

## PROFILE



**Name** : Ponugupati Narendra Mohan  
**Father's Name** : P.Chandra Mohan  
**Date of Birth** : 03-08-1982  
**Nationality** : Indian  
**Religion** : Hindu  
**Contact Number** : +91-9948061549  
**Address for Communication** : D.No.: 26-3-233, F-203, Sai Venkateswara Towers,  
4/3, Ashok Nagar, Guntur-522002  
**Contact Mail ID** : narendhramohan.p@gmail.com

### Educational Qualifications:

QUALIFICATION	INSTITUTION/UNIVERSITY	SPECIALISATION	YEAR OF PASSING
PhD	PURSUING in ANDHRA UNIVERSITY	Manufacturing	
M.TECH	RVR&JC /NAGARJUNA UNIVETSITY	CAD/CAM	2007
B.TECH	VIGNAN'S ENGINEERING COLLEGE / JNTU	MECHANICAL	2004

### Teaching Experience: 15Years 8Months

INSTITUTION/UNIVERSITY	DESIGNATION	PERIOD
Mona College of Engineering and Technology/JNTU	Asst.Prof.,in Mechanical Engineering	June-2007 on words to June2008
Sri Chundi Ranganayakulu Engineering College / JNTU-K	Asst.Prof.,in Mechanical Engineering	June-2008 on words to August-2012
Acharya Nagarjuna University	Asst.Prof.,in Mechanical Engineering	August-2012 to till now

### Research Interests:

Industry 4.0; Robotics; Manufacturing; Nano-Engineering; Artificial Intelligence–Machine Learning.

### Research Activities:

1. Number of Journals Published - 19

2. Number of Conferences /Seminars Organised - 02

3. List of International - National Seminars / Conferences / Workshops attended / Short-Term Courses etc.: 37

### International Papers Published: 19

1. **P. Narendra Mohan**, Ch. Srinivasa Rao "Dynamic Cellular Manufacturing System: A Review", *eISSN: 2249–4766, Volume 4, Issue 2, JoPRM (2014) 1-11.*

2. **P. Narendra Mohan**, Ch. Srinivasa Rao "Dynamic Cellular Manufacturing System Design for Automated Factories", *eISSN: 2249-4766, Volume 4, Issue 2, JoPRM (2014) 12-30.*
3. **P. Narendra Mohan**, K.Sowmya Joshi et.al. "Recycling and Analysis of Spent Engine Oil", *ISSN 2229-5518, Volume 6, Issue 11, International Journal of Scientific & Engineering Research (IJSER), November-2015, pp. 711-717.*
4. **P. Narendra Mohan**, Syed Khaja Naimuddin et.al "Wear Behaviour of Welded and Non-Welded samples of Friction Stir Welding of Similar and Dissimilar Joints of Aluminium Alloys (AA6061-AA6061), (AA6082-AA6082) & (AA6061-AA6082) Under T6 Condition", *ISSN Online: 0976-6359, International Journal of Mechanical Engineering and Technology (IJMET) Volume 7, Issue 4, July-Aug 2016, pp.289-299.*
5. **P. Narendra Mohan**, A.Rama Devi et.al."Metallurgical Characterization of Friction Stir Welding Joints of AA6061-AA6061, AA6061-AA6082 & AA6082-AA6082 Under T6 Condition", *ISSN [ONLINE]: 2395-1052, IJSART - Volume 2 Issue 8 -AUGUST 2016, pp. 71-76.*
6. **P.Narendra Mohan**, V.Venkatesu et.al. "Markov Chain Analysis of Pitting Corrosion in Underground Gas Transmission Pipelines to Prevent from the Failures", *ISSN [ONLINE]: 2395-1052, IJSART - Volume 2 Issue 8 - AUGUST 2016, pp 77-82*
7. **P.Narendra Mohan**, K.Danaiah et.al. "Parametric Optimization of Wear Behavior of Friction Stir Welded Dissimilar Joints Aluminum Alloys (AA6061 - AA6082)", *ISSN [ONLINE]: 2395-1052, IJSART - Volume 2 Issue 8 -AUGUST 2016, pp.83-89.*
8. **P. Narendra Mohan**, B.V.V.Naga Sudhakar et.al. "Modeling and simulation of Convergent-Divergent Nozzle Using Computational Fluid Dynamics", *e-ISSN: 2395 -0056, IRJET- Volume: 03 Issue: 08 - Aug-2016, pp.346-350.*
9. **P. Narendra Mohan**, M.Dinesh Kumar et.al. "Static Analysis of Wheel Rim Using CATIA and ANSYS16.0", *e- ISSN: 2395 -0056, IRJET- Volume: 03 Issue: 07 - July-2016, pp.2256-2261.*
10. **P. Narendra Mohan**, P.Anil Kumar et.al. "Design and Modal Analysis of Turbine Compressor Blade by FEM", *e-ISSN: 2395 -0056, IRJET- Volume: 03 Issue: 08 - August-2016, pp.2256-2261.*
11. **P. Narendra Mohan**, Khaleel Abdul Hur Ali et.al. "Modeling and Manufacturing of Green Go-Kart", *ISSN (P): 2249-6890; ISSN (E): 2249-8001 IJMPERD -Vol. 7, Issue 3, Jun 2017, pp. 233-248.*
12. **P. Narendra Mohan**, Hamzah kadhim Hasan et.al.. " Parametric Optimization of New Free Piston Engine Mounting by Design of Experiments and Response Surface Methods using Finite Element Method", *ISSN 2321- 3361, IJESCC -Volume 7, Issue No.5, May 2017, pp.11644-11651.*
13. **P. Narendra Mohan**, D.Demudu Naidu et.al. "Investigation of Mechanical Properties of Agave Americana Fibre Reinforced Hybrid Composites", *ISSN: 2321-9653, IJRASET Volume 5 Issue VII, July 2017, pp. 2082-2087.*
14. **P.Narendhra Mohan**, Kale Veera Vihar. 2019. "Design and structural analysis of a hover bike and its comparison between two different materials", *International Journal of Research Sciences and Advanced Engineering [IJRSAE] TM. Thomson Reuters Research ID: D-1153-2018, SJI Listed, Volume 2, Issue 27, PP: 39 - 46, JUL - SEP' 2019.*
15. **P.Narendhra Mohan**, V.Varala Babu. 2019. "Design and structural analysis of recycled ceramic reinforced composite pressure vessel using fem", *International Journal of Research Sciences and Advanced Engineering [IJRSAE] TM. Thomson Reuters Research ID: D-1153-2018, SJI Listed, Volume 2, Issue 27, PP: 65-72, JUL - SEP' 2019.*
16. **P.Narendhra Mohan**, B.Sarath Babu. 2019. "Frontal crash analysis on vehicle fascia system", *The International journal of analytical and experimental modal analysis, ISSN NO: 0886-9367, Volume XI, Issue VIII, August/2019, pp:2091-2102.*
17. **P.Narendhra Mohan**, D.KIRANTEJ.2020. "Design And Analysis Of Fuel Injection Nozzle For Better Performance Aero Engines Using Finite Element Method", *Open Access International Journal of Science and Engineering, ISSN (Online) 2456-3293, Volume 5, Issue 10 ,October 2020, pp.50-58.*
18. **P.Narendra Mohan**, Ch. Srinivasa Rao. 2021. "Redistributed manufacturing system under uncertain evaluation using multi criteria decision making", *Turkish Journal of Computer and Mathematics Education, ISSN 1309-4653, Vol.12 No.3(2021), pp: 3895-3908.*
19. **P.Narendra Mohan**, G. Tirupathi Rao.2021. "Fabrication And Analysis Of Thigh Bone Using Finite Element Method Using 3d Printing", *Journal of Engineering Services, ISSN NO: 0377-9254, Vol 12, Issue 10, Oct /2021, pp.162-170.*

#### **International – National Conferences / Seminars Conducted - 02**

1. **Organizing member** for **International Conference on Navigational Systems & Signal Processing Applications (NSSP 2013)**, held during **13th-14th December 2013** at **Acharya Nagarjuna University, Guntur.**

2. **Organizing member for UGC sponsored National seminar on Advances in Metal Matrix Composites held during 28<sup>th</sup> - 29<sup>th</sup> March 2014 at Acharya Nagarjuna University, Guntur.**

**List of International-National Seminars/Conferences/Workshops attended/Short-Term Courses : 37**

1. **Undergone the Training sessions organized by the SISI, Hyderabad on Project Management, 2007.**
2. **Participated in National Workshop on Role of Exergy Analysis in Advanced Energy Systems for Reduced Global Warming organized by Vignan's Engineering College, Vadlamudi, Guntur in July, 2008.**
3. **Undergone the workshop Organized by Microsoft – IEG on Systems Integration program, February 2009.**
4. **Undergone the workshop Organized by CADD Centre on Solid Works in V.R.S.Engineering College, Vijayawada, August-2009.**
5. **Undergone the workshop Organized by DALE CARNEGIE-WIPRO'S MISSION 10X Program on HIGH IMPACT TEACHING SKILLS at SCR Engineering College, Chilakaluripet, 5-10<sup>th</sup> December, 2011.**
6. **Participated in National workshop on E-content development held on 14<sup>th</sup> & 15<sup>th</sup> of February 2014 at Acharya Nagarjuna University, Guntur.**
7. **Participated in National Workshop on COMPUTATIONAL METHODS IN FLUID DYNAMICS (CMFD -2015) held on 16-18<sup>th</sup> DECEMBER 2015, M.V.S.R Engineering College Hyderabad – 501510.**
8. **Participated in National workshop on Scopus-Research Management and Publishing Tool, South Asia Consultant, Elsevier, held on 13<sup>th</sup> June-2016 at Acharya Nagarjuna University, Guntur.**
9. **Participated in National workshop on Research Methodology and Data Analysis-SPSS, held on 4<sup>th</sup> - 5<sup>th</sup> of July 2016 at Acharya Nagarjuna University, Guntur.**
10. **Participated in National Seminar on March to Make in India through Engineering Advancements (MMIEA) held on 29<sup>th</sup> -30<sup>th</sup> of September 2016 at RVR&JCE, Chowdavaram, Guntur.**
11. **Undergone Two-Day International Conclave on Dr.B.R.AMBEDKAR AND BUDDHISM, held during 24 & 25<sup>th</sup> February-2017.**
12. **Undergone One-Day Practical Electrocardiology October-2018 at Acharya Nagarjuna University (ANU), NagarjunaNagar, Andhra Pradesh, India.**
13. **Participated in Two-Week AICTE sponsored FDP on Green and Sustainable Technologies for Materials manufacturing and Processing from June 10-22, 2019 at PVP Siddhartha Institute of Technology, Vijayawada ,Andhra Pradesh, India.**
14. **Participated in 5Weeks online FDP on skills for librarians of National Webinar Lecture Series of 24 Lectures held from 16 May to 21 June, 2020.**
15. **Participated in One Day Webinar on eSim organized by Universal College of Engineering & Technology, in association with Spoken Tutorial, IIT- Bombay on 30 June 2020.**
16. **Participated in Online STTP on Application of Optimization Techniques in Mechanical Engineering Research- AOTMER conducted by Vitarka Projects during August 7- August 11, 2020.**
17. **Participated in One week AICTE sponsored STTP on "Nanotechnology and Functional Materials (NTFM-Phase-II)" held from 17th August to 22 August, 2020, organized by Department of Mechanical Engineering, S V College of Engineering, Tirupati.**
18. **Participated in Online Faculty Development Programme on Data Science from 24- 28 August 2020, organized by Centre for Data Science and Artificial Intelligence in association with Computer Society of India.**
19. **Participated in First International Virtual Conference On Nanomaterial, FIVCON - 2020, 10<sup>th</sup>–12<sup>th</sup> September, 2020 organized by Dept.of Nanotechnology, Acharya Nagarjuna University, Guntur, AP., India, as part of the ANU Nanotechnology Virtual Lecture Series**
20. **Participated in Poster Presentation entitled "Synthesis of graphene–gold nanocomposites through a highly green synthetic method", in the First International Virtual Conference On Nanomaterials, FIVCON-2020, 10th – 12th September, 2020 organized by Dept. of Nanotechnology, Acharya Nagarjuna University, Guntur.**
21. **Participated in Online Workshop on "Application of data science for Industries Problem Through Python" held from 10<sup>th</sup>-28<sup>th</sup> August 2020.**
22. **Participated in AICTE sponsored Short Term Training Program(STTP) on " Application of IoT and Smart Manufacturing in Engineering" Held during 22 - 27 March 2021(Phase-3),Organized by Suryodaya College of Engineering & Technology, Nagpur.**
23. **Participated in Five-Day Online Workshop on "Research Advances in Science & Engineering" organized by the Department of Mechanical Engineering, CREC(A), Tirupati during 14-18 June, 2021.**
24. **Participated in Three-day online Faculty Development Programme on 'Industry 4.0; Advanced**

Manufacturing, organized by Department of Mechanical Engineering, K.S.R.M College of Engineering, Kadapa from 18 - 20 June 2021.

25. **Participated** in Two-day boot camp on RPA using Blue Prism conducted by Department of Computer Science and Engineering from 22 - 23 June, 2021 by Chalapathi Institute of Engineering & Technology.
26. **Participated** in National Level Virtual Seminar on Role of 5G in Internet of Things Organized by Department of ECE, Dr. YSR ANUCET in Association with IQAC, ANU & IEEE, on 25 June, 2021.
27. **Participated** in National Level Webinar on Foundations of Artificial Intelligence & Machine Learning Organized by Department of CSE, Dr. YSR ANUCET in Association with IEEE Sub Section Amaravati, on 28 June, 2021
28. **Participated** in One-week National Level online Faculty Development Program on "Multi-Technologies" from 27 June to 3 July, 2021. Organized by Department of Computer Science & Engineering in collaboration with Brainovision and National Youth Council of India.
29. **Participated** in Six-day National level Online Faculty Development Program on "Multi-Technologies" organized by Department of Computer Science and Engineering, RISE Krishna Sai Prakasam Group of Institutions under IQAC in collaboration with Braino Vision Solutions India Pvt. Ltd. & National Youth Council of India held during 28 June to 3 July, 2021.
30. **Participated** in Two-day Workshop on IoT (Internet of Things) conducted by Department of Computer Science and Engineering from 2 to 3 July, 2021 by Chalapathi Institute of Engineering & Technology.
31. **Participated** in Six-Day International Virtual Faculty Development Program on Business Intelligence & Data Analytics using IBM Cognos Analytics & Tableau organized from 05 - 10 July 2021 by Stanley College of Engineering & Technology for women In collaboration with Smart Bridge Educational Services Pvt Ltd.
32. **Participated** in Three-day Workshop on Applications of Tree Based Models in Data Science conducted by Department of Computer Science and Engineering, Chalapathi Institute of Engineering & Technology, From 8 - 10 July, 2021.
33. **Participated** in International Workshop on Data Science Applications using ML & DL Techniques conducted by Department of Computer Science and Engineering, Chalapathi Institute of Engineering & Technology, on 19 July, 2021
34. **Participated** in Two-day National Online Workshop on Python Programming at Chaitanya Bharathi Institute of Technology, Hyderabad on 16<sup>th</sup> & 17<sup>th</sup> of July, 2021.
35. **Participated** in Online STTP on Application of Optimization Techniques in Mechanical Engineering Research-AOTMER conducted by Vitarka Projects during August 7- August 11, 2020
36. **Participated** in One week AICTE sponsored STTP on "Nanotechnology and Functional Materials (NTFM-Phase-II)" held from 17th August to 22 August, 2020, organized by Department of Mechanical Engineering, S V College of Engineering, Tirupati
37. **Participated** in Online Faculty Development Programme on Data Science from 24- 28 August 2020, organized by Centre for Data Science and Artificial Intelligence in association with Computer Society of India.

**Society Membership** : Life Member of ISTE, IIT-Delhi.  
**Number of M.Tech Projects Guided** : 12  
**Number of B.Tech Projects Guided** : 28

#### **Subjects Taught for M.TECH:**

- |                               |  |
|-------------------------------|--|
| 1. ADVANCED DESIGN MECHANISMS | 2. DESIGN OF MANIPULATORS & MECHANISMS |
| 3. DESIGN OF EXPERIMENTS      | 4. ADVANCED MANUFACTURING SYSTEMS      |
| 5. ROBOTICS                   |  |

#### **Subjects Taught for B.TECH:**

- |                                 |  |
|---------------------------------|--|
| 1. CAD / CAM                    | 2. FINITE ELEMENT METHOD                             |
| 3. ROBOTICS                     | 4. AUTOMOBILE ENGINEERING                            |
| 5. PRODUCTION TECHNOLOGY        | 6. METAL CUTTING & MACHINE TOOLS                     |
| 7. MACHINE DRAWING              | 8. PRODUCTION PLANNING & CONTROL                     |
| 9. I.C. ENGINES & GAS TURBINES. | 10. MANUFACTURING ENGINEERING                        |
| 11. FM&HMS                      | 12. ENGINEERING METROLOGY & MEASUREMENTS             |
| 13. DYNAMICS OF MACHINES        | 14. THERMAL ENGINEERING (BOTH BASIC & APPLIED)       |
| 15. ENGINEERING MECHANICS-- I   | 16. AUTOMATION & COMPUTER AIDED MANUFACTURING (ACAM) |

**SOFTWARE SKILLS**

:

Operating System : WIN 98/XP/200/2007

Programming Language : C, JAVA.

Database Known : ORACLE 9i.

Internet Technology : HTML.

Modeling package : CATIA V5, Autocad, Master Cam, M-TAB

**DECLARATION**

I hereby affirm that the details furnished above are true and correct to the best of my knowledge and belief.

Date: 27-02-2023

Signature