


Sri Sai Ram Engineering College
Department of Mechanical Engineering

Name: M.Manojkumar	
Designation:	Assistant Professor
Qualification:	M.E.,
Area of Specialization:	CAD-CAM
Experience:	Teaching- 7 Years & 5 months.
	Industry- 11 Months
Number of Workshops/ Conferences/ FDP Attended:	WORKSHOP- 5 NATIONAL/INT. CONFERENCE- 5 FDP Attended: 4
Publication:	Journal: National : 11 International : 02
	Conference: National: 05 International: 02
No. of workshop / Conferences / FDP organized	09

Research Guidance : NIL

Journal Reviewer : Renewable bioresources
Certification courses completed 40
Webinar 10

GENERAL : -

Membership:

1. **IAENG** (International Association of Engineers)
2. **UAMAE** (Universal Association of Mechanical and Aeronautical Engineers)

3. **IASTER** (International Academy for Science & Technology Education and Research)
4. **TERA** (Teaching and Education Research Association)
5. **IFERP-** (Institute for Engineering Research and Publications)

Staff Achievements: -

1. Received cash prize of Rs 1000, 3 times for producing best result during the year of 2014-2016.
2. My students Got first Prize for the Project “Conversion of Plastics to Fuel” in the project Expo’17 under my Guidance.
3. Received cash prize of Rs 2000, for producing 100% result during the academic year of 2016-2017.
4. My students secured third Prize for the Project “Improving productivity of Assembly Line by Upgradation” in the project Expo’18 under my Guidance.
5. Received cash prize of Rs 4000, for producing 100% result during the academic year of 2018-2019.
6. Scored B2 Upper intermediate level in CEFR (Common European Framework of Reference) for languages conducted by British Council.

Experience: (Details)

S.No	Institution	Designation	Experience	
			Years	Months
1.	Sri Sai Ram Engineering College, Chennai	Assistant Professor	5	9
2.	M.Kumarasamy College of Engineering, Karur	Assistant Professor	1	8
		Total	7	5

S.No	Industry	Designation	Experience	
			Years	Months
1.	Kumari Engineers Pvt Ltd	Project Engineer	-	11
		Total	-	11

Workshop/ FDP attended: (List)

S.No	Program Details	Program Venue	Date
1	Four Days Online International Faculty Development Programme (FDP) on “Solar Energy Applications”	Hindustan College of Engineering and Technology, Coimbatore	14/07/20 to 16/07/20

2	Online Workshop on “Intellectual Property Rights”	Pandit Deendayal Petroleum University	10/04/20 to 11/04/20
3	One day Workshop on “Intellectual Property Rights & Innovations”	Sri Sai Ram Engineering College, Chennai in association with Centre For Intellectual Property Rights (CIPR), Anna University, Chennai	July 20, 2019
4	Third National Finite Element Developers’ / Users’ Meet 2018 (NAFED 2018)	Panimalar Engineering College, Chennai	14/12/2018
5	FDP on Engineering Teaching Pedagogy and Effective Learning Process	Sri Sairam Institute of Management Studies, Chennai	03/12/2018 to 07/12/2018
6	Two Day Workshop on "Finite Element Analysis and its Industrial Applications"	Department of Production Engineering, Sri Sai Ram Engineering College, Chennai	06/08/2018 to 07/08/ 2018
7	Internal Auditor ISO 9001:2015 Quality Management System and Audit Training	Creative Management Consultants, Chennai	08/06/2018
8	One Day Workshop on "Industrial Applications of Jigs, Fixtures and Press Tools"	Department of Production Engineering, Sri Sai Ram Engineering College, Chennai	19/03/2018
9	FDP on Teaching Excellence in Engineering & Management Curriculum	Sri Sairam Institute of Management Studies, Chennai	20/06/2016 to 21/06/2016

Workshop/Conferences/FDP organized: (List) –

1. Organizing member for ISOMETIX 2014 a National Level Technical Symposium conducted by M.Kumarasamy College of Engineering, Karur.
2. Coordinator of a guest lecture on “Non Destructive Materials and Welding” Conducted by GIWI Industries, Trichy at M.Kumarasamy College of Engineering, Karur on September 2015.
3. Organizing Member of International Conference on “Futuristic Innovations in Mechanical

Engineering and Manufacturing Management” Conducted by M.Kumarasamy College of Engineering, Karur, on March 2016.

4. Organizing member of the workshop on “Synthesis of Composite materials by stir casting and its tribological testing-Hands on Training” Conducted by M.Kumarasamy College of Engineering, Karur, on April 2016.
5. Organizing member for PROLUX a National Level Technical Symposium conducted by Department of Production Engineering, Sri Sairam Engineering College, on August 2017.
6. Organizing member of a workshop on Industrial Applications of Jigs, Fixtures and Press Tools conducted by Sri Sairam Engineering College, on March 2018.
7. Coordinator for PROXYLE a National Level Technical Symposium conducted by Department of Production Engineering, Sri Sairam Engineering College, on August 2018.
8. Coordinator of a workshop on Finite Element Analysis and its Industrial Applications on August 2018.
9. Coordinator of a webinar on “Technology Behind BS VI” on 30th May 2020.
10. Coordinator for two days Hands on Training on “CATIA V5” conducted from 15.12.2021 to 16.12.2021.

Funded projects (List) – NIL

Publication :(Details) –

1. Anandha Moorthy, Manojkumar M, et al “Dry Sliding Wear and Mechanical Behaviour of Aluminium/Flyash/Graphite Hybrid Metal Matrix Composite Using Taguchi Method”, International Journal of Modern Engineering Research (IJMER), Volume 2, Issue3, May-June 2012, Page No: 1224-1230.
2. Anandha Moorthy, Manojkumar M, et al “Microstructure and Dry Sliding Wear Behavior of AA2218 Based Self-Lubricating Metal Matrix Composites”, International Review of Mechanical Engineering (IREME), Volume 7, Issue 6, September 2013, Page No: 1142-1146.
3. M.Manojkumar, R.Sivakumar, A.Anandha Moorthy “Optimization Technique to Study Dry Sliding Wear Behavior of Aluminium Alloy 2218 Based Metal Matrix Composite Materials”, International Journal of Advance Research and Innovative Ideas in Education (IJARIIE) Vol-1 Issue-5 2015.
4. Manojkumar M, R.Shanmuga Prakash “Wear Characteristics of Hybrid Al 6063 Matrix Composites Reinforced with Graphite and Fly Ash Particulates”, Applied Mechanics and

Materials (AMM), Vol. 854, pp. 1 – 9, October 2016.

5. M.R.Ashok, Manojkumar M, et al "Flexural Behavior of Sandwich Structure with AA 8011 Honeycomb Core and Al 1100 Face Skins" International Journal of Vehicle Structures & Systems, Vol. 10(6), 404-406, 2018.
6. Venkatesh Prasanna B.R., Inbanaathan P V, Manojkumar M "Recent Trends in Mechanical Engineering" International Journal of Science and Innovative Engineering & Technology" Vol. 1, May 2019.
7. Manojkumar M, C Clement F, et al "Bio Nano-Composite Materials for Food Packaging Applications" International Journal of Research and Analytical Reviews, Vol. 6, Issue 3 July 2019.
8. Manojkumar M, et al "LPDE/Alumina Based Bio-Nano Composite Materials for Food Packaging Applications" International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878 (Online), Volume-8 Issue-6, March 2020. Page No.: 802-805.
9. Dr.S.Arunprasad, M.Manojkumar, et al "Experimental Study on the Performance, Emission Characteristics Of C.I Engine Using Waste Cooking Oil" Ilkogretim Online - Elementary Education Online, 2020; Vol 19 (Issue 2): pp. 1863-1868.
10. V.Velmurugan, M.Manojkumar, et al "Evaluation Of Mechanical Properties Of Magnesium [AZ91] Reinforced With Carbon Nanotubes And Sic/Al₂O₃" Ilkogretim Online - Elementary Education Online, 2020; Vol 19 (Issue 4): pp. 6907-6914.
11. Dr.U.Tamilarasan, M.Manojkumar, et al "Mechanical Property Of Glass Fiber With Coir Fiber For Automobile Mudguard" Ilkogretim Online - Elementary Education Online, 2020; Vol 19 (Issue 3): pp. 4618-4625.
12. M.MAnojkumar, et al "Analysis and Implementation of Productivity Improvement in Cylinder Head Rough Machining" Ilkogretim Online - Elementary Education Online, 2020; Vol 19 (Issue 4): pp. 6896-6906.
13. V.Prabhu, M.Manojkumar, et al "Design And Development Of Braces For Flat Foot Ankle Injury Using Solid Works" Ilkogretim Online - Elementary Education Online, 2021; Vol 20 (Issue 1): pp. 5115-5124.

Conference :(list)

1. Manojkumar M "A Review on Wear Characteristics of Hybrid Al-Sic/Gr Composite under Dry Sliding Conditions", National Conference on Optimization Techniques in Engineering Science and Technology (OPTTEST), Bannari Amman Institute of Technology, Sathyamangalam, April-2012.
2. Manojkumar M, et al. "Application of Taguchi Techniques to Study Dry Sliding Wear Behavior of Hybrid Metal Matrix Composites", International Conference on Innovations in Engineering and Technology for Sustainable development (IETSD 2012), from 3rd to 5th September 2012 at Bannari Amman Institute of Technology, Sathyamangalam.
3. Manojkumar M "Optimization of Tribological Properties in Aluminium Based Self-Lubricating Composite Material Using Taguchi Technique", National Conference on Optimization Techniques in Engineering Science and Technology (OPTTEST), Bannari Amman Institute of Technology, Sathyamangalam, April-2013.
4. Manojkumar M "A Study of Mechanical and Microstructural Characteristics of Al6061/SiC and Al6061/Al₂O₃ Metal Matrix Composites Fabricated by stir Casting Method", National Conference on Smart Systems, EBET Technical Campus, Kangayam, 26th March-2016.

5. Manojkumar M, et al., “Wear characteristics of hybrid Al 6063 matrix composites reinforced with graphite and fly ash particulates”, International Conference on Futuristic Innovations in Mechanical Engineering and Manufacturing Management (ICFIMEMM-2016), from from 30th to 31st March 2016 at M.Kumarasamy College of Engineering, Karur.
6. Manojkumar “Microstructural and Mechanical Behaviour of Friction Stir Welded Magnesium Alloy” National Conference on Advancements in Mechanical, Manufacturing & Civil Engineering (NCAMMCE-18), M.Kumarasamy College of Engineering, Karur, 9th March 2018.
7. Manojkumar “Production and Purification of Green Product Liquid fuel from plastic waste by Instant arc heater” National Conference on Advancements in Mechanical, Manufacturing & Civil Engineering (NCAMMCE-18), M.Kumarasamy College of Engineering, Karur, 9th March 2018.