongrass flash pyrolysis in fluidized bed reactor”, International Conference on Technological Convergence for Information, Health, Food and Energy Security, 1 st and 2 nd May, 2015, CSIR-CLRI,adyar,Chennai.
9	Ramachandran K, A Manivannan , “Thermodynamics Analysis of Counter Flow Wet Cooling Tower”, TEQIP II Sponsored International Conference on Sustainable Energy System and Energy Management (SESEM’2015) Dept.of Mechanical Engineering, BIT Campus, Anna University Trichy, 4 th June 2015 to 5 th June2015
10	Vansylic Israel Pintu J, A Manivannan , Jeremiah JothiRaj, “Flexibility Analysis of a Bare Pipe line Used for Cryo Application”, International Conference on Current Innovation in Engineering and Technology, May 2015, pp179-191, ISBN978-1511884-099
11	M Sivasudalaimani, A Manivannan , “Mechanical Properties of Magnesium Based Hybrid Composites Through Powder Metallurgy Route”, TEQIP II Sponsored International Conference on Sustainable Energy System and Energy Management (SESEM’2015) Dept.of Mechanical Engineering, BIT Campus, Anna University Trichy, 4 th June 2015 to 5 th June2015, pp.212-214.

12	A Lakshmikanth, A Manivannan, "Design Of Driveshaft with Composite Materials and Analysis Of Stresses Using Finite Element Method", International Conference on Applied Research in Engineering and Technology –ICArET 2015, 2 nd May 2015, pp 122-124.
13	M.T.Jaffar Sathiq Ali, A.Manivannan , "Simulation of Building Roof with Phase Change Material", International Conference on Innovation & Exploration in computing electrical, electronics, mechanical & civil technologies (ICICMET'14), pp 68-74, 22 nd March 2014, Department of Mechanical Engineering, Hollycross Engineering College, Thoothukudi – 628 851, Tamil Nadu, India
14	Sathish Khanna P, Manivannan A, "Fabrication of Portable Solar Thermo Electric Refrigeration" International and Conference on Renewable Energy and Climate Change – Exploring opportunities for sustainable development, School of Energy, Environment and Natural Resources, Madurai Kamaraj University, Madurai, 5 to 7 th April 2012.
15	Ravi Shankar S, Manivannan A , "Experimental Investigation and effects of Thermal Cycling In Compacted Magnesium SiC and Fly Ash Particles", International conference on Recent Advances in Mechanical Engineering, Dr.M.G.R Educational and Research Institute University, Adayalampattu, Chennai, 19 th & 20 th April 2012
16	Manivannan A. , Ramprabhu R., Tamilporai P. and Chandrasekaran S., 'Numerical Simulation of Extended Expansion Lean Burn Spark Ignition Engine', The Seventh Asia-Pacific International Symposium on Combustion and Energy Utilization, December 15-17, 2004, Hong Kong SAR, Paper No.139.
17	Manivannan A. , Ramaprabhu R., Tamilporai P and Chandrasekaran S., 'Lean Burn Natural Gas Spark Ignition Engine –An Overview', SAE Paper No. 2003-01-0638, 2003 SAE world congress, Detroit, Michigan, March 3-6, 2003.
18	Manivannan A. , Ramprabhu R., Tamilporai P. and Chandrasekaran S., 'Simulation of Extended Expansion Lean Burn Spark Ignition Engine', ICEF2004-822, 2004 Fall Technical Conference, October 24-27, 2004, Long Beach, CA, USA.
19	Manivannan A. and Ramprabhu R. 'Effect of Engine Variables on Combustion Performance of Lean Burn Spark Ignition Engine – An Overview', IMECE2002-39052, 2002 International ASME Congress, New Orleans, LA, November 17-22.

NATIONAL CONFERENCE

1.	Suresh S E, Manivannan A , "Thermal and Corrossion Analysis of Electro Plated Material for Heat Exchanger Use", Dept of Mech Engg. , National Conference on Recent Advancements in Mechanical Engineering, 06/04/2016.
2.	M.I.Alwin, A.Manivannan , "Design and Experimental Analysts of Single Basin and Double Slope Still With PCM". National Conference On Recent Trends In Mechanical Engineering With Green Energy and Robotics (RTMEGER'15), pp193-200, Dept. of Mechanical Engineering, Nehru Institute of Engineering and technology, Coimbatore, 2015.
3	Manigandan T, A Manivannan , "Fabrication and Testing of Generator for a Vertical Axis Wind Turbine", National Conference On Recent Trends In Mechanical Engineering With Green Energy and Robotics (RTMEGER'15), pp194-200, Dept. of Mechanical Engineering, Nehru Institute of Engineering and Technology, Coimbatore, 2015.
4	Kathirvel Murugan L, A Manivannan , "Modeling and Analysis of Concentated Photovoltaic system", Proceeding of National Conference on Advances in Mechanical Engineering (NME'2015) held on 30.04.2015 at Regional Office, Anna University Tirunelveli Region, Tirunelveli – 627 007, pp.248-255
5	S Ambrose David Franco, A Manivannan, "Performance Enhancement Study of Centrifugal Compressor", Proceeding of National Conference on Advances in Mechanical Engineering (NME'2015) held on 30.04.2015 at Regional Office, Anna University Tirunelveli Region, Tirunelveli – 627 007, pp.248-255
6	P.Muniraj, A.Manivannan, "Theoretical Investigation on Thermal Storage Tank or Solar Air Heater With Nano Enhanced Phase Change Material", TEQIP II Sponsored National Conference on Issues In Power Quality And Renewable Energy Systems, Department of Electical and Electronics Engineering, Bharathidasan Institute of Technology, Tiruchirappalli, 29th & 30th April 2014.

7	M.Velmurugan, A.Manivannan, "Thermal Performance of Single Pass Down Stream Solar Air Collector with Inclined Multiple V Ribs", TEQIP II Sponsored National Conference on Issues In Power Quality And Renewable Energy Systems, Department of Electrical and Electronics Engineering, Bharathidasan Institute of Technology, Tiruchirappalli, 29th & 30th April 2014.
8	K.K.Nambi kumarnath, A.Manivannan, "Simulation of Heat Pipe of Concentrating Photovoltaic System", TEQIP II Sponsored National Conference on Issues In Power Quality And Renewable Energy Systems, Department of Electrical and Electronics Engineering, Bharathidasan Institute of Technology, Tiruchirappalli, 29th & 30th April 2014.
9	H.Jegathese, A.Manivannan, "Simulation of a Solar Still Using Phase Change Material", TEQIP II Sponsored National Conference on Issues In Power Quality And Renewable Energy Systems, Department of Electrical and Electronics Engineering, Bharathidasan Institute of Technology, Tiruchirappalli, 29th & 30th April 2014.
10	Siddharth Ramachandran, A.Manivannan, "Performance Evaluation of Solar Hybrid PVT system with Change in Control Parameters", TEQIP II Sponsored National Conference on Issues In Power Quality And Renewable Energy Systems, Department of Electrical and Electronics Engineering, Bharathidasan Institute of Technology, Tiruchirappalli, 29th & 30th April 2014.
11	Siddharth Ramachandran, A.Manivannan, "Performance Evaluation Solar Hybrid PVT System with Semi-Circular Tubed Absorber Plate", Proceedings of 4th National Conference on Emerging Technologies in Electrical Engineering, 19 th April 2014, ISBN 978-81-926837-5-1-129 pp. 129-134.
12	B.Anushraj, A.Manivannan, "Thermal Analysis of Double Pipe Heat exchanger Using Various PCM", National Conference on Racing car Dynamics, pp. 89-92, 2nd April 2014 Noorul Islam Centre for Higher Education, Noorul Islam University , Thuckalay – 629 180.
13	S.Viswanath Prabu, A.Manivannan and K.Palanirajan, "R1408 – Performance Enhancement of Thermal Power Plant Boiler", Proceeding of the National Conference on Recent Advances in Mechanical Engineering (RAIME'14), pp 33-41, 28 March, 2014, Dept.Mech.Engg., National engineering College, K R Nagar, Kovilpatti – 628503, pp. 33 -41.
14	X.Goldwin Xavier, A.Manivannan, "Performance and Emission Characteristic of Biogas Blends as A fuel- A Review", 2nd National Conference on Recent Research in Mechanical Engineering, Adhiparasakthi College, Melmaruvathur, April 21, 2012.
15	Ravishankar.S, A.Manivannan, "An Experimental Investigation On Effects Of Thermal Cycling On Compacted Magnesium Composites Reinforced With Silicon Carbide And Waste Industrial Product Fly Ash, NCRTIME'12, Vol I, Saveetha University, Chennai, 22nd March 2012.
16	T.Bramelayya, A.Manivannan, "Effect of various parameters on the performance of a Biogas fuelled spark Ignition Engine", ETME 2012, 2nd and 3rd April 2012, K.L.N. College of Engineering, Pottapalayam, Sivagangai Dist.
17	V.M.Sararvanan, A.Manivannan, "BioDiesel Production From Mahua Oil Using Homogeneous Catalyst", ETME 2012, 2nd and 3rd April 2012, K.L.N. College of Engineering, Pottapalayam, Sivagangai Dist.
18	Sathish Khanna P, Manivannan A, "Modelling and Simulation of portable Solar Thermo Electric Refrigeration" Third National Conference on Emerging trends in power systems (ETPS 2012) Department of Electrical & Electronics Engineering, Pottapalayam, Sivagangai Dist, 11 th April 2012.
19	Manivannan A., Ramprabhu R., Tamilporai P and Chandrasekaran S. "A Computer Code for virtual Simulation of Extended Expansion Lean Burn Spark Ignition Engine", National Conference on Automotive Infotronics, IIT, Madras, 22nd & 23rd August 2003, SAEINDIA 030127.

Book / Chapter: -

Expert Lecture Delivered: -

Short Term Courses, Seminars, Workshop

Organized :

- National Conference on Advances in Mechanical Engineering (NME"2015) held on 30.04.2015 at Regional Office, Anna University Tirunelveli Region, Tirunelveli – 627 007

Attended :

Title of Workshop	Organised by	Duration		Number of days
		From	To	
Environmental Science and Engineering	MIT, Chromepet, Chennai	01.12.2003	06.12.2003	6 (One week)
Application of Computational Fluid Dynamics with Special reference to food industries	Kongu engineering College, Perunduari, Erode	15.03.04	28.03.2004	14
Role of Technical Education in Sustainable Development	Centre for Enviromental Studies & Centre for Water Resource, Anna University, Chennai	24.03.2005	26.03.2005	3
National seminar on “Advances in Thermal Engineering”	Mech.Engg., CIT , Coimbatore	On 31.03.06		1
Recent Advances in Automobile Engineering	IC Engine Division, Anna University, Chennai	22.03.07	23.03.07	2
Oil & Gas Industry – Academia Interface	Anna University, Chennai	On 5.04.07		1
CFD – Turbulent flow modeling	IIT, Chennai.	04.06.07	08.06.07	5 (One week)
Thermodynamics of Propulsion	Mech.Engg Dept., IIT, Chennai.	18.06.07	23.06.07	6 (One week)
Vacuum Technology and Process Applications	IIT, Kharagpur.	17.11.07	27.11.07	11 (Two Week)
National Programme on Technology Enhanced Learning	IIT, Madras	05.04.2010	09.04.2010	5(One week)
National Programme on Technology Enhanced Learning	IIT, Madras	20.04.2013		1
Engineering Thermodynamics	Under the National Mission on Education through ICT, MHRD, Conducted by IIT Bombay.	11.12.12	21.12.12	11(Two Week)
Engineering Mechanics	Under the National Mission on Education through ICT, MHRD, Conducted by IIT Bombay.	26.11.13	06.12.13	11 (Two Week)
Environmental Studies	Under the National Mission on Education through ICT, MHRD, Conducted by IIT Bombay.	02.06.2015	12.06.2015	11 (Two Week)
Geoinformatics for forest fire management	IIRS&ISRO, Department of Space, Government of India	02.04.2018	07.04.2018	06 (One Week)
Advanced image Analysis	IIRS&ISRO, Department of Space, Government of India	04.06.2018	18.06.2018	11 (Two Week)
One day workshop on “Writing Science, Engineering and Technology in Tamil”	பொறியியல் தொழில்நுட்பத் தமிழ் வளர்ச்சி மையம் Anna University Chennai and Anna University	On 18.10.2019		1

	<u>Regional Campus Tirunelveli</u>			
NPTEL-AICTE Faculty Development Programme on Energy Conservation and Waste Heat Recovery	NPTEL -AICTE	July –October 2019		12 week (1 ½ FDP)
MATLAB Programming for Meta-Heuristic Multi-Objective Optimization Tools Hands on Training	Department of Mechanical Engineering, Government College of Technology, Coimbatore – 641013	22.06.2020	26.06.2020	5(One Week)
Scientific Communication for Research Paper & Proposal Writing	Department of Information Technology, PSG College of Technology, Coimbatore	01.07.2020	03.07.2020	3
Fundamentals of Computational Fluid Dynamics and Numerical Simulation of Fluid Flows and Heat Transfer	Department of Mechanical Engineering, Government College of Technology, Coimbatore – 641013	06.07.2020	10.07.2020	5(One Week)
Finite Element Analysis	Department of Mechanical Engineering, Government College of Technology, Coimbatore – 641013	13.07.2020	17.07.2020	5(One Week)
Innovative Techniques for Sustainable Energy Development through Modeling of Mechanical Processes – (SERIES-I)	Department of Mechanical Engineering, KLN College of Engineering, Pottapalayam.	03.08.2020	08.08.2020	6 (One Week)
Mechanical Engineering Application in Telecom Industry	Rajiv Gandhi Memorial Telecom Training Centre BSNL	01.09.2020	21.09.2020	Three Weeks

Research Projects (ongoing/completed provide details in separate table): --

Name of the Project :	
Funding Agency :	
Amount Sanctioned :	
Duration of the Project :	

Consultancy Projects (ongoing/completed provide details in separate table):

Name of the Project :	CFD Analysis of Particle Separation in a Dense Media Cyclone
Funding Agency :	TATA STEEL
Amount Sanctioned :	4.37 Lakhs
Duration of the Project :	6 Months

Patents: ---

Type	National	International
Details		

Honours / Awards:

- Secured GATE (1998) Score of 85.81 (All India Rank : 871)