

Personal Details

Salutation: Dr.

Instructor Name: **Sankar. I**

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

Department: MECHANICAL ENGINEERING - NEC

Date of Joining in NEC: 04-07-2008

Date of Joining in Present Post: 10-07-2013

Mobile Number: 9894697322

College Id: MECT017

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Address for Communication

Address Line 1: 5/92 A, Manju nagar **Pincode:** 628503

Address Line 2: A.Salaiputhur **District:** Thoothukudi

City: Kovilpatti **State:** Tamilnadu

Educational Qualifications

Sr	Name of the Degree	Specialization	Name of the Institute	Name of the University	Year of Passing
1	Ph.D	Mechanical Engineering	National Engineering College	Anna University	2018
2	M.E	Manufacturing Engineering	National Engineering College	Anna University	2008
3	B.E	Mechanical Engineering	Dr.Sivanthi Aditanar College of Engineering	Anna University	2006

Faculty Professional Experience

Sr	Name of Institute / Organizations	Designation	Date of Joining	To	Total Experience
1	National Engineering College	Assistant Professor (S.G)	10-07-2013	24-04-2022	8 years 9 months
2	National Engineering College	Assistant Professor	01-11-2011	09-07-2013	1 year 8 months

Sr	Name of Institute / Organizations	Designation	Date of Joining	To	Total Experience
3	National Engineering College	Lecturer	04-07-2008	31-10-2011	3 years 3 months

FDP/ Workshop/ Seminar/ Training/ Knowhow Program Attended

Sr	Name of the Event	Event Type	Name of the Institution or Organization	From	To
1	National Faculty Development Programme in Entrepreneurship “	Faculty Development Program	Entrepreneurship Development Institute of India, Ahmedabad	16-12-2019	27-12-2019
2	Innovation and Technology Enterprise: Idea to Entrepreneurship	GIAN Course	National Institute of Technology Silchar	30-07-2018	10-08-2018
3	Advanced Materials Characterization Techniques	National Workshop	Indian Institute of Metals, Trivendrum	10-08-2017	10-08-2017
4	Tribology in Design	Short Term Training Program	Indian Institute of Technology Madras	07-11-2016	12-11-2016
5	Formulation of Research and Development Grant Proposals by Scientists and Technologists	National Workshop	National Engineering College	18-11-2015	20-11-2015
6	Intellectual Property Rights & Innovations	National Workshop	National Engineering College	07-11-2015	07-11-2015
7	Research Issues in Reinforced Materials	International Workshop	Kalasalingam University	30-03-2015	30-03-2015
8	Optimization Techniques for Engineering Applications	National Seminar	Velammal College of Engineering and Technology	05-04-2008	05-04-2008
9	Empowering Indian Engineering Education for Global Expectations	Faculty Development Program	National Engineering College	07-11-2014	08-11-2014
10	Research Issues in Reinforced Materials	National Workshop	Kalasalingam University	27-02-2013	27-02-2013
11	Recent Advances in Welding of Dissimilar Materials	National Workshop	National Engineering College	19-04-2013	20-04-2013
12	Analysis of Electrical Generators for Wind Energy Systems	National Workshop	National Engineering College	29-12-2008	30-12-2008
13	Micro Teaching	National Workshop	National Engineering College	18-07-2008	19-07-2008
14	Prior-art Searching with Google patents	National Workshop	Turnip Innovations Pvt.Ltd	05-09-2020	05-09-2020

Sr	Name of the Event	Event Type	Name of the Institution or Organization	From	To
15	Intellectual Property Rights	National Workshop	Pandit Deendayal Petroleum University	10-04-2020	11-04-2020
16	Scanning Electron Microscopy and X-Ray Diffractometer	Faculty Development Program	Indus University	25-05-2020	29-05-2020
17	Waste Management	Faculty Development Program	National Institute of Technical Teachers Training and Research, Chandigarh	11-05-2020	15-05-2020
18	IPR-Patent Filing & Processing in India	National Seminar	National Productivity Council	15-05-2020	15-05-2020
19	Step-by-Step for writing Research Articles	Faculty Development Program	Kalasalingam Academy of Research and Education	21-05-2020	21-05-2020

International and National Conferences Attended

Sr	Name of the Conference	Event Type	Name of the Institution or Organization	Title of the Paper	Authors
1	3rd International Conference On Recent Advances in Material Processing Technology (RAMPT 13)	International Conference Participation	National Engineering College	Effect of Fiber Volume Fraction on The Mechanical Properties of Coconut Sheath/USP Composite	I.Sankar, et al.,
2	Bilateral second International Conference on Advanced materials & Processing	International Conference Participation	Kalasalingam University	Synergy of fiber surface treatments and water absorption on the mechanical properties of palmyra fruit fiber reinforced polymer composites	I.Sankar, et al.,
3	National Conference on Vision of India with Technological Excellences	National Conference Participation	The Indian Engineering College	Design and optimization of large diameter bearing	I.Sankar, et al.,
4	Bilateral second International Conference on Advanced materials & Processing	International Conference Participation	Kalasalingam University	Performance Improvement of Single Slope Stepped Absorber Plate Solar Still using Wicked Coconut Coir	I.Sankar, et al.,
5	Bilateral second International Conference on Advanced materials & Processing	International Conference Participation	Kalasalingam University	Evaluation of Strength and Stiffness Characteristics of A3003 Aluminum Honeycomb Core Sandwich Panel	I.Sankar, et al.,

FDP/ Workshop/ Seminar/ Conference Programs Organized

Sr	Name of the Event	Event Type	Nature of funding	Name of the Funding Agency	Amount received from funding Agency	Role
1	Three days Entrepreneurship Awareness Camp-I	Short Term Training Program	Fund Received from external funding agency	National Science & Technology Entrepreneurship Development Board	₹ 20,000.00	Co-Ordinator
2	Three days Entrepreneurship Awareness Camp-II	Short Term Training Program		National Science & Technology Entrepreneurship Development Board	₹ 20,000.00	Co-Ordinator
3	Two weeks Faculty Development Program on Entrepreneurship	Faculty Development Program		National Science & Technology Entrepreneurship Development Board	₹ 2,50,000.00	Co-Ordinator
4	One-day "Illuminate (Pre-Eureka!) Workshop on Entrepreneurship"	Workshop		Department of Science and Technology	₹ 56,000.00	Co-Ordinator
5	Product Expo	National Workshop		Department of Science and Technology	₹ 3,000.00	Co-Ordinator
6	One-day unique lecture program, "Entrepreneurship Lecture Series"	National Seminar		Department of Science and Technology	₹ 3,000.00	Co-Ordinator
7	One-day seminar "Techno Entrepreneurs: Opportunities and Challenges"	National Seminar		Department of Science and Technology	₹ 0.00	Co-Ordinator
8	Three-day Illuminate (Pre-Eureka!) Workshop on Entrepreneurship	Workshop		Department of Science and Technology	₹ 13,950.00	Co-Ordinator

Guest Lecture Delivered

Sr	Name of the Event / Program	Name of the Institution / Organization	Title of the Lecture delivered	From	To
1	One day Seminar	G. Venkataswamy Naidu College, Kovilpatti	Entrepreneurship and innovation as career opportunity	24-01-2020	24-01-2020
2	One day Seminar	AAA College of Engineering and Technology, Sivakasi	Intellectual Property Rights	23-11-2019	23-11-2019

Sr	Name of the Event / Program	Name of the Institution / Organization	Title of the Lecture delivered	From	To
3	Faculty Development Program	National Engineering College, Kovilpatti	New Product Development and Intellectual Property Right	18-05-2019	18-05-2019
4	One day Seminar	Marthandam College of Engineering and Technology, Marthandam	Natural Fiber Composites	27-09-2018	27-09-2018
5	One day Seminar	P.A.C. Ramasamy Raja Polytechnic College	Composite Materials	15-09-2018	15-09-2018
6	One day Seminar	K.R. College of Arts and Science, Kovilpatti	Entrepreneurship as a Career Opportunity	12-01-2021	12-01-2021
7	One day Seminar	Kanchi sankara vidhyashram matric higher secondary school, Trichendur	How to Identify a Real-time Problem	28-08-2021	28-08-2021
8	One day Seminar	Tamilnadu Career Counsellors Association	Systematic approach of New Product Development Process	23-06-2021	23-06-2021
9	One day Seminar	V.O. Chidhambaram college, Thoothukudi	National Innovation and Start-up Policy	05-01-2021	05-01-2021
10	One day Seminar	P.A.C. Ramasamy Raja Polytechnic College	Entrepreneurship as a Career Opportunity	17-11-2021	17-11-2021
11	One day Seminar	A.P.C. Mahalaxmi College for Women	Workshop on Design Thinking, Critical Thinking & Innovation Design	31-01-2022	31-01-2022
12	One day Seminar	V.O. Chidhambaram college, Thoothukudi	Idea to Prototype: A systematic approach	21-03-2022	21-03-2022
13	Entrepreneurship Development Program 2022	Lakshmi Ammal Polytechnic College, Kovilpatti	Entrepreneurship	21-04-2022	22-04-2022

Faculty Research Publications

Sr	Title of the Paper	Name of the Journal	Year of Publication	Authors	DOI (Digital Object Identifier System)
1	Fiber loading and treatment effects on dry sliding wear of Palmyra fruit fiber composites	Science and Engineering of Composite Materials	2016	Sankar, I & Ravindran, D	https://doi.org/10.1515/secm-2014-0101
2	Investigation on Wear Behaviours and Worn Surface Morphology of Surface Treated Palmyra Fruit Fiber/Polyester Composites to Appraise the Effects of Fiber Surface Treatments	Polymer Composites	2018	Sankar, I, Ravindran, D, Siva, I & M, Thirukumaran	https://doi.org/10.1002/pc.24163

Sr	Title of the Paper	Name of the Journal	Year of Publication	Authors	DOI (Digital Object Identifier System)
3	Wear mechanisms in palmyra fruit-fiber-reinforced polymer Composites	Plastics Research	2018	Sankar, I, Ravindran, D & Siva	DOI 10.2417/spepro.006745
4	Combined effect of nano clay and fiber surface treatment on mechanical behaviors of palmyra fruit fiber/MMT clay reinforced polyester hybrid composite	International Journal of Computer Aided Engineering and Technology	2016	Sankar, I & Ravindran, D	
5	Modal analysis on the additive manufactured robotic segments: Effect of printing densities on the vibrational properties	Materials Today: Proceedings	2020	I Siva, DK Sangaran, PR Praveen Balan, P Siddharth, I Sankar	https://doi.org/10.1016/j.matpr.2020.07.230
6	Frictional response of functionally graded 3/2 natural rubber based lead-bismuth eutectic alloy metal rubber laminates	Materials Today: Proceedings	2020	I Siva, M Bharathi, C Krishnaveni, M Priyanka, I Sankar	https://doi.org/10.1016/j.matpr.2020.06.510
7	Evaluation of Mechanical and Free Vibrational Analysis of Vegetable Fiber Reinforced Polyester Sandwich Composites with Polyvinyl Chloride Core	SSRN	2020	Senthilkumar Krishnasamy, Siva Irullappasamy, Sankar Irullappasamy, Sandro Campos Amico, Suchart Siengchin	http://dx.doi.org/10.2139/ssrn.3653990
8	Post Impact Behavior and Compression After Impact Properties of Polymers and Their Composites—A Review	Impact Studies of Composite Materials	2021	I Siva, Avinash Shinde, I Sankar, Chithirai Pon Selvan, MTH Sultan	DOI: 10.1007/978-981-16-1323-4_4
9	Study on mechanical properties of glass wool/epoxy reinforced composite	International Journal of Computer Aided Engineering and Technology	2018	M Thirukumar, L Vadivel Kannan, I Sankar	
10	Effect of fiber volume fraction on the mechanical properties of coconut sheath/USP composite	Journal of Manufacturing Engineering	2013	W Siva, I Sankar, SC Amico	

Research Supervisor & Scholars Details

Sr	Name of the University	Name of the Faculty	Reference No. (Supervisor id Number)	Research Area	Date of supervisor recognition
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Sr	Name of the University	Name of the Faculty	Reference No. (Supervisor id Number)	Research Area	Date of supervisor recognition
1	Anna University	Mechanical Engineering	3320035	Composite materials	30-01-2019

Funded Research Project Details

Sr	Name of the Project	Principal Investigator	Co-Investigator	Amount of Fund Received	Funding Agency	Project Duration	Project Starting Date	Project Completion Date	Present Status
1	Development of Heat Resisting panels for cold storage using residue from water treatment plants	Dr.I.Sankar	Mr. Muruganatham.P, Mr. Sankarapandi.S, Mr. Mohana Sundaram and Mr. Mohamed Hussain S	₹ 10,000.00	Tamilnadu State Council for Science and Technology	6 months	27-01-2018	25-05-2018	completed

Membership in Professional Societies

Sr	Name of the Society / Organization	Type of Membership	Membership ID
1	The Institution of Engineers-India	Associate Member	AM1616709

Book / Book Chapters Published

Sr	Name of the Book	Name of the Chapter	Authors	Publisher	ISSN Number
1	Bio composites: Properties, Performance and Applications	The development of bio-sandwich Structures with Brazilian curaua Fiber / polyester as face and PVC as core for antifrictional applications.	I. Siva, M. Thirukumar, S. Anand Kumar, J.T. Winowlin Jappes, I.Sankar and Sandro C. Amico.	Nova Science Publishers	978-1-53612-120-9
2	Impact Studies of Composite Materials	Post Impact Behavior and Compression After Impact Properties of Polymers and Their Composites A Review	I Siva, Avinash Shinde, I Sankar, Chithirai Pon Selvan, MTH Sultan	Springer, Singapore	978-981-16-1323-4