

St. Joseph's College of Engineering – Chennai 600119
Department of Mechanical Engineering
Faculty Information Sheet

Staff Name	:	M.ARUN
Faculty ID	:	TME17
Designation	:	ASSOCIATE PROFESSOR
Qualification	:	M.E; (Ph.D)
E- Mail ID	:	camrun4a.5a@gmail.com
Total Experience (Years)	:	15
Teaching Experience (Years)	:	15
Area of specialization	:	Manufacturing Engineering, Machining and Material Characterization
Subjects handled in UG with Subject Code	:	<ol style="list-style-type: none"> 1. Engineering Graphics - GE6152(R 2008) 2. Engineering Mechanics - GE8292 (R 2017) 3. Basic Civil and Mechanical Engineering - GE2152 (R 2008) 4. Fluid Mechanics and Machinery - ME2204 (R 2008) 5. Manufacturing Technology – I ME8351 (R 2017) 6. Engineering Materials and MetallurgyME2253 (R 2008) 7. Automobile Engineering - ME2354 (R 2008) 8. Hydraulics and Pneumatics - ME8694 (R 2017) 9. Unconventional Machining Processes - ME2026 (R 2008) 10. Computer Integrated Manufacturing Systems - ME6703 (R 2013)
Subjects handled in PG with Subject Code	:	<ol style="list-style-type: none"> 1. Micro Manufacturing - MF7103 (R 2013) 2. Theory of Metal Forming - MF7203 (R 2013) 3. Metal Cutting Theory and Practice - MF7004 (R 2013)
Department Responsibilities Held	:	<ol style="list-style-type: none"> 1. Incharge of Machine shop 2. Incharge of IAE, Model and University Exam Invigilation duty 3. Final year Symposium winners - Incharge 4. QIC and Entrepreneur Development Cell – Incharge 5. Auto Quiz Event Organizer at Intercollegiate Symposium
Journals published	:	<ul style="list-style-type: none"> ● Arun. M, Sathishkumar. N, Nitheshkumar. K, Ajai. S.S, Aswin. S 2020 “Development of patient specific bio-polymer incisor teeth by 3D printing process: A case

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		<p>study” , Materials Today: Proceedings</p> <ul style="list-style-type: none"> • M. Arun, N. Arunkumar, R. Vijayaraj, B.Ramesh, 2018, “Investigation on the performance of deep and shallow cryogenic treated tungsten carbide drills in austenitic stainless steel”, Measurement 125, pp. 687 – 693, ISSN 0263 – 2241. IF- 2.791 • M. Arun, N. Arunkumar, R. Vijayaraj, Jan 2016, “Experimental investigation of dry drilling of austenitic stainless steel”, ARPN Journal of Engineering and Applied Sciences, Vol. 11, No. 2, pp. 1232 -1236, ISSN 1819 - 6608 • M. Arun, N. Arunkumar, R. Vijayaraj, G. Benson, 2015 “Performance evaluation of dry drilling of stainless steel using cryogenic treated drills”, International Journal of Applied Engineering Research, Vol.10 No.32, pp. 23887 – 23893, ISSN 0973 - 4562. • M. Arun, P. Siva Kumar, R.V. Roshan, 2015, “Through Pass Rate Improvement in a Assembly Line by BPS Methodology: A Case Study of a Manufacturing Company”, International Journal of Manufacturing and Mechanical Engineering, Vol. 2, No.1, pp. 1- 14.
National Conference Attended	:	Presented Paper titled “Finite Element Simulation of Grinding”on Contemporary Approaches in Design and Manufacturing at ACCET, Karaikudi, March 2005
Faculty Development Programme Attended/ Workshops Attended	:	<p><u>Faculty Development Programme</u></p> <ol style="list-style-type: none"> 1. Attended 6 days Webinar FDP on “Recent Innovations and Futuristic Scope for Research in Internal Combustion Engines” conducted by St. Joseph's College of Engineering from 29th June to 4th July 2020.

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2. Attended 5 days Webinar FDP on “**Testing of Materials for Engineering Applications**” by Meenakshi Sundararajan Engineering College, Chennai, from 22nd June to 26th June 2020.
3. Attended 6 days Webinar FDP “**Advanced Research Methodology and Innovative Teaching Pedagogy**” conducted by Institutions for Engineers from 8th June to 13th June 2020.
4. Attended 2 days online FDP on “**Additive Manufacturing**” conducted by SA Engineering College on 15th May and 16th May 2020.
5. AICTE Sponsored six days National Level FDP on “**3D Printing: Concepts, Methods and Applications**” at Rajalakshmi Institute of Technology from 4th November to 9th November, 2019.
6. AICTE Sponsored two weeks FDP on “**Fundamentals of Vibration – Measurement, Analysis and Control**” at St. Joseph's Engineering College from 30th October to 10th November 2017.

Workshops Attended

1. “**Design of Experiments: An Engineering Perspective**”, online workshop from 25th to 27th April 2020 conducted by Journal of Advanced Engineering Research.
2. “**Manufacturing Application of Micro manufacturing for Automobile Components**” at St. Joseph's Institute of Technology on 16th and 17th July 2019.
3. “**Recent Developments in Metal Forming and its Research Aspects**” at SRM, Kattankulathur, on 29th to 30th November 2018.

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		<p>4. “Advanced Design and Development from Solid Modelling and Rapid Prototype Techniques” at SKR Engineering College, on 23rd November 2017.</p> <p>5. “Advances in Manufacturing Technology” at MIT Campus, Anna University, on 10th March 2010</p> <p>6. Two Days workshop on “Emerging Trends in Supply Chain Management” at SVCE, Sriperumbadur, on 18th and 19th September 2009.</p> <p>7. Two days workshop on “Automotives Mechatronics” at True Sai Automobile Training Institute, Salem, on 6th and 7th February 2009</p> <p><u>Seminar:</u></p> <p>1. Two Days National Seminar sponsored by DST – SERB on “Role of smart Materials in Aerospace and Engineering Applications” at St. Joseph's College of Engineering on 16th and 17th December 2019.</p>
NPTEL Courses Attended	:	<p>1. Attended 12 week course on: Fundamentals of Manufacturing Processes - July 2018, got Elite certificate.</p> <p>2. Attended 8 week course on: Fundamentals of Welding Science and Technology - Jan 2019, certified Elite + Silver.</p> <p>3. Attended 8 week course on: Principles of Metal Forming – July 2019, certified Elite + Silver.</p>
No. of UG Projects Guided	:	15
No. of PG Projects Guided	:	03

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Awards or Achievements	:	<ol style="list-style-type: none">1. NPTEL Translator in Tamil regional Language on “Introduction to Fluid Mechanics”2. Guided the students on “Fabrication and Comparison on Rotary Valve Engine with Cam Assembly Engine” got INAE Innovative Project Award, 2009.
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