

Faculty Profile



1. **Name of the faculty with Qualification** : C.VEERA AJAY,
2. **Age & Date of birth** : 25 & 16.04.1994
3. **Designation** : Assistant Professor
4. **Experience in NEC as on 03.06.19** : Fresher (With joining Date in NEC)
5. **Area of Expertise** : Manufacturing Engineering
6. **Education Qualification** : M.E
7. **Research Area** : Manufacturing
8. **Ph.D. work and publications** : Nil
9. **Progress after Ph.D.** : Nil
10. **Details of Project guided (BE and ME)** :
 - I. Reduction in Surface Wear of Components using Thermal Spray Coating
 - II. Study on Single Point Incremental Forming of Light Weight Alloys for Aerospace Application

11. Research Publication details : National Conferences

- I. Presented a research paper "Performance, Emission and Combustion Characteristics of Aloe vera – Diesel Emulsified fuel in a DI Diesel Engine" at the National level Conference on Technologies for Green Mobility organized by the Dept of Automobile Engineering, Bannari Amman Institute of Technology, Sathyamangalam on March 22, 2019.
- II. Presented a research paper "Analysis of Cutting Force for Drilling Operation using Drilling Machine Dynamometer" at the National level Conference on Advanced Materials, Robotics and Automation (CAMRA-2019) organized by the Dept of Mechatronics Engineering, Bannari Amman Institute of Technology, Sathyamangalam on March 15-16, 2019.
- III. Presented a research paper "Reduction in Surface Wear of Components using Thermal spray Coating" at the NCEEE-2018 National Conference organized by the Dept of Mechanical Engineering, Bannari Amman Institute of Technology, Sathyamangalam on August 2-3, 2017.
- IV. Presented a research paper "Optimization of Thrust Force and Wall Angle in Single Point Incremental Forming of Ti-6Al-4V Alloy" at the NCPDVM'18 National Conference organized by the Dept of Production Engineering, PSG College of Technology, Coimbatore on May 4, 2018.

- V. Presented a research paper “Analysis of Cutting Force while Turning different materials using Lathe Tool Dynamometer” at the CPDVM’17 Conference organized by the Dept of Production Engineering, PSG College of Technology, Coimbatore on May 5, 2017.
- VI. Presented a paper “Mass Media for Enhancing Communication Skills” at the National level conference organized by the Dept of English, MepcoSchlenk Engineering College, Sivakasi.

12. ResearchPublicationdetails : International Conferences

- I. Presented a research paper “Comparing the Geometrical Accuracy of a 3D Printed Pattern to a Metal Pattern” at the International Conference on Materials Science and Manufacturing Technology 2019 (ICMSMT 2019) held at Hotel Aloft, Coimbatore on April 12-13, 2019.
- II. Presented a research paper “Studies on Single Point Incremental Forming of Ti-6Al-4V alloy for Aerospace Application” at the International Conference on Materials, Manufacturing and Modelling (ICMMM 2019) organized by School of Mechanical Engineering, Vellore Institute of Technology, Vellore on March 29-31, 2019.
- III. Presented a research paper “Incremental Sheet Metal Forming (ISMF): A literature review” at the International Conference on Materials, Manufacturing and Machining (ICMMM-2019) organized by Dept of Mechanical Engineering, Bannari Amman Institute of Technology, Sathyamangalam on March 8-9, 2019.
- IV. Presented a research paper “Study on Single Point Incremental Forming of Inconel 718” at the ICEAT’18 International Conference organized by Organization of Science and Innovative Engineering and Technology (OSIET), Sri Krishna College of Technology, Coimbatore on March 22, 2018.
- V. Presented a research paper “Dimensional Inspection of Incremental Sheet Metal Formed Component by Coordinate Measuring Machine” at the ICEAT’18 International Conference organized by Organization of Science and Innovative Engineering and Technology (OSIET), Sri Krishna College of Technology, Coimbatore on March 22, 2018.

13. **Details ofR&DProjects** : Nil

14. **Details ofConsultancyProjects** : Nil

15. **Faculty interaction withoutside world** : Nil

16. **Professional society activities, events, conferencesorganized:** Nil

17. **FDP, Short term courses, workshops,seminararranged** : Nil

18. **FDP, Short term courses, workshops,seminarattended:**

- I. Attended workshop on “Identification of Research Opportunities and appropriate funding schemes” organized by the Dept of Mechanical Engineering, Bannari Amman Institute of Technology, Sathyamangalam on February 08, 2019.
- II. Attended workshop on “Insights of Research in Welding Engineering and Additive Manufacturing” organized by the Dept of Mechanical Engineering, MepcoSchlenk Engineering College, Sivakasi on September 14-15, 2018.
- III. Attended National level workshop on “Composite Materials for Armour Applications” organized by the Dept of Production Engineering, PSG College of Technology, Coimbatore on January 25, 2018.

IV. Participated in the “Entrepreneurship Awareness Camp” organized by PSG-Science and Technology Entrepreneurial Park, PSG College of Technology, Coimbatore on December 8-10, 2018.

19. **List of course module developed** : Nil

20. **Records of new program specific facility created by faculty** : Nil

21. **Faculty Intellectual Property Rights (FIPR) applied** : Nil

22. **Laboratories/research facilities established** : Nil

23. **Any other information's/special achievements** :

- I. Best project Award 2017-2018 – M.E Manufacturing Engineering, PSG College of Technology. (Final year Project Work titled “Study on Single Point Incremental Forming of Light Weight Alloys for Aerospace Application” guided by Dr.S.Elangovan)