

<i>Name</i>	Mr.T.Prabhuram
<i>Designation</i>	Assosiate Professor
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<i>Date of birth</i>	28.15.1977
<i>Qualification:</i>	M.E.,
<i>Years of Experience:</i>	Total of 23.3 Years
	Teaching: 20.7 Years
	Industry: 2.8 Years
<i>Subjects handled:</i>	<ol style="list-style-type: none"> 1. Engineering Graphics 2. Basic Civil and Mechanical Engineering 3. Manufacturing Technology – I & II 4. Engineering Thermodynamics 5. Thermal Engineering 6. Renewable Energy Sources 7. Power Plant Engineering 8. Unconventional Machining Processes 9. Principles of Management
<i>Area of research:</i>	Supply Chain Management
<i>Guide ship Details:</i>	NA
<i>Research Guidance:</i>	NA
<i>Awards and Achievements(Journal editors):</i>	NA
<i>Journal Publication Details:</i>	<ol style="list-style-type: none"> 1. T. Prabhuram, V. Somurajan and S. Prabhakaran, "Hybrid composite materials," Frontiers in Automobile and Mechanical Engineering -2010, Chennai, 2010, pp. 27-31. doi: 10.1109/FAME.2010.5714794 2. M. Subburaj, S. Prabhakaran and T. Prabhuram, "Implementation of DMAIC principle-six sigma technique on road safety," Frontiers in Automobile and Mechanical Engineering -2010, Chennai, 2010, pp. 368-372. doi: 10.1109/FAME.2010.5714861 3. D.Elil raja, T.Prabhuram, P.Sabarish Kumar, R.Ranjith Kumar "Integrated fixture layout optimization method" TAGA Journal Of Graphic Technology, Vol. 12 (2018), pp. 479-501. 4. S. Prathap Singh, D. Elilraja, T. Prabhuram & J. Immanuel Durairaj, "Investigation of tensile properties of Alkali treated

Andanus Odoratissimus Fiber Reinforced With Polymer Matrix Composite", International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) ISSN (P): 2249-6890; ISSN (E): 2249-8001 , Vol. 8, Special Issue 8, Aug 2018, 403-407

5. Chrispin Das M, Rajidap Neshtar R.I, Prathap Singh S, Elil Raja D, **Prabhuram T**, "Effects of Addition of Ground Nut Shell Particulates (GSP) on the Mechanical Properties AFF/PF Composites", Studies in Indian Place Names, Vol-40-Issue-3, February-2020, pp. 7079 – 7085, (**UGC Care Journal**)
6. M.Chrispin Das, S.Prathap Singh, D.Elil Raja, **T.Prabhuram**, "Evaluation of Mechanical properties of Banana fiber & Particulate reinforced epoxy composite" Studies in Indian Place Names, Vol-40-Issue-3, February-2020, pp. 7086-7092 , (**UGC Care Journal**)
7. **T. Prabhuram**, M. Rajmohan, Youchao Tan, R. Robert Johnson, "Performance evaluation of Omni channel distribution network configurations using multi criteria decision making techniques", Annals of Operations Research <https://doi.org/10.1007/s10479-020-03533-8>, Impact Factor: 2.284, **Annexure, SCI, Scopus indexed journal.**
8. D.Elil Raja, S.Prathap Singh and **T.Prabhuram**, "Design and analysis of hybrid reconfigurable wheel for armoured vehicles", IOP Conference Series: Materials Science and Engineering,, 2020, vol.764, doi:10.1088/1757-899X/764/1/012002.**Scopus indexed journal**
9. S.Prathap Singh, **T.Prabhuram**, K.Vinoth Babu, D.Elilraja, M.Uthayakumar, T.P.D Rajan, "Solid particle erosion studies on SiC reinforced functionally graded aluminium matrix composites", IOP Conference Series: Materials Science and Engineering,, 2020, vol.764, doi:10.1088/1757-899X/764/1/012005. **Scopus indexed journal**
10. Chrispin Das M, Prathap Singh S, Elil Raja D, **Prabhuram T**, Malkiya Rasalin Prince R, "Enhancement of Mechanical Properties of Phenol Formaldehyde Composite by Chemically Modified Areca Fine Fibers", Test Engineering & Management, Vol.83, March - April 2020, pp.14545-14548. **Scopus Indexed Journal**
11. S.Prathap Singh, K.Arun Vasantha Geethan, D.Elilraja, **T.Prabhuram**, J.Immanuel Durairaj, "Optimization of dry Sliding wear performance of functionally graded Al6061 / 20% SiC metal matrix composite using Taguchi method", Materials Today: Proceedings 22 (2020) 2824 – 2831. **Scopus Indexed Journal.**
12. **T.Prabhuram**, D.Elilraja, S.Prathap Singh and J. Immanuel Durairaj, "Investigation of Mechanical and Chemical Properties of the Coir Fiber and Wood Powder Reinforced Hybrid Polymer

Composites”, S. Vijayan et al. (eds.), Trends in Manufacturing and Engineering Management, Lecture Notes in Mechanical Engineering, <https://doi.org/10.1007/978-981-15-4745-4> 26.

Scopus Indexed Journal.

13. D.Nathan, D.Elilraja, **T.Prabhuram**, and S.Prathap Singh, “Experimental Investigation of Surface Roughness in End Milling of AA6061 Alloy with Flooded Cooling and Minimum Quantity Lubrication (MQL) Technique”, S. Vijayan et al. (eds.), Trends in Manufacturing and Engineering Management, Lecture Notes in Mechanical Engineering, <https://doi.org/10.1007/978-981-15-4745-4> 58. **Scopus Indexed Journal.**
14. **T.Prabhuram**, S.C.Meenakshi Sundaram, S.Jegadeeswer, V.Sathish Kannan, “ Static analysis of different spoke structure of airless and conventional tyre”, IOP Conf.Series: Materials Science and Engineering 923 (2020) 012017, <https://doi.org/10.1088/1757-899X/923/1/012017>. **Scopus Indexed Journal**
15. D.Elilraja, S.Prathap Singh, J.Immanuel Durairaj, M.Chrispin Das, **T.Prabhuram**, “Optimisation of Operation parameters in machining of functionally graded metal matrix composite using TOPSIS”, Tierärztliche Praxis, Vol 40, 2020. **Annexure – 1**
16. S.Prathap Singh, **T.Prabhuram**, D.Elilraja, J.Immanuel Durairaj “Influence of Drilling Operation Variables on Surface Roughness and Thrust Force of Aluminium Reinforced with 10% Al₂O₃ Functionally Graded Metal Matrix Composite”, Lecture Notes in Mechanical Engineering (2021). <https://doi.org/10.1007/978-981-16-4222-7> 8. **Scopus Indexed Journal.**
17. T. Prabhuram, S.Prathap Singh, J.Immanuel Durairaj, D.Elilraja, M.Chrispin Das, D.Arthur Jebastine Sunderraj, “Optimization of operation parameters in machining of functionally graded metal matrix composite using TOPSIS”, Materials today: Proceedings (2022). <https://doi.org/10.1016/j.matpr.2022.03.562>. **Scopus Indexed Journal.**
18. M.Chrispin das, D.Arthur Jebastine Sunderraj, K.Arun Vasantha Geethan, D.Elilraja, **T.Prabhuram**, S.Prathapsingh, “Mechanical and moisture absorption behaviour of Woven pineapple leaf phenol formaldehyde composites”, Materials today: Proceedings (2022). <https://doi.org/10.1016/j.matpr.2022.04.680>. **Scopus Indexed Journal.**
19. M Chrispin Das, S Prathap Singh, V Rangarajan, **T Prabhuram**, “Characterization of pineapple leaf fiber, areca fiber and egg shell powder reinforced phenolic resin composites and finding optimal parameters for sustainable machining”, Materials Today: Proceedings (2023). <https://doi.org/10.1016/j.matpr.2023.04.023>. **Scopus Indexed Journal.**
20. **T Prabhuram**, S Prathap Singh, D Elil Raja, J Immanuel Durairaj, M Chrispin Das, P Ravichandran “Development and

	<p>mechanical characterization of jute fibre and multi-walled carbon nanotube-reinforced unsaturated polyester resin composite”, Materials Today: Proceedings (2023). https://doi.org/10.1016/j.matpr.2023.08.302. Scopus Indexed Journal.</p>
Book and Chapter Publications:	<p>1. “Manufacturing Technology – I”, By ARS Publication (ISBN No: 9789384634711)</p>
International Conference:	<p>1.S.Prathap Singh, T.Prabhuram, K.Vinoth Babu, D.Elilraja, M.Uthayakumar, T.P.D Rajan, “Solid particle erosion studies on SiC reinforced functionally graded aluminium matrix composites” International Conference on advances In Materials Processing And Characterization (ICAMPC-2019), Bannari Amman Institute of Technology</p> <p>2.T.Prabhuram, S.C. Meenakshi Sundaram, S. Jegadeeswer, V. Sathish Kannan, “Static Analysis Of Different Structures Of Airless Tyres And Conventional Tyre”, International Conference on technological advancements in materials, design, manufacturing and energy sectors (ICTAMDMES’20) on 20th to 21st Feb.2020, St.Joseph’s college of engineering.</p> <p>3.S. Prathap Singh, T. Prabhuram, D. Elilraja, J. Immanuel Durairaj "Effect of drilling operation parameters on surface roughness and thrust force of Aluminium reinforced with 10% Al₂O₃ functionally graded metal matrix composite" First International Conference on Future Technologies in Manufacturing, Automation, Design and Energy, NIT Puducherry, 28-30 December 2020</p> <p>4.T. Prabhuram, J. Immanuel Durairaj, S. Prathap Singh, D. Elilraja, M. Chrispin Das, D.Arthur Jebastine Sunderraj, "Optimization of operation parameters in machining of Functionally Graded Metal Matrix Composite using TOPSIS", International Conference on Emerging Materials, Metallurgy and Manufacturing (ICEMMM 2021), 16th and 17th December 2021, SSN College of Engineering, Chennai.</p> <p>5.T. Prabhuram, S. Prathap Singha*, D. Elilraja a, J. Immanuel Durairaj a, M. Chrispin Das, "Development and Mechanical Characterisation of Jute Fibre and Multi-walled Carbon Nano Tube Reinforced Polymer Composite", International Conference on Processing and Characterization of Materials, (ICPCM 2022), 7th and 8th March 2022, SSN College of Engineering, Chennai.</p>
National Conference:	<p>1.G.Kannan, K.Venkateshwaran, T.Prabhuram “Concurrent Engineering Tool: Failure Mode and Effect Analysis – A case Study.”National conference conducted by “JNTU”, KAKINADA. (A.P) on 30th March 2002.</p> <p>2. T.Prabhuram, “QFD as a tool for continuous improvement of quality in Health care service industry” National Conference “NCQE” conducted by Kumaraguru College of Technology, Coimbatore. On 3rd – 4th Jan.2003</p> <p>3. T.Prabhuram, Arun. A, Arun. R “Hydrogen And Gasoline Based Hybrid Vehicle” Conference On Recent Innovations In Advanced Material Science – RIAMS’18 30th and 31st March 2018, Rajalakshmi</p>

	<p>Institute of Technology.</p> <p>4. T.Prabhuram, K.Balasubramaniyan, G.Ganesh,"Eco friendly welding by hydrogen fuel cell" TIME - 2019 - A National Conference on unmanned vehicle and Robotics, 19th and 20th March 2019, Dr.MGR Educational and Research Institute, Chennai</p> <p>5.T.Prabhuram, P.Venkat Puneeth, M.Yuvraj, "Reduction of wake formation in hatchbacks", RIAMS - 2019, 13th and 14th March 2019. Rajalakshmi Institute of Technology, Chennai</p> <p>6. T.Prabhuram, S.Yogesh Kumar, R.Subash, "Development & Characterisation of jute fiber and flower waste reinforced polymer composites", RIAMS - 2019, 13th and 14th March 2019. Rajalakshmi Institute of Technology, Chennai</p> <p>7. T.Prabhuram, S.Sharuq Azarudin, "Comparative heat analysis on piston with different materials", RIAMS - 2019, 13th and 14th March 2019. Rajalakshmi Institute of Technology, Chennai</p> <p>8. T.Prabhuram, K.Balasubramaniyan, G.Ganesh, "Performance analysis of diesel engine with addition of hydrogen", RIAMS - 2019, 13th and 14th March 2019. Rajalakshmi Institute of Technology, Chennai</p>
<p>Patent:</p>	<p>1. Dr. T. Vishnu Vardhan, Mr. T. Prabhuram, Dr. B. Vijaya Prakash, Dr. S. Meenachi, Dr. Adusumilli Adilakshmi, Mr. A. Muthusamy, Dr. B. Ramesh, Mr. S. A. Muhammed Abraar, "A biodegradable and water repellent based coating material for packaging applications and preparation", 202341052665, 01.09.2023.</p> <p>2. Dr D Elil Raja, T Prabhuram, N Suresh, D Arthur Jebastine Sunderraj, "Anti Vibration Pad For Machinery", 372287-001, 10.10.2022.</p> <p>3. T.Prabhuram, Dr.D.Elil Raja, J.Immanuel Durairaj, S.Prathap Singh, "Influence of Nano floral particles on the mechanical behaviour of Polymer composites" 202241004114, 2945, 04.02.2022.</p> <p>4. Dr D Elil Raja, S.Prathap Singh, T Prabhuram, J.Immanuel Durairaj, D Arthur Jebastine Sunderraj, "Power Generating Swing In Two Directional Using Oscillator Block", 202141011314, 17.03.2021</p> <p>4.</p>
<p>FDP/Workshop/STTP attended:</p>	<p>1. FDP/STTP attended:</p> <p>2. "Autodesk Inventor", ICTACT, Organised by St. Joseph's Institute of Technology, 13.06.16 to 18.06.16.</p> <p>3. "3D Printing: Concepts, Methods and applications", Organised by Rajalakshmi Institute of Technology, Chennai, 04.11.19 to 09.11.19.</p> <p>4. "Introduction to Finite Element Analysis", Organised by Panimalar Institute of Technology Chennai, 11.05.20 to 15.05.20.</p> <p>5. "Novel Materials and It's Industrial Applications", Organised by Karpagam College of Engineering, Coimbatore, 18.05.20 to 18.05.20.</p> <p>6. "Advancement in materials sciences", Organised by Jeppiaar Institute of Technology, Chennai, 05.06.20 to 06.06.20.</p> <p>7. "Emerging Research areas in Engineering", Organised by SRM Institute of Science and Technology, Chennai, 05.06.20 to 09.6.20.</p> <p>8. "Welding for Additive Manufacturing", Organised by Coimbatore Institute of Engineering and Technology, Coimbatore, 10.06.20 to 15.06.20.</p>

9. "Manufacturing, Machining and testing of composites", Organised by Sri Sai Ram Institute of Technology, Chennai, 15.06.20 to 19.06.20.
10. "Advances in machining manufacturing and computing process", Organised by Jain University, Bangalore, 24.05.21 to 29.05.21.
11. "Advances in composite materials, manufacturing processes and optimization techniques", Organised by Academy of Maritime Education and Training, Chennai, 01.06.21 to 14.06.21.
12. "Advancements in Composite Materials", Organised by Bharath Institute of Higher Education and Research, Chennai, 28.06.21 to 02.07.21.
13. "3D Printing and Design", Organised by Dr.Mahalingam College of Engineering and Technology, Pollachi, 06.07.21 to 10.07.21.
14. "Additive Manufacturing of Multi-functional Nanocomposites", Organised by Institute of Road and Transport Technology, Erode, 26.07.21 to 30.07.21

Workshop Attended:

1. "Supply chain Management", DoIE, CEG, Anna University, Chennai, 21.09.2010 to 25.09.2010.
2. "Multi criteria Decision Making", DoIE, CEG, Anna University, Chennai, 8.10.2010 to 09.10.2010.
3. "Research Methods", CSI Chennai Chapter, Anna University, Chennai, 19.02.2011 to 20.02.2011.
4. "Recent trends in Industrial Engineering and Mechanical Sciences", Anand Institute of Higher Technology, Chennai, 18.03.2011 to 19.03.2011.
5. "Application of Metaheuristics for engineering optimization", DoIE, CEG, Anna University, Chennai, 20.03.2012 to 21.03.2012.
6. "Decision Making and Optimisation", ORSI Chennai Chapter, CEG, Anna University, Chennai, 07.09.2012.
7. "CNC Machines and Robotics", DoME, CEG, Anna University, Chennai, 15.06.2015 to 19.06.2015.
8. "Mathematical Moelling for Engineering research", Bannari Amman Institute of technology, Sathyamangalam, 22.01.2016 to 23.01.2016.
9. "Glimpses on effective research and proposal writing", St. Joseph's Institute of Technology, 20.10.2016.
10. "Optimization Tools and Intellectual Property Rights", St. Joseph's Institute of Technology, 23rd and 24th February 2018.
11. "Advanced Industrial robotics", Nehru Institute of Engineering and Technology, Coimbatore, 17th and 18th September 2018.
12. "Industry 4.0", MSME, Chennai, 19.11.18 to 20.11.18.
13. "Advances in materials and Manufacturing", Chennai Institute of Technology, Chennai, 18.06.20 to 19.06.20.
14. "Material Characterization - Tools and Techniques", Entuple Technologies, Chennai, 23.04.20 to 25.04.20.
15. "Basic optimization Technology", REST Society for Research International, Krishnagiri, 04.05.20 to 06.05.20.
16. "Additive Manufacturing", S.A. Engineering College, Chennai, 15.05.20 to 16.05.20.

	<p>17. “Challenges & Oppurtunities in FSW of Mg Alloys”, S.A. Engineering College, Chennai,13.06.20.</p> <p>18. “Composite Materials - Fabrication Methods”, SSN College of Engineering, Chennai, 18.06.21.</p> <p>19. “Multi criteria Decision Making”, Vitarka Projects, Hyderabad, 25.05.20 to 27.05.20.</p>
<i>FDP/Workshop/STTP Conducted:</i>	NA
<i>Online Courses:</i>	<p>1. “Fundamentals of Manufacturing Process”, NPTEL, Elite Silver.</p> <p>2. “Advanced Machining Processes”, NPTEL, Elite Silver (Topper)</p> <p>3. “Total Quality Management”, NPTEL, Elite</p>
<i>Funded Projects:</i>	<p>1. “Development and Mechanical Characterization of Jute Fiber Reinforced Flower Powder Particulate polymer composites”, EME – 336, By Tamilnadu State Council For Science And Technology, Chennai – 22 (Received an Amount of Rs.7,000/-).</p>
<i>Consultancy work:</i>	NA
<i>Professional Body Membership:</i>	<p>1. Life Membership in International Society for Research and Development (ISRDR).</p> <p>2. Life Membership in International Association of Engineers (IAENG).</p>