

**DEPARTMENT OF  
MECHANICAL ENGINEERING**

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Personal Details	
Name :	N.SHIVAKUMAR
Designation :	ASSISTANT PROFESSOR
Experience : :Academic	9 years 3 months
Area of specialization :	Nano Mechanical engineering, Molecular simulation.
Date of Birth :	14/12/1987
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Graduation / Schooling	University / Board	College / School	Aggregate	Year of passing
Ph.D.	NIT,Trichy	Department of Mechanical Engineering, NIT,Trichy	Pursuing	-
M.Tech (Nanoscience & Technology)	Anna University Tiruchirappalli	Anna university Tiruchirappalli, Tiruchirappalli-620024	85.00% (First class with distinction)	2011 (April)

B.E.,(MECH)	Anna University chennai	Anjalai Ammal Mahalingam Engineering College, Kovilvenni.	80.00% (First class With Distinction)	2009
HSC	State Board	Rajah's Higher Secondary School, Thanjavur.	77.77 %	2005
SSLC	State Board	Oriental. Hr. Sec. School, Thanjavur.	90.00%	2003

#### Publication Details

1. 'Novel Method of Nanoparticle Synthesis using Surface Grinding' authored by 'N. Shivakumar, T. Ramesh, Srividhya P. K., A. Pugazhenth, S. P. Manikandan' 'International Journal of Innovative Technology and Exploring Engineering (IJITEE)', ISSN: 2278-3075 (Online), Volume-9 Issue-5, March 2020, Page No. 1643-1646.
2. "Effect of Nano-Nickel Oxide Coating on Solar Flat Plate Collector" A. Pugazhenth, Srividhya P. K., N. Shivakumar' in International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8, Issue-11, September 2019

#### Research and Development Details

1. No of Research Projects Completed :- 1
2. No. of projects ongoing :-1

Si.No	Title of Conference/Seminar/Workshop/FDP	National /International	Year
1.	Presented and <b>won 2<sup>nd</sup> Prize</b> for a poster "PURERIAN" in <b>International conference</b> on "Green Food Processing Sector for Sustainable Safe Food Supply" held at IICPT, Thanjavur.	International Conference	<u>2010</u>

2.	Presented a paper on “ <b>Core Shell nanoparticles</b> ” in “ <b>Nanorevelations2010</b> ”_at Anna University, Trichy.	National Seminar	2010
3.	Got 2 <sup>nd</sup> Prize for presenting a poster titled “Vegetarian & Non-Vegetarian What Next?” in International conference on “Greening Food Processing Sector for sustainable Safe Food Supply” organized by IICPT, Thanjavur	Two Day International conference	2010
4.	Attended 10 day <b>Workshop</b> on “ <b>Engineering Thermodynamics</b> ”_conducted by IIT, Bombay	National Workshop	2012
5.	Attended National Technical Symposium “SPECTOL 12” held in PMU	National Symposium	2012
6.	Attended 10 day workshop on “ <b>Computational Fluid Dynamics</b> ” conducted by IIT, Bombay through NMEICT	National Workshop	2012
7.	Participated and contributed as Invitation and Certificate committee coordinator in 2 <sup>nd</sup> National Symposium on Shock Wave organized by SSWR and PMU	National Symposium	2012
8.	Acted as Project Models Demonstration committee Member in “ <b>AEROSPACE FESTIVAL 2013</b> ”	National	2012
9.	Attended and acted as committee member for the Two day National Seminar on “ <b>Carbon Reduction by Sustained use of Renewable Energy Sources</b> ” held in PMU	National Seminar	2013

10.	Attended 10 Days workshop on <b>“Engineering Thermodynamics ”</b> organized by IIT,Bombay with NMEICT(MHRD)	National Workshop	2013
11.	Presented <b>A Paper titled “Different Energy Recovery from Coir-Pith A Review ”</b> in an International conference on Disaster Mitigation and Management held in PMU	International Conference	2013
12.	Attended Two weeks ISTE workshop on <b>“Engineering Mechanics”</b> conducted by IIT Bombay at PMU	Two weeks ISTE workshop	2013
13.	Participated 4 day "Translation orientation programme"	National translation orientation programme	2014
14.	Attended Two week ISTE workshop on <b>“Fluid Mechanics”</b> organized by IIT,Khargapur with NMEICT(MHRD)	National Workshop	2014
15.	Participated in <b>“Engineering Physics”</b> organized by IIT Bombay at Periyar maniammai University.	Two week ISTE Short Term Training Programme	2015
16.	Attended One Day FDP on <b>“Beyond syllabus”</b> held at PMU	FDP	2015
17.	Acted as Jury in State Level TEKNOMEET15 held at Periyar Centenary Polytechnic College	State Level Technical Symposium	2015

18.	Participated in Two day National Conference on "Bio-Energy for sustainable Development" held at Periyar Maniammai University	Two day National Conference	2016
19.	Attended 1 week Faculty recharge programme on "Design and manufacturing" organised at PMU	1 week FDP	2016
20.	Attended two-day FDP on "Question Paper Setting and Evaluation reforms"	Two Day FDP	2016
21.	Participated 2 Day National Conference YUTRY-Sharpen Your Saw organized by CII,Trichy	Two Day National CII Conference	2017
22.	Attended two Day National Workshop on "Establishment and Management of Business Incubators" organized by NIMSME at NIMSME Hyderabad	2 day National Workshop funded by Periyar TBI	2017
23.	Attended 1 week FDP on "Business English Certificate"	1 week FDP at PMU	2017
24.	Attended "Faculty development programme on Teaching and learning"	1 week FDP	2017
25.	Attended 1 week FDP in "Experimental methods and laboratory practices in mechanical Engineering	1 week FDP	2017
26.	Participated two days international conference on "Trends in Emerging Energy Technologies"	International conference	2019
27.	Participated 1 day FDP on "Additive manufacturing & Hands on Session" at CIT, Coimbatore.	1 Day FDP	2019
28.	Participated 1 week FDP on "Additive manufacturing" at PMIST in collaboration with	1 week FDP	2019

	CIT, Coimbatore.		
29.	Attended 3 days FDP titled eyantra-Robotics programme at ITT, Bombay	3 days FDP	2019

Conference/Workshop/Seminar Organized			
1.	Acted as <b>Co-Organizing Secretary</b> in a National Workshop "iMACBOTZ" held in PMU	National Workshop	2012
2.	Acted as <b>co-ordinator</b> for International Workshop on "Robotics Design &Technology" held in PMU	International Workshop	2014
3.	Acted as <b>Zonal Coordinator</b> for " <b>Robotryst14</b> " organized by <b>IIT Delhi</b>	National workshop	2014
4.	Acted as <b>Co-ordinator</b> for National Level one day seminar on " <b>Design and Applications of Micro and nano Robotics</b> " held at PMU	National seminar	2015
5.	Given guest lecture on "Thermal engineering" at Periyar centenary polytechnic,Vallam.	Guest lecture	2019
6.	Acted as coordinator for "MECTRIX2K19" one day National level mechanical engineering department Technical symposium	National symposium	2019
7.	After as coordinator in webinar on "educational opportunities on abroad"	Webinar	2020

### **Training attended**

1. Two day training programme on ANSYS CFX at Department of Aerospace engineering/PMU on 2 & 3<sup>rd</sup> Jan/2017.

### **Academic Experience Details**

1. Worked As Assistant professor from 21.06.2011 to present. (9 years )

### **Other Training Programme attended Details**

1. Attended CNC Training Program from 22.07.2015 to 24 .07.2017