

FACULTY PROFILE

1. Name : A. Manojkumar
2. Designation : Assistant Professor (Sr.Gr)
3. Qualification : M.E
4. Department : Mechanical Engineering

5. DOB & Age as on 30.06.2021 : 27.06.1992 & 29 Years
6. Gender : Male
7. Address : 53/7A Erode road,
Nasiyanur, (Po),
Erode -638107.

8. Phone –Mobile : 9500677383
9. Email ID : manojmechneec@gmail.com

10. Marital Status : Married
11. Languages Known : English / Tamil



12. Particulars of Educational Qualification :

Name of the Degree	Specialization	Name of the College	Name of the University	Month & Year of Passing	% of Marks / Grade obtained	Class obtained
M.E	Engineering Design	Kongu engineering college	Anna University	May & 2015	8.98	First Class with Distinction
B.E	Mechanical	Nandha Engineering College	Anna University	April & 2013	8.46	First Class

13. Additional Qualification :

- i. GATE Score (In case of B.E. / B.Tech.) - 19.05

ii. NET / SLET (In case of M.C.A. / M.Sc. / M.A.) - Nil

14. Title of Ph.D. Thesis : Nil

15. Faculty in which Ph.D. was awarded/doing : Nil

16. Area of Specialization : Engineering Design

17. Academic Experience as on 13.9.2021 :

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
Velalar college of Engineering and Technology, Erode	Assistant Professor (Sr.Gr)	15.06.2015	Working Till Now	6	2	-

18. Industrial Experience:

Name of the Organisation	Designation	Nature of Work	Joining Date	Relieving Date	Experience		
					Years	Months	Days
Nil							

19. Research Experience : Nil

20. Number of projects:

i) Completed

Sl. No.	Title of the project	Funding Agency	Amount	Year (From-To)
Nil				

ii) On-going

Sl. No.	Title of the project	Funding Agency	Amount	Date of Commencement	Expected date of completion
Nil					

21. Number of Ph.D. candidates successfully completed : Nil

22. Number of Ph.D. candidates currently pursuing : Nil

23. Number of M.Phil. Candidates successfully completed: Nil

24. Number of M.Phil. Candidates currently pursuing : Nil

25. Publications:

i) Books

Sl. No.	Author/s	Title	Publisher	Year of publication	Page No.
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1.	Nil
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ii) Articles in Journals

Sl. No.	Title of Article	Journal	Volume No.	Page No.	Month & Year
1.	Wear Behaviour Of Aluminium Alloy 7075 Hybrid Reinforced Composite	International journal of innovative research in science, engineering and technology	7	3340 – 3345	April 2018
2.	Study On Tribological And Mechanical Behaviour Of AA 7075 Hybrid Reinforced Composite	International Journal of Intellectual Advancements and Research in Engineering Computations	7	2709 - 2715	April 2019

iii) Articles in Conferences

Sl. No.	Title of Article	Title of the Conference	Month & Year	Organised by
1	Nil			

iii) Monographs/Reports (if any) _____

26. Summer schools / Workshops / Seminars / Symposium / Conferences, etc., attended

S. No.	Period		Name of the Event	Topic / Title	Organized by	Only participated	Participated and presented the paper
	From	To					
1.	03.03.2015	-	Vibration Analysis of Nylon Gears using Wavelet technique	Vibration Analysis of Nylon Gears using Wavelet technique	NIT	-	Participated and presented the paper
2.	30.03.2017	31.03.2017	Futuristic Innovations In Mechanical Engineering And Manufacturing Management	Analysis The Vibration Characteristics Of Nylon Gears	M.Kumarasamy College of Engineering	-	Participated and presented the paper
3.	30.03.2017	31.03.2017	Futuristic Innovations In Mechanical Engineering And Manufacturing Management	Study On Wear Behaviors Of Al 7075/Al ₂ O ₃ + Sic/ Graphite Hybrid Composite	M.Kumarasamy College of Engineering	-	Participated and presented the paper

4.	05.03.2015	06.03.2015	International Conference on sustainable Materials (ICSM2K19)	Design and Analysis of polymer matrix composites(Blends)	Nandha Engineering College	-	Participated and presented the paper
5.	22.03.2019	-	International Conference on Recent Innovations in Engineering Technology and Management (ICRIETM-2019)	Study on tribological and mechanical behaviour of AA 7075 hybrid reinforced composite	Nandha Engineering College	-	Participated and presented the paper
6.	16.06.2020		Futuristic Trends in Mechanical, Materials & Manufacturing ICMMM, 2020	Design and simulation of fire fighting robot	St.Peter's institute of higher education and research	-	Participated and presented the paper
7.	02.03.2017		Workshop	Disaster Management	VCET	Participated	-
8.			Seminar	Non Destructive Testing	VCET	Participated	-
9.	06.11.2015		Workshop	Intellectual Property Rights & Innovations	VCET	Participated	-
10.	24.11.2015		Workshop	Safety and security in automobiles	Karpagam College of Engineering, Coimbatore	Participated	-
11.	18.10.2016		Webinar	Multiphase Flow Applications in Energy & Process Industries	VCET	Participated	-
12.	02.12.2016	03.12.2016	Training	Application of Finite Element Analysis in Mechanical Engineering	VCET	Participated	-
13.	06.02.2017	07.02.2017	Seminar	Application of NDT Techniques in Historical Monuments	VCET	Participated	-
14.	17.11.2017	18.11.2017	Seminar	Energy Management and Energy Audit	VCET	Participated	-
15.	10.08.2017	11.08.2017	Seminar	Improvement of Groundwater Management system in Erode District		Participated	-
16.	22.02.2018		Seminar	Siemens Certified Professional Program on PLM	Hotel Le Meridien, Coimbatore	Participated	-

17.	21.03.2018		Seminar	Nano Materials for Energy Applications	VCET	Participated	-
18.	02.06.2018		Seminar	Advance Cermet composite for Medical applications	VCET	Participated	-
19.	22.06.2018		Seminar	Bio materials based 3D cell Printing for next generation therapeutics and diagnostics	VCET	Participated	-
20.	10.08.2018		Seminar	Recent techniques in biomedical waste management system	VCET	Participated	-
21.	29.12.2018		Seminar	Flow Behavior and Texture Evolution of Lamellar Copper-silver Composite	VCET	Participated	
22.	21.08.2019	22.08.2019	Seminar	Machine Learning for Data Science and Analytics	VCET	Participated	-
23.	20.04.2020	24.04.2020	Webinar	Theme leading in a VUCA world	ICT ACADEMY	Participated	-
24.	04.05.2020		Webinar	Post Covid 19, Job opportunities and Entrepreneurial possibilities.	Francis Xavier Engineering College	Participated	-
25.	04.05.2020		Webinar	Importance of Materials in Engineering	Ramco Institute of Technology	Participated	-
26.	13.05.2020		Quiz	Basic kinematics of machines	Mahendra institute of engineering and technology	Participated	-
27.	05.06.2020		Webinar	Energy conservation	Francis xavier engineering college	Participated	-
28.	06.06.2020		Quiz	Production master	KSR college of engineering	Participated	-
29.	20.04.20	24.04.20	Webinar	Leading in VUCA world	ICT academy	Participated	-

27. Refresher / Orientation course / FDP, etc., attended

Sl. No	Period		Topic / Title	Organized by	Expenses met by VCET / Own /
	From	To			

					Organizer
1.	07.12.2015	14.12.2015	Computational Fluid Dynamics	Kumaraguru College of Technology, Coimbatore	Organizer
2.	02.12.2015	04.12.2015	Kinematics of Machinery	VCET	Organizer
3.	16.06.2016	18.06.2016	Dynamics of Machinery	VCET	Organizer
4.	02.03.2017	12.03.2017	Kinematics of Machinery	Nehru Institute Of Engg & Tech	Organizer
5.	12.06.2017	19.06.2017	CE6306 – Strength of Materials	K.S.Rangasamy College of Technology, Tiruchengode	Organizer
6.	26.03.2018	31.03.2018	Finite Element Analysis For all Disciplines	IIT,Chennai	Organizer
7.	10.07.2019		Understanding Additive Manufacturing	Coimbatore Institute of Technology, Coimbatore	Organizer
8.	01.05.2020		Importance of securing patent rights	Velammal Engineering college	Organizer
9.	11.05.2020	13.05.2020	Improving Your Research Visibility - Research Impact and Metrics	Velalar College of Engineering and Technology	Organizer
10.	01.05.2020	08.05.2020	Power plant cycles	Bhagwan Mahavir College of Engineering & Technology	Organizer
11.	24.05.2021	29.05.2021	MF 8071 Additive Manufacturing	Dr.N.G.P. Institute of Technology, Coimbatore	Organizer
12.	05.04.2021	12.04.2021	Design and Development of Products and services	R.M.K Engineering College	Organizer
13.	07.06.2021	12.06.2021	Innovations and Challenges in Industry 4.0 Automation and Smart Manufacturing	Kallam Haranadhareddy Institute Of Technology, Guntur	Organizer
14.	14.06.2021	18.06.2021	Bioconversion Technologies and Start-up Opportunities in Biofuels Production	AICTE Training And Learning (ATAL) Academy at Silver Jubilee Govt College	Organizer
15.	06.07.2021	10.07.2021	3D Printing and Design	AICTE Training And Learning (ATAL) Academy at Dr.Mahalingam College of Engineering and Technology	Organizer
16.	12.07.2021	16.07.2021	Inculcating Universal Human	All India Council for Technical	Organizer

			Values in Technical Education	Education(AICTE)	
17.	02.05.20		Importance of securing patent rights	velammal engineering college	Organizer
18.	11.05.20	13.05.20	Improving your research visibility	velalar college of engineering and technology	Organizer
19.	15.02.21	27.02.21	Renewable energy intervention in industrial applications	Rajeev gandhi memorial college of engineering and technolugu	Organizer
20.	22.02.21	26.02.21	productive tools in autocad	ICT academy	Organizer

28. a. Seminars / Conferences / Symposia / STTP / SDP / Workshops / ATAL organized

Sl. No	Date	Event	Status as organizer	Topic / Title	Name of the funding agency	Grant (Rs.)	Status (Applied/ Granted/In Progress / Completed) If completed the date of submission of UC with reference
1.	16.16.2016-18.06.2016	FDP	Organizer	ME 6505-DYNAMICS OF MACHINES	-	-	Completed

28. b. Acted as resource person / speaker etc.

Sl. No	Date	Event	Organizer	Topic / Title
	Nil			

29. Referee ship / Editorship of Journals, Conferences/Seminars chaired etc.:

Sl. No.	Name of the Journals and Conferences/ seminar	Organized by	Date / Period
1	Nil		

30. Chairman/Member of Authority/Committee etc:

Sl. No.	Chairman/Member/Secretary	Committee/Authority	Year (From-To)
1	Nil		

31. Membership to professional Organization/Associations:

Sl. No.	Name of the Association/Organizations	Life member/Ordinary member
1	International Association of Engineers: Hong Kong, Hong Kong, CN	Lifetime Member

32. Travelled Abroad for training or Studies (if 'yes' fill the following details) No

Country visited	Period of Visit		Purpose of Visit
	From	To	
Nil			

33. Consultancy Information's, if any - Nil

34. Details of the Patents, if any

Name of the Patent / Title	Published / Granted	Application No. & date	Indian / Others
Nil			

35. Details of the Copy Rights, if any

Name of the Copyright / Title	Category	Diary No. & date
Nil		

36. Research Proposals Sent:

S.No	Name of the Funding Agencies	Scheme	Title	Amount	Status
1	Council of Scientific & Industrial Research	Seminar	Nanocomposite Mechanical Structures and Assmblies	46,000/-	Applied
2	Council of Scientific & Industrial Research	Seminar	High Micron Level Decomposable Plastics	30,000/-	Applied
3	Tamilnadu State Council for Science and Technology	Seminar	Decomposable plastic materials	50,000/-	Applied
4	Tamilnadu State Council for Science and Technology	Seminar	Tribological behavior of hybrid composites.	70,000/-	Applied
5	Tamil Nadu State Council for Science and Technology	Seminar	Water conservation- The challenges	35,000	Applied
6	Council of Scientific & Industrial Research	Seminar	Recent Advances in Solar Energy and Potential Applications	40,000	
7	Council of Scientific	Seminar	Advanced Hybrid and	40,000	Applied

	& Industrial Research		Electrical Vehicles (AHEV) – An Eagle Eye View		
8	Indian Space Research Organisation	Seminar	Digital micro fluidics & nuclear magnetic resonance spectroscopy for insitu diffusion measurements and reaction monitoring	50,0000	Applied
9	Tamil Nadu State Council for Science and Technology	Seminar	Recent developments for more accurate prediction of creep crack growth rates in high temperature equipment	40,0000	Applied
10	Council of Scientific & Industrial Research	Seminar	Solar Vehicles – an Eagle Eye View	40,0000	Applied
11	Tamil Nadu State Council for Science and Technology	Seminar	Recent advancements in Micromechanics of fracture	25,000	Applied

37. Contribution for the Development of the Institution/ Department

a	To The Institution	
b	To the Department	

36. Student's Projects guided: (AY 2020-21)

Sl. No	Academic Year	Level	No. of Students	Title of the Project	Awards if any
1	2020-2021	UG	4	INVESTIGATION ON MECHANICAL PROPERTIES AND WEAR PERFORMANCE OF NYLON-6 AND MONTMORILLONITE CLAY MINERALS BY USING TAGUCHI TECHNIQUE	-
2	2020-2021	UG	4	DESIGN AND FABRICATION OF COMPRESSED AIR PRODUCTION WITH POWER GENERATION USING VEHICLE SUSPENSION	-
3	2020-2021	UG	4	DESIGN OF ELECTRICAL BICYCLE FOR PHYSICALLY HANDICAPPED PEOPLE	-
4	2020-2021	UG	4	MECHANICAL PROPERTIES COMPARISON OF PLA MATERIAL BY 3D PRINTING WITH FEA ANALYSIS	-

38. Awards/Recognitions :

39. Self Assessment of Performance

S. No.	Strengths	Weakness
1	Smart Working	-
2	Time Management	
3		