

FACULTY PROFILE

VIJAYAKUMAR. R

Personal Details

Salutation: Mr.

Instructor Name: **Vijayakumar. R**

Designation: **Assistant Professor (Senior Grade)**

Department: MECHANICAL ENGINEERING - NEC

Date of Joining in NEC: 07-05-2013

Mobile Number: 8056931350

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College Email Id: vijaymech@nec.edu.in

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Address for Communication

Address Line 1: 94-9E-3, NARAYANAGURU NAGAR **Pincode:** 628501

Address Line 2: SOUTH PUDHUGRAMAM **District:** TUTICORIN

City: KOVILPATTI **State:** TAMILNADU

Educational Qualifications

Sr	Name of the Degree	Specialization	Name of the Institute	Name of the University	Year of Passing
1	B.E	MECHANICAL	FRANCIS XAVIER ENGINEERING COLLEGE	ANNA UNIVERSITY	2010
2	M.E	ENERGY	NATIONAL ENGINEERING COLLEGE	ANNA UNIVERSITY	2013

Faculty Professional Experience

Sr	Name of Institute / Organizations	Designation	Date of Joining	To	Total Experience
1	National Engineering College	Assistant Professor	05-05-2013	30-03-2022	8 years 10 months

FDP/ Workshop/ Seminar/ Training/ Knowhow Program Attended

Sr	Name of the Event	Event Type	Name of the Institution or Organization	From	To
1	Advanced engines and emission	National Seminar	ANNA UNIVERSITY	03-03-2017	04-03-2017
2	Next Generation Technologies for sun wind conversion	National Seminar	NEC, Kovilpatti	28-02-2014	
3	HI -TEE Total Quality Management Programme	National Seminar	Pon jesley college of Engineering , Nagercoil	22-11-2013	23-11-2013
4	CAN BUS implementation practice for Mechanical Engineers	National Workshop	NEC, Kovilpatti	25-07-2013	26-07-2013
5	ADVANCEMENTS IN PHASE CHANGE MATERIAL BASED THERMAL AND RENEWABLE ENERGY TECHNIQUES	Faculty Development Program	LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING	01-06-2020	05-06-2020
6	Design of Heat Exchanger	Industrial Know-How Program	Try Cae	20-04-2020	30-04-2020
7	Industrial Training	Industrial Know-How Program	Brakes India, Chennai	03-01-2022	07-01-2022
8	Industrial Training	Industrial Know-How Program	M/s FAURECIA pvt ltd , Chennai	25-06-2018	30-06-2018
9	Pedagogy for online and blended teaching learning process (201x)	Faculty Development Program	IIT BOMBAY	03-05-2018	30-05-2018
10	Foundation program in ICT for education (101x)	Faculty Development Program	IIT BOMBAY	08-04-2018	12-04-2018
11	Industrial design and delivery systems	Short Term Training Program	NEC, Kovilpatti	22-05-2017	27-05-2017
12	Technology Enabled Teaching Learning Process	Short Term Training Program	NEC, Kovilpatti	27-05-2022	29-05-2017
13	GE6253 ENGINEERING MECHANICS	Faculty Development Program	NEC, Kovilpatti	16-12-2013	22-12-2013

International and National Conferences Attended

Sr	Name of the Conference	Event Type	Name of the Institution or Organization	Title of the Paper
1	4 th International Conference on Recent Advancements in Chemical, Environmental and Energy Engineering	International Conference Presentation	SSN College of Engineering	Trnsys Model and Comparison of Spiral Flow and Parallel Flow Flat Plate Solar Water Heating System

Sr	Name of the Conference	Event Type	Name of the Instituion or Organization	Title of the Paper
2	ICRTMC'19	International Conference Presentation	PET Engineering College	Performance analysis of small scale wind powered mobile charger
3	AMP17	International Conference Presentation	Kalasalingam University, Srivillipudur	Performance Improvement of single slope stepped absorber plate solar still using wicked coconut coir disk
4	3rd international conference on Advanced Design and Manufacturing	International Conference Presentation	Sethu Institute of Technology, Virudhunagar	Performance study of integrated solar water heater with asymmetric compound parabolic concentrator
5	RAME'19	National Conference Presentation	PSR Engineering College	Experimentation on Solar Air heater with Artificial Roughness
6	RAME,18	National Conference Presentation	PSR Engineering College	Enhancement of condensation Heat Transfer
7	NCRAME,17	National Conference Presentation	VV College of Engineering	Performance Investigation of forced convective solar dryer with thermal energy stored material

FDP/ Workshop/ Seminar/ Conference Programs Organized

Sr	Name of the Event	Event Type	Name of the Funding Agency	Amount received from funding Agency	Role
1	DST-SERB sponsored two days national level seminar on "CHALLENGES IN MATERIALS FOR ENERGY CONVERSION, STORAGE AND ENHANCEMENT APPLICATIONS	National Seminar	DST-SERB	₹ 0.00	Co-Coordinator
2	EMPLOYABILITY SKILL ENHANCEMENT PROGRAM	Short Term Training Program	Renault Nissan and Anna University	₹ 1,00,000.00	Co-Ordinator
3	EMPLOYABILITY SKILL ENHANCEMENT PROGRAM	Short Term Training Program	Renault Nissan and Anna University	₹ 1,50,000.00	Co-Ordinator

Guest Lecture Delivered

Sr	Name of the Event / Program	Name of the Institution / Organization	Title of the Lecture delivered	From	To
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Sr	Name of the Event / Program	Name of the Institution / Organization	Title of the Lecture delivered	From	To
1	SDP on solar based steam generation system	Bharathiyar University	Solar Thermal System Applications	24-01-2021	24-01-2021

Faculty Research Publications

Sr	Title of the Paper	Name of the Journal	Year of Publication	Authors	DOI (Digital Object Identifier System)
1	Heat transfer enhancement of air-concrete thermal energy storage system – CFD simulation and experimental validation under transient condition	journal of process mechanical engineering	2020	VJ Manoj Praveen, R Vigneshkumar, N Karthikeyan, A Gurumoorthis, R Vijayakumar and P Madhu	https://doi.org/10.1177/09544089211007370
2	Performance analysis of domestic solar air heating system using V-shaped baffles – An experimental study	journal of process mechanical engineering	2021	Vijayakumar Rajendran, Harichandran Ramasubbu, Karthick Alagar and Vignesh Kumar Ramalingam	DOI:10.1177/09544089211016256
3	Experimental study on the thermal performance of a solar air heater integrated with multi-geometry arrangements over the absorber plate	Environmental Science and Pollution Research	2022	Vijayakumar Rajendran, Harichandran Ramasubbu, Jaya Venkatesh Rajarathinam and Ramanan Pichandi	https://doi.org/10.1007/s11356-022-18830-x

Product Development Activities

Sr	Product Title	From	To	Funds Received	IPR Status
1	A PORTABLE APPARATUS FOR MAKING NIBBLES	02-01-2020	16-12-2021	₹ 2,50,000.00	Filed
2	AN APPARATUS FOR THE DECLUTTERING OF REFUSE FROM FREE-FLOWING GARBAGE	02-01-2021	10-12-2021	₹ 2,50,000.00	Filed
3	Cricket Bat seasoning Machine	23-12-2021	31-05-2022	₹ 2,50,000.00	