

Professional Experience:

- **Teaching Experience:** Working as Assistant Professor in Department of Mechanical Engineering, RGUKT-Basar, from August 26th 2016 to till date
- **Academic Experience:**
 - **Research Domains:** Friction Stir Welding/Processing, Surface Coatings, Nano Materials, 3D Printing, Composites.
 - **Post-Graduation:** M- Tech (20014-2016), NIT Warangal, Research Supervisors: Prof. Neelakanteswara Rao A and Dr. K. Balasubramanian (Director-NFTDC)
 - **Graduation:** B. Tech, RGUKT-Basar, 2010-2014
 - **PUC (10+2):** M.Bi.P.C, RGUKT-Basar, 2008-2010

Publications/Conference Proceedings:

- **Narender Maddela**, Ch. Sai kiran, Aluri Manoj, M. Kapila, B. Swapna, S. Rajesham, "Design and Development of Three Component Milling Dynamometer", International Conference on Advances in Physical Sciences and Materials(ICAPSM-2021), August 12-13, SNS College of Technology, Coimbatore, Tamil Nadu, India. [doi:10.1088/1742-6596/2070/1/012168](https://doi.org/10.1088/1742-6596/2070/1/012168)
- **Narender Maddela**, Manoj Aluri, M.D. Jakirahemed, "Study on Defects repairing using friction Stir Technologies", International Conference on Materials Processing and Characterization(ICMPC-2020), December 15-17, Indian Institute of Technology, Indore, India. <https://doi.org/10.1016/j.matpr.2020.12.441>
- Aditya Alladi, Manoj Aluri, **Narender Maddela**, Charan Reddy Abbadi, "Recent progress of CNTs reinforcement with metal matrix composites using friction stir processing", International Conference on Materials Processing and Characterization(ICMPC-2020), December 15-17, Indian Institute of Technology, Indore, India. <https://doi.org/10.1016/j.matpr.2020.11.897>
- D.Bahar, **M. Narender**, M. Ravi, M. Rajashekhar, E.Satish, "Analysis of Performance of Si Engine Using Ethanol Blends With Gasoline", International Journal of Innovative Knowledge Concepts, 2018, Vol. 6,8, ISSN:2454-2415
- D.Bahar, **M. Narender**, A.Charan Reddy, "Performance Analysis of Knuckle Joint Made of Metal and Polymer", International Journal of Creative Research Thoughts (IJCRT), 2018, Vol. 6, 1, ISSN:2320-2882
- **M. Narender**, D.Bahar, "Modelling and Analysis of Flat Shape and Trunk Shape Piston", International Journal of Engineering & Science Research, 2018, Vol. 8, 7, ISSN 2277-2685
- **Narender.M** , Charan Reddy.A , J.P.Gautam, "Design of Jig for Alternator Stator prepared by Glue Stacking", International Journal of Scientific and Research Publications,2017, Vol. 7,7, ISSN:2250-3153

Book Chapter:

- **Narender Maddela**, Ajay Kumar V, Manoj Aluri, "A Review on Latest Trends in Derived Technologies of Friction Stir Welding," In text book Intelligent Manufacturing and Energy Sustainability, **Springer Nature**, Springer, Singapore. DOI: 10.1007/978-981-33-4443-3-23

Faculty Development Program/ Short Term Courses Attended:

- **" Numerical simulation and soft computing techniques in advanced manufacturing processes"**, AICTE Training And Learning (ATAL) Academy Sponsored Faculty Development Programme, Organized by Lakshmi Narain College of Technology 5th to 9th July 2021(1week).
- **"3D Printing & Design"**, AICTE Training And Learning (ATAL) Academy Sponsored Faculty Development Programme, Organized by University Visvesvaraya College of Engineering 5th to 9th October 2020 (1week)
- **"Tribology of Machine Components and Applied Tribology"**, AICTE Sponsored Online STTP, Organized by Saingits College of Engineering, Kottayam, 14th to 19th September 2020 (1 week)
- **"Mechanics of composite Materials and Structures"** , AICTE Training And Learning (ATAL) Academy Sponsored Faculty Development Programme, Organized by M.B.M. Engineering College, Jodhpur, 9th to 13th September 2020 (1week)
- **"Nanotechnology"**, AICTE Training And Learning (ATAL) Academy Sponsored Faculty Development Programme, Organized by Visvesvaraya National Institute of Technology, Nagpur, 24th to 28th August 2020 (1week)
- **"Novel Materials"**, AICTE Training And Learning (ATAL) Academy Sponsored Faculty Development Programme, Organized by Government college of engineering, Thanjavur, 17th to 21st August 2020 (1 week)
- **"Recent Trends in Product Development"**, AICTE Recognized Online Faculty Development Programme, Organized by Jyothi Engineering College, Thrissur, in association with SAE India & Kyeesha Research and Education Trust, Bangalore, 10th to 16th August 2020 (1 Week)
- **"Medical Prototyping using 3D Printing"**, Global Initiative for Academic Networks (GIAN) Course, Organized by National Institute of Technology ,Warangal, 15th to 19th July 2019 (1 Week)

Events Organized:

- **Convener**, Online Short Term Course, "Emerging Technologies in Processing of Advance Materials and its characterization" Organized by Department of Mechanical Engineering, RGUKT Basar, 4th – 8th January 2021.
- **Coordinator**, "Startup Meet RGUKT" Organized by RGUBAA at Vitwit Office, Hyderabad, Telangana, 15th December 2019.
- Organizing Member, Engineers Day Celebrations, 15th September 2019, RGUKT Basar.
- **Coordinator**, "Alumni Meet- 11 years of grandeur journey of RGUKT" Organized by RGUBAA at RGUKT-Basar 4th August 2019.
- **Organizing Member**, "1st Telangana State Convention" jointly organized by SPIC MACAY and RGUKT-Basar, 4th -6th January 2019.

Conferences/ Workshops/ Seminars:

- Participated in Indo - German workshop on Advanced Automotive Steels (IGWAAS - 2021), jointly organized by University of Hyderabad (UoH) and Universität Siegen (USI), collaboration with JSW Steel works Ltd, Salem (JSW) and Mubea Fahrwerksfedern GmbH, Weissensee (MUB), 4 – 5 March 2021.
- Participated in Indo-Korea Virtual conference on Development of Advanced Materials for Future Technologies (DAMFT-2020), Jointly organized by Jeonbuk National University, Jeonju, South Korea and Vellore Institute of Technology, Chennai, India, 9th & 10th July 2020.

- Oral Presentation in International Conference on Advanced Materials And Processes For Defense Applications (ADMAT-2019), DMRL, Hyderabad, 23 -25th September 2019.
- Resource Person for Induction program for 1st Year Engineering Students on 'Life skills using case studies', RGUKT-Basar, 20th June 2019.
- Attended First international conference on 'Coatings, Thin Films, Multilayer Devices & Sytems' held at NFTDC, Hyderabad Dec 2016.
- Attended fifth international conference 'Tribocorrosion V' on 'Wear and corrosion: Synergistic Effects and Road mapping solutions for mitigation in industrial and Service Environment' held at NFTDC, Hyderabad Dec 2016.

Academic/Administrative Responsibilities:

- Member, Committee to frame the regulations for endowments and donations for the award of gold medals, RGUKT-Basar.
- SPOC, University Representative, Smart India Hackathon-2022
- Publicity Coordinator, SPICMACAY Heritage Club RGUKT Basar, 2022-2024
- Core Committee member, NAAC Peer Team Visit, 25th -27th Oct 2021.
- Faculty Incharge, Design Club, Dept. of Mechanical Engineering, RGUKT-Basar.
- E1 Faculty Coordinator, Dept. of Mechanical Engineering, RGUKT-Basar(2021-22).
- Faculty Incharge, Automation and Robotics Lab, Dept. of Mechanical Engineering, RGUKT-Basar.
- Primary Evaluator, Toyathon-2021, Organized by Ministry of Education's Innovation Cell and AICTE
- Faculty In-charge, Alumni Affairs and International Relations, RGUKT-Basar(2021 to till date)
- Department Faculty Representative, Training and Placements, RGUKT-Basar (2020-21)
- Member, Executive Committee, Teaching Employees Association Muster(Team), RGUKT-Basar (July 2020-Feb 2022, March 2022 to till date)
- Member, Campus Beautification Committee (CBC), RGUKT-Basar (2019 to till date)
- SPOC, University Representative, Smart India Hackathon-2020
- Department Faculty Representative, Anthapragnya-2020
- Member, Alumni Relations in Anthapragnya-2020
- Member, Cultural Committee, RGUKT-Basar, (2019-20)
- Advisory Committee member, HOPE HOUSE, a trust formed for the and by the students of RGUKT from 2019 to till date
- Hostel Warden, RGUKT Basar, (2019-20,2020-21)
- Committee Member for University Convocation Program execution, 2019
- President, Alumni Association (RGUBAA),RGUKT-Basar, (Aug 2018- Sep 2019, Sep2019 to till date)
- Coordinator, Alumni Cell, RGUKT-Basar (2018 to 2021)
- Department Sports Coordinantor, RGUKT-Basar (2017-18, 2018-19)