

## FACULTY PROFILE

- 1 Name & Designation : Mr. VIJAYAKUMAR. A / HOD
- 2 Date of Birth : 08-06-1966
- 3 Educational Qualification : ME
- 4 Date of Joining : 03-06-1996
- 5 Nature of Associative : Regular
- 6 Work Experience : Teaching - 12 Years  
Research - Nil  
Industry - 10 Years  
Others - Nil
- 7 Area of Specializations : Advanced Manufacturing Technology
- 8 Subjects Handling at Diploma Level : 1. Design of Jigs, Fixtures and Gauges  
2. Engineering Graphics I & II  
3. Machine Drawing  
4. Engineering Drawing  
5. Manufacturing Technology  
6. Metrology, Machine Tool Maintenance and Testing  
7. Machine Shop Technology  
8. Two-Wheeler and Three-Wheeler Technology  
9. Automobile Engineering  
10. Fluid Mechanics and Fluid Power  
11. Process Automation Practical  
12. Special Machines  
13. Industrial Engineering and Management  
14. Industrial Training I & II
- 9 Workshop Attended : 1. Material Modelling and Simulation of Manufacturing Processes  
2. Six-Sigma- Managerial Break through Strategy and Methodology  
3. State Level Workshop for Continuing Education Managers  
4. NSS-General Orientation Training Course  
5. Pre-Republic Day Parade Camp-NSS  
6. RRC One Day Trainers' Training Programme on 'Celebrating Life Module'  
7. NBA Accreditation



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|----|---------------------------------------|---|--|
| 10 | FDP Attended                          | : | <ol style="list-style-type: none"> <li>1. Synchronous Manufacturing System</li> <li>2. Thinking for Design: 'Conceptual and Pedagogical Tools for Teaching Design'</li> <li>3. Engineering Drawing Using Auto CAD</li> <li>4. Enhancing the Effectiveness of Polytechnic Teaching</li> <li>5. Renewable Energy Technologies and Energy Conservation Methods</li> <li>6. Distributed Generation: The Power Structure for Next Generation</li> <li>7. Engineering Thermodynamics</li> <li>8. Heat Transfer</li> <li>9. Peer Educators Training Programme</li> <li>10. Software Applications in Civil Engineering</li> <li>11. Heat Transfer</li> <li>12. Green Energy Solutions for Sustainable Development</li> <li>13. Advances in Cutting, Welding &amp; Surfacing [CWS 215]</li> <li>14. 1st International Conference on Industry 4.0</li> <li>15. Development of Laboratory Instruction and Manual</li> <li>16. Active Learning Strategies</li> <li>17. Introduction to Reverse Engineering and Future Trends in Mechanical Engineering after COVID'19</li> <li>18. Mechanical Engineering Applications in BSNL Telecom Industry</li> <li>19. How to Deal with Weaker Students</li> <li>20. Introduction and Applications of CFD</li> <li>21. Overview of DevOps and its Best Practices</li> <li>22. Disaster Management and Mitigation</li> <li>23. Designing MOOCs, Digital Skills and E-Content Development</li> <li>24. Designing MOOCs, Digital Skills and E-Content Development</li> <li>25. The Power of Teacher-Student Relationship in Determining Student Success.</li> <li>26. Make in India: Through 3D Printing and Industry 4.0 for Indian Industries – Phase III</li> <li>27. Emerging Trends in Industry 4.0</li> </ol> |
| 11 | Patents                               | : | Nil  |
| 12 | Technology Transfer                   | : | Nil  |
| 13 | Research Publications                 | : | Nil  |
| 14 | Number of Papers Published            | : | <p><b>National Journals</b> - Nil</p> <p><b>International Journals</b> - 3</p> <ol style="list-style-type: none"> <li>1. Fabrication and Material Characterization of Composite Material Using Industrial Waste Scrapes.</li> <li>2. Material Characterization Analysis on CFRP/GFRP, Banana Fiber, Sisal Fiber Hybrid Composite Material.</li> <li>3. Experimental Investigation on the Aluminium Metal Matrix Composites by Boron Carbide and Fly ash Fillers.</li> </ol> <p><b>Conferences</b> - Nil</p>  |
| 15 | Number of Books published with detail | : | Nil  |
| 16 | Additional Responsibilities           | : | <p>NSS Programme Officer</p> <p>Placement Officer</p> <p>Member Coordinator - Project Work Monitoring Committee</p> <p>Industrial Training Officer</p> <p>Member – Flying Squad</p> <p>Executive Committee Member of CITSAAT (Alumni Association)</p>  |