

Name of Faculty Jyothirmayi Narne  
 Designation Assistant Professor  
 Nature of Job/Appointment Regular  
 Date of Joining 21-01-2008  
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Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy (Mechanical Engineering)	Pursuing (Andhra University)
PG	M. Tech (Advanced Manufacturing Systems)	First class with Distinction
UG	B. Tech (Mechanical Engineering)	First class with Distinction

#### Work Experience

Teaching	17 years
Research	--
Industry	--
Others	--
Area of Specialization	Advanced Manufacturing Systems
Professional Memberships	--
Responsibilities held at Institution Level	1. Member, Publicity committee, Shruthi -2018 & Shruthi-2019 2. NIRF Departmental coordinator
Responsibilities held at Department Level	3. Class Teacher 4. Attendance monitoring Teacher 5. Member, CEG, Production 5. Mentor for students
Research Guidance	--
Awards Received	--
Courses Handled at Under Graduate / Post Graduate Level.	Metal Forming Technology, Plastics ceramics and Composite Materials, Production and Operations Management, Work System Design, Engineering Graphics, Industrial Administration and Financial Management, Principles of Management, Human Values and Professional Ethics, Universal Human Values, Entrepreneurship, 3D Printing
No. of Papers Published	National Journals -- International Journals -- 13 National Conference --02 International Conference --
Projects Carried out	--
Patents	--
Technology Transfer	--
Invited Speaker	1. Delivered guest lectures as a resource person on "Industrial Engineering" for the employees of Dr. Reddy's Laboratories Ltd., Hyderabad
No. of Books/Chapter Published with details	--
	1. One week Online FDP on "Quality Education through OBE" organized by Chaitanya Bharathi Institute of Technology(Autonomous), Gandipet, Hyderabad in association

Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops/Other Trainings (Attended and/or Organized).

- with IEEE Education Society Student Branch Chapter CBIT during 22nd - 27th January 2024.
2. Short term training Program on "Robotics and Drones" conducted by the Departments of Electrical and Electronics Engineering, Electronics and Communications Engineering, Information Technology, Mechanical Engineering, in association with IEEE CBIT-RAS society from 05-09-2022 to 17-09-2022.
3. 5-day FDP on "Progressive Trends in Mechanical Engineering" from 28th March to 1st April, 2022 organized by Department of Mechanical Engineering, Andhra Loyola Institute of Engineering & Technology.
4. AICTE recognized FDP on " Additive Manufacturing for Biomedical Applications" conducted by Mechanical Engineering Department, NITTTR, Chandigarh from 25/04/2022 to 29/04/2022.
5. One-month online internship in Research Training from 5-7-2021 to 5-8-2021 conducted by MSME- Technology Development Centre (PPDC).
6. Participated and successfully completed the 5-day online FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education (AICTE) from 26<sup>th</sup> July 2021 to 30<sup>th</sup> July, 2021.
7. ATAL online FDP on "Molecular Manufacturing organized by Chaitanya Bharathi Institute of Technology, Hyderabad from 19-10-2020 to 23-10-2020
8. AICTE sponsored one week online Short-Term Program on "Modeling and Analysis using MATLAB and Python for Mechanical Engineering Applications" organized by Department of Mechanical Engineering, VNRVJIET, Hyderabad from 03/08/2020 to 08/08/2020.
9. 5-Day International online FDP on " Thrust Areas of Research in Mechanical Engineering" organized by Mechanical Engineering Department, Geethanjali Institute of Science and Technology, Nellore Dist., AP from 22/06/2021 to 26/06/2021.
10. Online AICTE Recognized Faculty Development Programme on Developing Values & Ethics organized by Education and Educational Management Department NITTTR, Chandigarh from 14/06/2021 to 18/06/2021.
11. International Workshop on Stress and Coping: Strategies to De-stress organized by Women Empowerment Cell, GITAM (Deemed to be University), Visakhapatnam, AP from 12/06/2021 to 13/06/2021.
12. One week Online FDP on "Industry 4.0- A Vision of Design & Manufacturing", organized by Department of Mechanical Engineering, CBIT(A), Hyderabad during 16/06/2020 to 20/06/2020.
13. AICTE Training And Learning (ATAL) Academy Online FDP on "Robotics" from 11-06-2020 to 15-06-2020 at COLLEGE OF TECHNOLOGY AND ENGINEERING, UDAIPUR.
14. One week FDP on OBE & NBA Accreditation organized by CBIT(A), Hyderabad during 28/05/2020 to 01/06/2020
15. Effective and Efficient Online Teaching in the Age of Corona: A Hands-On Workshop on Saturday, 16 May 2020
16. FDP on WASTE MANAGEMENT organized by NITTTR, Chandigarh BETWEEN 11/5/TO 15/5/20
17. One-week Online FDP on "Strategic Planning for Entrepreneurship Promotion" organized by NITTTR, Chandigarh from 04.05.2020 to 08.05.2020,
18. AICTE recognized faculty development program on "Climate Change, Disaster and Pandemic Management: Technological Interventions for Sustainable Development" from 20/04/2020 to 24/04/2020 by NITTTR, Chandigarh.
19. Completed an online 4-week non-credit course "Time Value of Money" authorized by Michigan University offered through Coursera in May, 2020
20. One Day symposium "Significance of Sanskrit for Technological Research" organized by Geervana Bharathi, CBIT On 8th Sep 2018
21. Attended one day event on "Manufacturing Intelligence" organized by Hexagon Capability Center India (HCCI), Hyderabad on 13 th October, 2017

22. A Two-day National Seminar on “Machinery Vibration Analysis (MVA-2017) organized by the Department of Mechanical Engineering, CBIT during 5 th & 6 th October,2017
23. Attended “45<sup>th</sup> Orientation course” organized by UGC-HRDC, JNTUH, Hyderabad from 11-07-2016 to 08-08-2016
24. Workshop on “Additive /Generative Manufacturing Technologies” held at IIT Hyderabad on July 7<sup>th</sup> & 8<sup>th</sup>,2014
25. Attended a three-day National Workshop on “Advanced Materials and Machining” organized by MED, NIT Warangal from 31-10-2013 to 02-11-2013
26. Coordinator for A Two-day workshop on “Recent Trends in Manufacturing (RTM-2013)”, organized by the Department of Mechanical Engineering, Chaitanya Bharathi Institute of Technology, Hyderabad (under TEQIP-II) held on 29-07-2013 & 30-07-2013.
27. A Two Week AICTE sponsored FDP on “Recent Advances in Manufacturing and Simulation (RAMAS-2012)” Organized by the Department of Mechanical Engineering, CBIT, Hyderabad, A.P., during 07-05-2012 to 19-05-2012.
28. 2 Days National Level Workshop on “Women in Science and Technology- Societal Impact” organized by Women cell, CBIT

### **Details of Journal Publications/ Conferences (National and International)**

#### **International Journal**

1. Dr. P. Prabhakar Reddy, Dr. P.V.R. Ravindra Reddy, V. Sandhya, N Jyothirmayi, V. Jaipal Reddy, “Nurturing Entrepreneurial approach among young minds in Higher Technical Educational Institutions”, GRADIVA Review Journal, Volume 8, Issue 6, 2022, PAGE NO: 130-134, ISSN – 0363-8057.
2. Dr. P. Prabhakar Reddy, Dr. P.V.R. Ravindra Reddy, N. Jyothirmayi, V. Sandhya, V. Jaipal Reddy, “Conceptual Frame Work for Synergetic Academic System Intertwined With Entrepreneurial Practices in Higher Educational Institutions”, GRADIVA Review Journal, Volume 8, Issue 6, 2022, PAGE NO: 814-820, ISSN – 0363-8057.
3. Dr. P. Prabhakar Reddy, Dr. P.V.R. Ravindra Reddy, V. Sandhya, N Jyothirmayi, V. Jaipal Reddy, “Nurturing Entrepreneurial approach among young minds in Higher Technical Educational Institutions”, GRADIVA Review Journal, Volume 8, Issue 6, 2022, PAGE NO: 130-134, ISSN – 0363-8057.
4. Dr K. Hema Latha, Smt. Varimadugu Sandhya, Smt. Jyothirmayi Narne, Dr. Praveen T, An Effective Examination of compressible Magnetorheological Shock Absorber with Temperature Fluctuations, YMER Digital, Vol 20 : Issue 8 – 2021
5. Ms Varimadugu Sandhya, Ms Yarramsetty Nagini, Ms Venkata Sushma Chinta, Mr V. Jaipal Reddy, Ms Jyothirmayi Narne, “Numerical Analysis of Engine Hood”, Journal of Xi’an University of Architecture & Technology, Volume XIII, Issue 6 (June), 2021, ISSN No : 1006-7930
6. K.V. Kasi Viswanadham, Jyothirmayi Narne, V. Jaipal Reddy, G. Sreenivasulu Reddy, “A Critical Review On Static And Dynamic Analysis Of Protective Structures”, Journal of Shanghai Jiaotong University, Volume 17, Issue 6, June – 2021, ISSN No: 1007-1172
7. P Surendar Reddy, Dr. Rahul, N Jyothirmayi, “Analysis on Manufacturing Automated Guided Vehicle for MSME Projects and its Fabrication”, Journal of Xi’an University of Architecture & Technology, Volume XIII, Issue 6 (June), 2021, ISSN No : 1006-7930.
8. Dr B V S Rao, N Jyothirmayi (Corresponding author), “Finite element analysis of a compound die to make hexagonal washer”, International Journal of Engineering and Innovative Technology (IJEIT), Volume 10, Issue 1, July 2020, ISSN: 2277-3754.
9. Dr K. Hema Latha, Smt. Varimadugu Sandhya, Smt. Jyothirmayi Narne, An Extensive Investigation of Difficulties of Preparing Magneto-rheological Fluids, PAIDEUMA JOURNAL, Vol XIII Issue 10 2020
10. Varimadugu Sandhya & Jyothirmayi Narne, “Manufacturing And Testing Of Composite Rod For Replacement Of Mild Steel For Construction Purpose”, International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) ISSN (P): 2249–6890; ISSN (E): 2249–8001 Vol. 10, Issue 3, Jun 2020, 2853–2864
11. N. Jyothirmayi & Dr. B. V. S. Rao, “The Design And Fabrication Of A Compound Die To Make Hexagonal Washer”, International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) ISSN (P): 2249-6890; ISSN (E): 2249-8001 Vol. 9, Issue 4, Aug 2019, 517-528
12. Dr B James Prasad Rao, Dr. L. Suresh Kumar, G. Gopal, V. Jaipal Reddy, Jyothirmayi “Application of genetic algorithms For modelling the EDM parameters on Machining of AISI 4340 steel” Volume 10, Issue 1,

January-June, 2019, pp. 49–58, Article ID: IJPTM\_10\_01\_005 Journal Impact Factor (2019): 7.2150 (Calculated by GISI).

13. Jyothirmayi Nare, Varimadugu Sandhya, Nagini Yerramsetty and V Jaipal Reddy (2018), "Experimental and Numerical Investigations on Crack Propagation in Titanium Alloys", International Journal of Current Engineering and Technology , No.4 , Vol. 8, 922-927 UGC approved E-ISSN 2277-4106 P – ISSN 2347-5161.

#### International /National Conference

1. N Jyothirmayi, V Sandhya (2013) " Fracture Analysis of Titanium Alloys", 4<sup>th</sup> National Conference on Advances in Mechanical Engineering, ISBN: 978-93-825270-16-5, pp 22 - 27
2. V Sandhya, N Jyothirmayi, V Jaipal Reddy (2013), "FEA of Chasis Assembly", National Conference on " Innovations in Mechanical Engineering", 21<sup>st</sup>-22<sup>nd</sup> June, 2013, ISBN: 978-93-82163-00-8, pp 44 - 46

