

Dr. G.MAHADEVAN**Assistant Professor (Sr. Grade)**

Department of Mechanical Engineering
University College of Engineering – BIT Campus
Anna University, Tiruchirappalli – 620 024
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**Research Area:**

Gas Tungsten Arc Welding

Educational Qualifications:

Qualification	Department	Institute/University	Year	Percentage
PhD	Welding	Anna University, Chennai	2018	--
M.E	Manufacturing Engineering	Madras Institute of Technology (MIT) Chennai	2006	8.0 (CGPA)
B.E	Mechanical Engineering	Govt. College of Engineering, Salem	2002	71.82

Experience:

Name of Company / Institutions	Designation of Post	From	To	Experience in Year
UCE, BIT Campus, Anna University Tiruchirappalli	Asst. Professor (Sr. Grade)	05-06-2015	Till Date	8 Yrs 3 Months
UCE, BIT Campus, Anna University Tiruchirappalli	Asst. Professor	22-09-2009	04-06-2015	5 Yrs 8 Months

Additional / Academic Responsibilities at University:

- AICTE Coordinator (July 2014 – Till date)
- Industry Institute Interaction Cell Coordinator (July 2013 – July 2014)

Professional Activities:

- TEQIP II sponsored Workshop on “Thrust areas for research and student projects” Department of Mechanical Engineering, University College of Engineering, BIT Campus, Tiruchirappalli, 13 – 14th October 2013.
- TEQIP II sponsored Symposium “CANDENTIA’14”, Department of Mechanical Engineering, University College of Engineering, BIT Campus, Tiruchirappalli, 21 – 22nd March 2014.
- TEQIP II sponsored one week value added course on “Modern Manufacturing Technologies” Department of Mechanical Engineering, University College of Engineering, BIT Campus, Tiruchirappalli, 23 - 29th July 2016.

Membership of Scientific and Professional Societies:

- MIE (Institution of Engineers)

Completed B.E/M.E Projects:

a. Number of ME Projects Completed	:	12	Nos
b. Number of BE Project Completed	:	45	Nos

List of Seminar / Short Term Course /FDP/ Workshop attended:

- Faculty Development Programme (2012), “Heat and Mass Transfer”, organized by Department of Mechanical Engineering, University College of Engineering, BIT Campus, Tiruchirappalli during 17 - 24th December 2012. (7 Days)
- Faculty Development Programme (2013), “Teaching Skills and Smart Class Room Tools”, organized by Centre for Faculty Development Anna University during 7th January 2013. (1 Day)
- Faculty Development Programme (2013), “Research Avenues in Welding Technology”, organized by Department of Mechanical Engineering, University College of Engineering, BIT Campus, Tiruchirappalli during 1 – 8th August 2013. (7 Days)

- Faculty Development Programme (2013), "Numerical Method and Optimization Techniques in Mechanical Engineering", organized by Department of Mechanical Engineering, University College of Engineering, BIT Campus, Tiruchirappalli during 19 – 26th August 2013. (7 Days)
- Workshop (2014), "New Outcome Based Accreditation", organized by Thiagarajar College of Engineering Madurai during 18 – 20th January 2014. (3 Days)
- Faculty Development Programme (2014), "Engineering Thermodynamics ", organized by Department of Mechanical Engineering, University College of Engineering, BIT Campus, Tiruchirappalli during 24th June to 1st July 2014. (7 Days)
- Workshop (2014) "Future trends in Powder metallurgy" organized by Department of Materials Science and Metallurgical Engineering, India Institute of Technology Hyderabad during 1 – 2nd December 2014.
- Faculty Development Programme (2015), "Application on GIS and Remote sensing", organized by Department of Civil Engineering, University College of Engineering, BIT Campus, Tiruchirappalli during 24 - 30th April 2015. (7 Days)
- Faculty Development Programme (2015), "Nano Technology Applications in Engineering and Technology", organized by Department of Petrochemical Technology, University College of Engineering, BIT Campus, Tiruchirappalli during 06 - 19th May 2015. (14 Days)
- Faculty Development Programme (2015), "Advanced Manufacturing Process for Automobiles", organized by Department of Automobile Engineering, University College of Engineering, BIT Campus, Tiruchirappalli during 20th May – 02nd June 2015. (14 Days)
- Faculty Development Programme (2015), "Thermal engineering Applications for Sustainable improvement", organized by Department of Mechanical Engineering, University College of Engineering, BIT Campus, Tiruchirappalli during 15 – 28th June 2015. (14 Days)
- Faculty Development Programme (2015), "Renewable Energy in Indian Power sector", organized by Department of Electrical and Electronics Engineering,

University College of Engineering, BIT Campus, Tiruchirappalli during 21 - 27th September 2015. (7 Days)

- Workshop (2016) “Automotive Materials (AUTOMAT’16)” organized by Department of Automobile Engineering, University College of Engineering, BIT Campus, Tiruchirappalli during 18 - 19th February 2016. (2 Days)
- Faculty Development Programme (2016), “Automotive Pollution and Control”, organized by Department of Automobile Engineering, University College of Engineering, BIT Campus, Tiruchirappalli during 1 - 8th June 2016. (7 Days)
- Faculty Development Programme (2016), “Numerical Methods and Statistical Tools in Engineering”, organized by Department of Automobile Engineering, University College of Engineering, BIT Campus, Tiruchirappalli during 09 – 22th June 2016. (14 Days)
- Faculty Development Programme (2019), “Cutting Edge Technology and Contemporary Research in Mechanical Engineering ”, organized by Department of Mechanical Engineering, Saranathan College of Engineering, Tiruchirappalli during 10th to 22nd June 2019. (14 Days)
- Faculty Development Programme (2020), “ICT Tools For Teaching Learning Process And Institute”, organized by Electronics and ICTAcademics, IIITDM Jabalpur, Ministry of Electronics and Information Technology during 10 – 21th August 2020. (12 Days)
- Faculty Development Programme (2020), “FINITE ELEMENT ANALYSIS USING ANSYS (FEAAS'20)”, organized by Department of Automobile Engineering, University College of Engineering, BIT Campus, Tiruchirappalli during 23 – 28th November 2020. (6 Days)

Publications:**International Journals:**

Sl.No.	Title of the paper	Authors	Name and volume of the Journal and year	Page No.	
				From	To
1	Evaluation of Surface Finish on Machining Of Mild Steel Using High Speed Steel Tool in Lathe with Normal Coolant (Or) Nano Material Added Coolant	T.R.Vikraman G.Mahadevan T.Senthil Kumar	IOSR Journal of Mechanical and Civil Engineering Volume 11, Issue 3, Ver.V, May-June 2014 eISSN: 2278-1684 pISSN: 2320-334X	01	09
2	Optimization of process parameters of diffusion bonding in Titanium on medium carbon steel and stainless steel joints	Edwin Lyonal W Mahadevan G SenthilkumarT	International Journal of Engineering Research and Science & Technology, Vol.4 No.3 August 2015 ISSN 2319-5991	27	37
3	Thermal Analysis of Diffusion Bonded Joints	K.Muthukumar, G.Mahadevan, T.Senthilkumar	International Journal of Engineering Science and Computing, May 2016 Volume 6 Issue No. 5	5372	5376
4	Experimental Investigation and Optimization of Material Removal Rate and Surface Roughness in Center less Grinding of	S.Dinesh , G.Mahadevan , T.Senthil Kumar	International Journal of Innovative Research in Science, Engineering and Technology Vol. 5, Issue 5, May 2016	8541	8549

	Magnesium Alloy Using Grey Relational Analysis				
5	Effect of Thermo Mechanical Analysis of GMAW by Using SA 387(Grade 12) Pressure Vessel Material	G.Vijayakumar, G. Mahadevan T. Senthilkumar, Kumaragurubaran	International Journal of Innovative Research in Science, Engineering and Technology Vol. 5, Issue 5, May 2016	8869	8876
6	Application of Box Benkhen Design in the investigation of GTA welded bead profile characteristics on AA6061 using alternating shielding gases	Mahadevan G, Senthilkumar T Chandrasekar M	Journal of Computational and Theoretical Nanoscience, Vol.15, Issue 2, February 2018.	725	735
7	Investigations on the Effect of Alternating Shielding Gases on Bead Profile Characteristics of AA6061 Aluminium Alloy using GTA Welding	G. Mahadevan T. Senthilkumar, Leo Joseph Besky	International Journal of Engineering Research & Technology, Vol.8, Issue 3, March 2019	294	303

International Conferences:

S.No	Title of the Paper	Authors	Details of the conference	Page No.	
				From	To
1	Prediction of edm process Parameter for Aluminum composite material using response surface methodology	B.Siva subramanian G.Mahadevan, T.Senthil Kumar S. Babu	Proceedings of International Conference on Energy Efficient Technologies For Automobiles (EETA' 15)	202	206
2	Thermal Analysis On GTAW Welded AA 6061 Joints	M.Tamilarasan G.Mahadevan T.Senthilkumar	International Conference on "Energy and Environmental Systems" TEQIP II Sponsored, Anna University, BIT Campus, Trichy March 10-12, 2017	274	277
3	Experimental Analysis of Alternating Shielding gas supply in TIG Welding	V.Gurubadham G.Mahadevan, T.Senthil Kumar	Proceedings of International Conference on Newer Engineering concepts & Technology - (ICONNECT – 2K17)	--	--