



## **CURRICULUM VITAE**

### **Dr.A.Damodara Reddy**

**Associate Professor**

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Born on 26<sup>th</sup> June, 1982 at Nandyal, Nandyal ( District), Andhra Pradesh, India.

### **EDUCATIONAL QUALIFICATIONS**

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| B.E. (Mechanical Engineering).. | <i>Visvesvaraya Technological University</i> | .. 2003 |
| M.E. (CAD/CAM)                  | <i>Sri Krishnadevaraya University</i>        | ..2005  |
| Ph.D.                           | <i>JNTUA University</i>                      | ..2019  |

### **ADMINISTRATIVE POSITIONS HELD.**

- 1) Library In-charge from 01-02-2023 to till date.
- 2) Officer In-Charge of Physical Education from 23-02-2022 to till date.
- 3) Nss-Coordinator for Unit-I from to 11-01-2021 to 21-11-2022.
- 4) Transportation in-charge at JNTUACEP from 24.07.2017 to 10-11-2021.
- 5) Estate Officer at JNTUA College of Engg, Pulivendula from 28.10.2013 to 21.03.2017.
- 6) Deputy Warden for Boys Hostel from 01.03.2011 to 01.04.2013.

## **MEMBERSHIPS IN PROFESSIONAL BODIES**

Life Member - Indian Society for Technical Education, New Delhi.

Life Associate Member -The Institution of Engineers (India), Kolkata.

Life Member - International Association of Engineers, Hong Kong.

Life Member – Materials Research Society of India.

## **LIST OF REFRESHER / ORIENTATION / FDP / STTP / WORKSHOPS ATTENDED.**

| <b><i>S.NO</i></b> | <b><i>Title of the event</i></b>   | <b><i>Organising Institute</i></b> | <b><i>Duration</i></b>   |
|--------------------|--|------------------------------------|--------------------------|
| 1.                 | Faculty Development Programme on “AUTOCAD 2011”  | JNTUACEP, Pulivendula              | 22-11-2011 to 25-11-2011 |
| 2.                 | Faculty Development Programme on “ENTREPRENEURSHIP”  | Vellore Institute of Technology    | 26-11-2012 to 08-12-2012 |
| 3.                 | A One Week workshop on “SOLIDWORKS” Software   | JNTUH, Hyderabad                   | 28-01-2013 to 02-02-2013 |
| 4.                 | One day workshop on “Mathematical Modelling and its application for Engineers & Scientists”                                    | JNTUH, Hyderabad                   | 30-08-2013               |
| 5.                 | National Training Programme on “Entrepreneurship Development & Management For Scientists & Technologists In Government Sector” | EDI Campus, Ahmedabad              | 09-12-2013 to 13-12-2013 |
| 6.                 | A Three-Day Faculty Development Programme on “CFD APPLICATIONS USING STAR CCM+”  | JNTUACEP, Pulivendula              | 16-01-2014 to 18-01-2014 |
| 7.                 | A Two Day workshop on “Applications of Finite Element Method through ANSYS Software”   | JNTUACEP, Pulivendula              | 20-01-2014 to 21-01-2014 |
| 8.                 | Attended Intensive training programme on “Incorporation of Pedagogy in Engineering Education”                                  | IISC, Bangalore                    | 03-02-2014 to 07-02-2014 |
| 9.                 | Refresher Course on “Research  | ASC,JNTUH,                         | 03-03-2014 to            |

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|     | Methodologies”  | Hyderabad  | 22-03-2014                   |
| 10. | TEQIP Workshop on<br>“Principles of<br>Additive/Generative<br>Manufacturing Technologies”           | IIT, Hyderabad.  | 01-12-2014 to<br>05-12-2014  |
| 11. | “Accountability and<br>Responsiveness in Scientific<br>Organizations”                               | Academy of Human<br>Excellence. DST<br>Sponsored<br>Programme.<br>(Govt Of India). | 16-12-2014 to<br>20-12-2014  |
| 12. | AICTE Short Term Course on<br>“Recent Advances In<br>Composite Materials &<br>Machining”            | IIT, Madras.   | 02-02-2015 to<br>06-02-2015  |
| 13. | One week Orientation program<br>on “Research Methodology”   | Directorate of<br>Research &<br>Development<br>JNTUA,<br>Anantapuramu.             | 15-06-2015 to<br>20-06-2015  |
| 14. | TEQIP-II Workshop on<br>“Thermal Analysis of Materials<br>Using DSC,DTA & TG<br>Dilatometer(TAM-II) | IIT, Hyderabad.  | 12-08-2015 to<br>14-08-2015  |
| 15. | Training Programme on<br>“Communication And<br>Presentation Skills(CAPS)                            | IMTR, GOA.<br>DST Sponsored<br>Programme.<br>(Govt of India).                      | 21-09-2015 to<br>25-09-2015  |
| 16. | TEQIP-II Workshop on<br>“Teacher Effectiveness-<br>Nurturing Your Well-being”                       | IIT, Hyderabad.  | 06-12-2015 to<br>07-12-2015  |
| 17. | One week training programme<br>on “Climate Change and<br>Carbon Mitigation”                         | ICFRE, Dehradun.<br>DST Sponsored<br>Programme<br>(Govt of India).                 | 22-02-2016 to<br>26-02-2016  |
| 18. | Short term training program on<br>“Paper and Article writing with<br>LATEX”                         | JNTUACEP,<br>Pulivendula.<br>TEQIP-II Sponsored.                                   | 17-03-2017 to<br>19-03-2017  |
| 19. | Two day Faculty Development<br>Program on “Academic<br>challenges in 21 <sup>st</sup> Century”.     | Sri Sai Institute of<br>Technology &<br>Science, Rayachoty.                        | 20-05-2019 to<br>21-05-2019. |
| 20. | ATAL 5 day FDP on<br>“Artificial Intelligence”  | JNTUACEP,<br>Pulivendula.  | 02-12-2019 to<br>06-12-2019. |

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|-----|---|---|---------------------------|
| 21. | Two Week FDP on “Mathematical Modeling and Simulation for Scientists & Engineers”                         | JNTUACEA, Anantapuramu.   | 24-02-2020 to 07-03-2020. |
| 22. | On-line FDP programme on “NanoTechnology and Functional Materials”  | SV College of Engineering, Tirupati.                                  | 14-09-2020 to 19-09-2020  |
| 23. | Two Week online FDP on “Recent Advances in Materials and Challenges in Manufacturing Techniques”          | University college of Engineering, Kakinada                           | 22-03-2021 to 03-04-2021  |
| 24. | Two Week online FDP on “Renewable Energy Intervention in Industry, Commercial and Industrial Application” | Rajeev Gandhi Memorial College of Engineering and Technology, Nandyal | 15-02-2021 to 27-02-2021  |
| 25. | One Week online FDP on “Renewable Energy For Industrial & Domestic Application”                           | JNTUACEP, Pulivendula.  | 06-09-2021 to 10-09-2021  |

### **Workshops Organized:**

| S.No | Name of the Programme                  | Organized Location/Sponsored | Duration                 |
|------|--|------------------------------|--------------------------|
| 1.   | “3D Printing & Design”                 | JNTUACEP/ATAI AICTE          | 25-11-2019 to 29-11-2021 |
| 2.   | “Novel Materials And its Applications” | JNTUACEP/ATAI AICTE          | 04-10-2021 to 08-10-2021 |
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### **PUBLICATIONS IN PROCEEDINGS OF CONFERNECS/ SEMINARS.**

#### **Conferences Attended:**

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|----|--|---|
| 1. | Design of Integrated reliability redundancy system with multiple constraints-using genetic | International Conference on Material Processing & |
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|    | algorithms.  | Characterization-2012   |
| 2. | Optimization of Machining parameters for gun metal in end milling process  | International Conference on Material Processing & Characterization-2012 |
| 3. | Experimental Investigations on Mechanical Properties of Polyester based Hybrid Composites                        | National Conference on Trends in Mechanical Engineering.                |
| 4. | Improving the Thermal Properties of Epoxy/Polyester Based Nano Composite with Wollastonite as a Filler Material. | National Conference on Trends in Mechanical Engineering.                |

### **Journals Papers:**

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|----|---|--|--|
| 1. | Mechanical Properties of Epoxy/Polyester blended Composite using wollastonite Powder as Filler.   | International Journal of Recent innovation in Engineering & research                     | ISSN N.O::<br>24562084                               |
| 2. | Use Of L27 Orthogonal Array With Grey Taguchi Technique To Optimize MRR And Sr in EDM Machining For Al -6082, Al -6061, Al -2014 And Mild Steel | Int. Journal of Engineering Research and Application                                     | ISSN N.O::<br>2248-9622                              |
| 3. | Design and Development of Inspection Fixture by Using FDM Technology  | International Journal of Advance Engineering and Research Development                    | e-ISSN (O):<br>2348-4470<br>p-ISSN (P):<br>2348-6406 |
| 4. | Optimization of Surface Roughness and Kerf Width Parameters in Wire Cut EDM Process through Response Surface Methodology.                       | International Journal for Research in Applied Science & Engineering Technology (IJRASET) | ISSN: 2321-9653                                      |
| 5. | Development of Prototype-Model and Design Modification,   | International Journal of Advance Engineering and   | e-ISSN (O):<br>2348-4470<br>p-ISSN (P):              |

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|-----|--|---|---|
|     | Analysis of Aircraft Wheel Hub   | Research Development  | 2348-6406                                 |
| 6.  | Preparation & Mechanical characterization For Aluminium Reinforced Material Metal Matrix Composite With Granite & Graphite As Particulate              | International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES) | e-ISSN(O): 2455-2585                      |
| 7.  | Analysis And Validation of Damping Properties - Epoxy/Polyester Blended Nanocomposite Using Wollastonite Powder as Filler.                             | International Journal of Research and Analytical Reviews                                | e-ISSN(O) 2348-1269,<br>P- ISSN 2349-5138 |
| 8.  | Thermal, Morphological Analysis of Epoxy/Unsaturated Polyester Blended Nanocomposite with Wollastonite Powder as a Particulate                         | Asian Journal of Chemistry  | ISSN N.O : 09707077                       |
| 9.  | Design And CFD Analysis of Ship Propeller Using CFRP and Aluminium Composites  | International Journal of Research and Analytical Reviews                                | E-ISSN: 2348-1269,<br>P- ISSN: 2349-5138  |
| 10. | Effect of Silicon Carbide (SiC) Powder on Mechanical Properties on Glass Fibre / Vinyl Ester Composites by Using Hand Layup And Vacuum bagging Process | The International Journal of Analytical and Experimental Analysis (IJAEMA)              | ISSN NO: 0886-9367                        |
| 11. | Effect of Aluminium Trihydrate (ATH) Powder on Mechanical Properties of Glass Fiber / Polyester Composites by Using Vacuum bagging Process             | The International Journal of Analytical and Experimental Analysis (IJAEMA)              | ISSN NO: 0886-9367                        |
| 12. | Effect of AA6061 on Mechanical Properties of Basalt Fiber Reinforced Vinyl Ester Resin by Using Hand Layup Process                                     | Mukt Shabd Journal  | ISSN NO : 2347-3150                       |
| 13. | Fabrication and Characterization of Physico-   | Mukt Shabd Journal  | ISSN NO : 2347-3150                       |

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|--|---|--|--|
|  | Mechanical properties of Luffa-Cylindrica (Sponge Gourd) Fiber Reinforcement Polymer Matrix Composites (PMCs) |  |  |
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**Books Published:**

| <b><u>S.No.</u></b> | <b><u>Month and Year of Publication</u></b> | <b><u>Title of the Book</u></b>   | <b><u>Name of the Publisher</u></b>   | <b><u>ISBN/ISSN number</u></b> |
|---------------------|---|---|---|--------------------------------|
| 1.                  | August, 2021                                | “Studies on Wollastonite Powder Filled Epoxy/Unsaturated Polyester Blended Nanocomposite” | Delight Publications, #02, Sri Annapoorneshwari nilaya, 1st Main, Byraveshwara nagar, Laggere, Bengaluru-560058 | 978-93-90903-02-3              |

Ph.D Guidance:

| <b>S.No</b> | <b>Name of the student &amp; Registration Number</b>   | <b>Date of Registration</b>     |
|-------------|--|---------------------------------|
| 1.          | M.Vidhya Sagar (21RD2P0318)  | 30-06-2022                      |
| 2.          | Hameed Syed (21RD2P0329)   | 30-06-2022                      |
| 3.          | Lakshmi Kala (18PH0302)<br>“Experimental Investigation on Machining of Fiber Metal Laminates”. | 20-12-2022<br>(Change of Guide) |

Signature.

Dr.A.Damodara Reddy.