



# ANNAMACHARYA UNIVERSITY

EXCELLENCE IN EDUCATION; SERVICE TO SOCIETY  
(ESTD, UNDER AP PRIVATE UNIVERSITIES (ESTABLISHMENT AND REGULATION) ACT, 2016)  
Rajampet, Annamayya District, A.P – 516126, INDIA

## Faculty Profile

### Basic Information:

NAME : Dr. Suresh Babu G  
DESIGNATION : Assistant Professor & Head  
DEPARTMENT : Mechanical Engineering  
DATE OF BIRTH : 08/06/1984  
DATE OF JOINING : 11/09/2012  
EMAIL ID : [gsb@aitsrajampet.ac.in](mailto:gsb@aitsrajampet.ac.in)  
EMPLOYEE ID : AITS031014



### Academic Profile:

| Qualification | Name of the Board/University                                    | YEAR |
|---------------|---|------|
| Ph.D.         | Visvesvaraya Technological University, Jnana Sangama, Belagavi. | 2023 |
| M. Tech       | Jawaharlal Nehru Technological University, Hyderabad (JNTUH)    | 2013 |
| B. Tech       | Jawaharlal Nehru Technological University, Anantapur (JNTUA)    | 2006 |

### Research Details:

|  |                        |   |
|--|------------------------|---|
| 1. Areas of Specialization             | :                      | Advanced Manufacturing Systems,<br>Reconfigurable Manufacturing Systems   |
| 2. No. of Publications                 | :                      | 09  |
| 3. Awards Received                     | :                      | 01  |
| 4. Research Guidance                   |                        |   |
|  | No. of PhD Guided:     | NIL   |
|  | No. of M.Tech. Guided: | 01  |
|  | No. of B.Tech. Guided: | 15  |
| 5. Details of Professional Membership: |                        | IEI – MIE (Institute of Engineers India)  |
| 6. Subjects Taught                     | :                      | 1. Engineering Drawing<br>2. Engineering Graphics<br>3. Engineering Graphics & Design<br>4. Engineering Mechanics Statics<br>5. Production Technology |



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|  |   |
|--|---|
|  | <ol style="list-style-type: none"><li>6. Manufacturing Technology</li><li>7. Machine Drawing</li><li>8. Dynamics of Machinery</li><li>9. Instrumentation &amp; Control Systems</li><li>10. Unconventional Machining Process</li><li>11. Modern Machining Processes</li><li>12. Production &amp; Operations Management</li><li>13. Total Quality Management</li><li>14. Human Resource Management</li><li>15. Universal Human Values</li></ol> |
|--|---|

## Publication Details:

| Title   | Publisher  | Published Year |
|---|--|----------------|
| 1. Synthesis and characteristic analysis of an inorganic composite phase change materials for medium-temperature thermal storage. | Powder Technology  | 2024           |
| 2. Review on Characterization and Analytical Measurements for Various Edible and Non-Edible Raw Oil and Biodiesel                 | International Journal of Vehicle Structures and Systems            | 2023           |
| 3. Waste Heat Recovery from Condenser by using Phase Change Material  | International Journal of Vehicle Structures and Systems            | 2023           |
| 4. Performance Optimization of Reconfigurable Manufacturing System Using Dual Step Metaheuristic Approach                         | TEST Engineering & Management                                      | 2022           |
| 5. Optimization Of EDM Process Parameters by Using Hybrid Methods   | RDMPMC20 & AIJR Publisher  | 2021           |
| 6. Evolutionary Algorithm Technique to Optimize Configurational Cost in Reconfigurable Manufacturing System                       | International Journal of Recent Technology and Engineering (IJRTE) | 2020           |
| 7. Optimization of Diesel Engine Performance by Bio Diesel Using Taguchi and Grey Relational Analysis                             | Mukt Shabd Journal   | 2019           |
| 8. Investigation of Optimum Cutting Parameters for End Milling of H13 Die Steel using Taguchi based Grey Relational Analysis      | International Journal of Research in Advent Technology             | 2018           |

## Patent Details:

| Title of Patent   | Submitted/Published/Awarded            |
|---|--|
| 1. Reconfigurable Manufacturing System Using Dual Step Metaheuristic Approach | Australian Official Journal of Patents |