

FACULTY PROFILE

VEERA AJAY. C

Personal Details

Salutation: Mr.
Instructor Name: **Veera ajay. C**
Designation: **Assistant Professor**
Department: MECHANICAL ENGINEERING -
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**Date of Joining in
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Educational Qualifications

Sr	Name of the Degree	Specialization	Name of the Institute	Name of the University	Year of Passing
1	B.E	Mechanical Engineering	Mepco Schlenk Engineering College, Sivakasi	Anna University	2016
2	M.E	Manufacturing Engineering	PSG College of Technology, Coimbatore	Anna University	2018
3	Ph.D	Metal Matrix Composites	National Engineering College, Kovilpatti	Anna University	Pursuing

FDP/ Workshop/ Seminar/ Training/ Knowhow Program Attended

Sr	Name of the Event	Event Type	Name of the Institution or Organization	From	To
1	Industrial Hydraulics and Low Cost Automation	Course	Mepco Schlenk Engineering College, Sivakasi	02-02-2015	10-04-2015

Sr	Name of the Event	Event Type	Name of the Institution or Organization	From	To
2	Composite Materials for Armour Applications	National Seminar	PSG College of Technology	25-01-2018	
3	Insights of Research in Welding Engineering and Additive Manufacturing	National Workshop	Mepco Schlenk Engineering College	14-09-2018	15-09-2018
4	Entrepreneurship Awareness Camp	National Seminar	Entrepreneurial Park, PSG College of Technology, Coimbatore	08-12-2018	10-12-2018
5	Identification of Research Opportunities and appropriate funding schemes	National Workshop	Bannari Amman Institute of Technology, Sathyamangalam	08-02-2019	
6	Principles of metal forming	Course	Indian Institute of Technology, Roorkee	01-07-2019	20-09-2019
7	Research and Development in Materials Behaviour, Processing and Characterization Techniques	Faculty Development Program	GLA University, Mathura	09-06-2020	14-03-2022
8	Introduction to Composites	Course	Indian Institute of Technology, Kanpur	01-09-2020	07-12-2020
9	Advanced Machining Process	Course	Indian Institute of Technology, Madras	02-08-2021	18-10-2021
10	Additive Manufacturing: Lab Scale to Field Scale	Faculty Development Program	Indian Institute of Technology, Palakkad	13-12-2021	17-12-2021

International and National Conferences Attended

Sr	Name of the Conference	Event Type	Name of the Institution or Organization	Title of the Paper	Authors
1	CPDVM'17 Conference	National Conference Presentation	PSG College of Technology, Coimbatore	Analysis of Cutting Force while Turning different materials using Lathe Tool Dynamometer	C. Veera ajay
2	NCPDVM'18 National Conference	National Conference Presentation	PSG College of Technology, Coimbatore	Optimization of Thrust Force and Wall Angle in Single Point Incremental Forming of Ti-6Al-4V Alloy	C. Veera ajay
3	NCEEE-2018 National Conference	National Conference Presentation	Bannari Amman Institute of Technology, Sathyamangalam	Reduction in Surface Wear of Components using Thermal spray Coating	C. Veera ajay

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4	National level Conference on Advanced Materials, Robotics and Automation (CAMRA-2019)	National Conference Presentation	Bannari Amman Institute of Technology, Sathyamangalam	Analysis of Cutting Force for Drilling Operation using Drilling Machine Dynamometer	C. Veera ajay
5	ICEAT'18 International Conference	International Conference Presentation	Sri Krishna College of Technology, Coimbatore	Dimensional Inspection of Incremental Sheet Metal Formed Component by Coordinate Measuring Machine	C. Veera ajay
6	ICEAT'18 International Conference	International Conference Presentation	Sri Krishna College of Technology, Coimbatore	Study on Single Point Incremental Forming of Inconel 718	C. Veera ajay
7	International Conference on Materials, Manufacturing and Machining (ICMMM-2019)	International Conference Presentation	Bannari Amman Institute of Technology, Sathyamangalam	Incremental Sheet Metal Forming (ISMF): A literature review	C. Veera ajay
8	International Conference on Materials Science and Manufacturing Technology 2019 (ICMSMT 2019)	International Conference Presentation	Sri Sakthi Engineering college, Coimbatore	Comparing the Geometrical Accuracy of a 3D Printed Pattern to a Metal Pattern	C. Veera ajay
9	2nd International Mechanical Engineering Congress	International Conference Presentation	National Institute of Technology, Trichy	Optimization of Process Parameters in Turning of Aluminium Alloy using Response Surface Methodology	C. Veera ajay
10	CSIR sponsored International conference on Advances in Materials Research	International Conference Presentation	Bannari Amman Institute of Technology, Sathyamangalam	Parameter Optimization in Incremental forming of Titanium Alloy Material	C. Veera ajay
11	CSIR sponsored International conference on Advances in Materials Research	International Conference Presentation	Bannari Amman Institute of Technology, Sathyamangalam	Studies on Electric Discharge Machining of AA6063 Alloy using Taguchi Approach	C. Veera ajay
12	2nd International conference on Recent Trends in Metallurgy, Materials Science and Manufacturing	International Conference Presentation	National Institute of Technology, Trichy	Prediction of forming force in Incremental forming of Ti-6Al-4V alloy material	C. Veera ajay
13	International Conference on Materials, Manufacturing and Machining for Industry 4.0 (ICMMM 2.0)	International Conference Presentation	Bannari Amman Institute of Technology, Sathyamangalam	Design and Fabrication of Manually Operated Banana Fiber Extracting Machine for Agriculture Applications	C. Veera ajay

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14	International Conference on Materials, Manufacturing and Machining for Industry 4.0 (ICMMM 2.0)	International Conference Presentation	Bannari Amman Institute of Technology, Sathyamangalam	Optimization of Mechanical Behaviour of TIG Welded 316 Stainless Steel Using Taguchi based Grey Relational Analysis Method	C. Veera ajay
15	Second International Conference on Recent Advances in Materials and Manufacturing (ICRAMM 2020)	International Conference Presentation	Velalar College of Engineering and Technology, Erode	Experimental optimization of cutting parameters in turning of brass alloy using Taguchi	C. Veera ajay
16	International Conference on Energy and Materials Technologies (ICEMT - 2021)	International Conference Presentation	Sri Sivasubramaniya Nadar College of Engineering, Chennai	Study on the Wear Behaviour of Magnesium Metal Matrix Composites Reinforced with Titanium Dioxide (TiO ₂)	J. Yadu Krishnan, K. Thoufiq Mohammed, C. Veera ajay, and K. Manisekar
17	International Conference on Energy and Materials Technologies (ICEMT - 2021)	International Conference Presentation	Sri Sivasubramaniya Nadar College of Engineering, Chennai	Effect of Process Parameters on Single Point Incremental Forming of Titanium Grade 5 Sheet Metals and its Optimization using Taguchi's Metho	C. Veera ajay, S. Elangovan, S.Pratheesh Kumar, R.Mohanraj, and K. Manisekar.

Faculty Research Publications

Sr	Title of the Paper	Name of the Journal	Year of Publication	Authors	DOI (Digital Object Identifier System)
1	AN ANALYSIS OF PERFORMANCE PARAMETERS AND EFFECT OF COPPER TUNGSTEN AND GRAPHITE ELECTRODES ON H13 TOOL STEELS IN EDM Authors C VEERA AJAY, TD CHANDRA GURU	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)	2018	C VEERA AJAY and T. D. CHANDRA GURU	
2	Comparing the Geometrical Accuracy of a 3D Printed Pattern to a Metal Pattern	IOP Conference Series: Materials Science and Engineering	2019	C.T. Justus Panicker, C. Veera ajay, C. Boopathi and R. Vivekanandan	https://doi.org/10.1088/1757-899X/561/1/012042
3	Incremental sheet metal forming (ISMF): A literature review	AIP Conference Proceedings	2019	C. Veera Ajay, C. Boopathi, and P. Kavin	https://doi.org/10.1063/1.5117955

Sr	Title of the Paper	Name of the Journal	Year of Publication	Authors	DOI (Digital Object Identifier System)
4	REDUCTION IN SURFACE WEAR OF COMPONENTS USING THERMAL SPRAY COATING	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)	2019	C VEERA AJAY	
5	Parameter Optimization in Incremental Forming of Titanium Alloy Material	Transactions of the Indian Institute of Metals volume	2020	C. Veera ajay	https://doi.org/10.1007/s12666-020-02044-1
6	Comparison of geometrical accuracy and surface finish of cam profile generated by wire-EDM and CNC milling machine	IOP Conference Series: Materials Science and Engineering	2020	BA Pradeep, C Boopathi, RK Sanjeev, V Meganathan	https://doi.org/10.1088/1757-899X/764/1/012041
7	Studies on single point incremental forming of Ti-6Al-4V alloy for aerospace applications	Materials Today Proceedings	2020	C.Veera ajay, S.Elangovan, C.T.Justus Panicker	https://doi.org/10.1016/j.matpr.2020.03.162
8	Prediction of forming force in incremental forming of Ti-6Al-4V alloy material	Materials Today Proceedings	2021	C.Veera ajay	https://doi.org/10.1016/j.matpr.2020.05.709
9	Experimental optimization of cutting parameters in turning of brass alloy using Taguchi method	Materials Today Proceedings	2021	J.Yadu Krishnan, S.Poorna Sundar, L.Karthikeyan, C.Veera Ajay, K.Manisekar	https://doi.org/10.1016/j.matpr.2020.09.561
10	Design and fabrication of manually operated banana fiber extracting Machine for agriculture applications	Materials Today Proceedings	2021	C.Veera ajay, K.Vignesh Ramamoorthy, V.Subash, R.Robinston, M.Ragashwar, C.T.Justus Panicker	https://doi.org/10.1016/j.matpr.2021.03.095
11	Optimization of mechanical behaviour of TIG welded 316 stainless steel using Taguchi based grey relational analysis method	Materials Today Proceedings	2021	V.Vinoth, R.Sudalaimani, C.Veera Ajay, C.Suresh Kumar, K.Sanjeevi Prakash	https://doi.org/10.1016/j.matpr.2020.12.1002
12	C Veera ajay Studies on Electric Discharge Machining of AA6063 Alloy Using Taguchi Approach	Springer Proceedings in Materials	2021	C. Boopathi, C. Veera Ajay, S. Manoj Vignesh, S. M. Saravanakumar	https://doi.org/10.1007/978-981-15-8319-3_5

Sr	Title of the Paper	Name of the Journal	Year of Publication	Authors	DOI (Digital Object Identifier System)
13	Multi-objective optimization in incremental sheet forming of Ti-6Al-4V alloy using grey relational analysis method	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering	2021	C Veera Ajay, S Elangovan, S Pratheesh Kumar, K Manisekar	https://doi.org/10.1177/09544089211063715
14	Multiple response optimization of WEDM parameters using grey relational method	Materials Today Proceedings	2021	S.Sudharsan, R.Arul, C.Veera ajay, S.Veerakumar	https://doi.org/10.1016/j.matpr.2021.11.164
15	Mechanical Characterization and Micro-structural Analysis on AA2024 Hybrid Composites Reinforced with WC and Graphene Nanoparticles	Transactions of the Indian Institute of Metals	2022	Arulselvan Subburaj, Arul Marcel Moshi Antony Joseph Decruz, Veera Ajay Chandra Moorthy & Ravindran Durairaj	https://doi.org/10.1007/s12666-021-02488-z
16	A Study on Machining Parameter Optimization in Turning of Al7075 Using Taguchi Approach	Advances in Sustainable Development	2022	L Karthikeyan, C Veera Ajay	https://doi.org/10.1007/978-981-16-4400-9_17