


A1	Personal Details	
Prof.K.MUGUNDHAN		
Assistant Professor		
Department of Mechanical Engineering		
Knowledge Institute of Technology		
Ph: +91 - 9629653868		
E Mail ID: kmmech@kiot.ac.in		

A2	Areas of Interest	Kinematics and Dynamics, Composite Materials, Renewable Energy , Composite Materials & Engineering Mechanics.
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A3	Subject Taught	
Kinematics of Machinery	Hydraulics and Pneumatics	
Dynamics of Machinery	Process Planning and Cost Estimation	
Engineering Metallurgy	Production Planning and Control	
Engineering Graphics	Power Plant Engineering	
Engineering Mechanics	Entrepreneurship Development	
Renewable Energy Sources	Basics of Mechanical Engineering	

A4	Academic Background			
Degree	Specialization	Name of the Institute	University	Month and Year of Passing
B.E.	Mechanical Engineering	Government college of Engineering, Salem.	Anna University	2008
M.E.	Engineering Design	Sona College of Technology, Salem.	Anna University	2010
Ph.D.	Composite Materials	K.S.R.College of Engineering, Tiruchengode.	Anna University	Pursuing

A5	Work Experience as on Feb 2023						
Name of the Institution		Position		From		To	
Knowledge Institute of Technology, Salem		Assistant Professor		June 2011		Present	
Total Experience	16.10 Years	Teaching	12.8 Years	Research	6 Years	Industry	4.2 Years

A6	Research Publications				
Total Number of Publications	International Journal	National Journal	International Conference	National Conference	Total
		08	-	-	09
Publications (Journals)					
1	Published a research paper entitled "PERFORMANCE ENHANCEMENT OF AIR CONDITIONER USING POROUS STRUCTURE" IRJMETS , e-ISSN: 2582-5208 Volume:03/Issue:05/May-2021, PP:552-561				
2	Published a research paper entitled "DESIGN AND DEVELOPMENT OF AUTOMATIC CRADLE" IJATET ISSN: 2456-4664, Special Issue, pp: 119-124, 2019.				
3	Published a research paper entitled "ACCIDENT / INCIDENT REDUCTION BY IMPLEMENTING OF ZERO INCIDENT PROCESS IN CONTRACT LABOUR MANAGEMENT" IJATET ISSN: 2456-4664, Special Issue, pp: 60-64, 2019.				
4	Published a research paper entitled "Analysis of workplace safety and health hazards in Soda Recovery Plant" ANAS ISSN: 1995-0772 Vol 10, Issue 9, pp: 81-85, 2016.				
5	Published a research paper entitled "Electrical safety systems in Engineering Industry using What-If Analysis" ANAS ISSN: 1995-0772 Vol 10, Issue 9, pp: 106-111, 2016.				
6	Published a research paper entitled "Supervising and performance monitoring of high tension substation switch gear using GSM technique" IJAER ISSN: 0973-4562 Vol 10, Issue 9, pp: 112-115, 2016.				
7	Published a research paper entitled "Risk Analysis in paint shop using Hira" ANAS ISSN: 1995-0772 Vol 10, Issue 50 , pp: 73-78, 2015.				
8	Published a research paper entitled "Occupational Health & Safety in Textile Industry" IJRET ISSN: 2319-1163Vol 3, Issue 11, pp: 168-172, 2014.				
Recent Publications (Conferences)					
1	Presented a paper on "PERFORMANCE ENHANCEMENT OF AIR CONDITIONER USING POROUS STRUCTURE" @ KIOT-Salem, AMESHE2021				
2	Presented a paper on "A STUDY ON EMERGENCY MANAGEMENT IN MANUFACTURING INDUSTRY BY USING THE BOW-TIE ANALYSIS" " @ KIOT-Salem, AMESHE2021				
3	Presented a paper on "CFD Analysis of Carbon Capturing MOF with Chimney for Urban Areas" @ KIOT-Salem, AMESHE2021				
4	Presented a paper on "ELECTRICITY GENERATION FROM RESIDENTIAL WATER TANK" @ KIOT-Salem, AMESHE2019.				
5	Presented a paper on "AUTOMATIC CRADLE" @ KIOT-Salem, AMESHE2019.				
6	Presented a paper on "ACCIDENT / INCIDENT REDUCTION BY IMPLEMENTING OF ZERO INCIDENT PROCESS IN CONTRACT LABOUR MANAGEMENT" @ KIOT-Salem, AMESHE2019				

7	Presented a paper on “Combined Pedal For Brake And Acceleration” @ KIOT-Salem, AMESHE2018
8	Presented a technical paper entitled “Comparative Tribological Behaviour of Ni-Al ₂ O ₃ Nano Composite Coating On Three Different Substances ” at KIOT-Salem, AMESHE 2018
9	Presented a technical paper entitled “Portable Bio Gas Digester” at KIOT-Salem, AMESHE 2018

A 07	Memberships in Professional Bodies
S.No.	Name of the Professional Body
1.	Indian Society for Technical Education (ISTE)

A 08	Training Programmes Attended			
Sl. No	Program Title	Nature of the program	Date	Venue
1	Internet of Things	FDP	06.02.2023 to 10.02.2023	KIOT
2	Intellectual Property Rights, Research Innovations and Entrepreneurship Development	Online PDP	30.01.2023 to 03.02.2023	M.Kumarasamy College of Engineering (Autonomous), Karur.
3	Inculcating Universal Human Values in Technical Education	AICTE FDP	28.03.2022 to 01.04.2022	AICTE- New Delhi
4	Recent Trends in Optimization Techniques for Engineering Problems	Online FDP	07.03.2022 to 09.03.2022	Kongunadu College of Engineering and Technology, Trichy
5	Online Teaching and Learning Pedagogy	AICTE-ISTE FDP	01.03.2021 to 06.03.2021	KIOT
6	3D Printing & Design	ATAL- FDP	07.12.2020 to 11.12.2020	B S Abdur Rahman Crescent Institute of Science and Technology
7	Innovation in Materials and Industrial Automation	AICTE- STTP	19.10.2020 to 24.10.2020	Dr.N.G.P Institute of Technology

8	Examination Reforms	AICTE-FDP	29.04.2020 to 02.05.2020	AICTE- New Delhi
9	Green Technology and Energy Management	Seminar	04.01.2016	Sona College of Technology, Salem
10	Technical Communication (Two Week ISTE STTP organized by IIT-Bombay)	Workshop	08.10.2015 to 05.12.2015	KIOT
11	Metallography, Microstructure and Analysis with Hands on Training	Workshop	10.07.2015	M.Kumarasamy College of Engineering, Karur
12	Environmental Studies (Two Week ISTE STTP organized by IIT-Bombay)	Workshop	02.06.2015 to 12.06.2015	KIOT
13	How to Write Research Article	Workshop	28.08.2014	KIOT
14	Fluid Mechanics (Two Week ISTE workshop organized by IIT-Kharagpur)	Workshop	20.05.2014 To 30.05.2014	KIOT
15	Advancements in Mechanical, Environment, Safety and Health Engineering	Conference	03.05.2014	KIOT
16	Swarm and Evolutionary Optimization	Workshop	12.12.2013 To 13.12.2013	KIOT
17	Environmental Health & Safety in Organizations	Seminar	14.03.2013 To 15.03.2013	KIOT
18	FDP in Entrepreneurship (Sponsored by Ministry of Science and Technology, New Delhi)	Workshop	28.01.2013 To 09.02.2013	KIOT
19	Fluid Mechanics (Two Week ISTE workshop organized by IIT-Bombay)	Workshop	11.12.2012 To 21.12.2012	KIOT
20	Aakash for Education(Two Day ISTE workshop organized by IIT-Bombay)	Workshop	10.11.2012 To 11.11.2012	KIOT
21	MISSION10X	Workshop	20.02.2012 To 24.02.2012	VIT-Vellore
22	High Impact Teaching Skills	Workshop	20.02.2012 To 21.02.2012	VIT-Vellore
23	Modern Trends in Automobile Engineering	Workshop	17.02.2012	Annapoorna Engineering College, Salem

24	Heat Transfer (Two Week ISTE workshop organized by IIT-Bombay)	Workshop	29.11.2011 To 10.12.2011	KIOT
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A09	Universities Visited
1.	Anna University, Chennai, Coimbatore
2.	VIT University, Vellore