

CURRICULAM VITAE



Degree : Master of Technology (Ph.D)
Branch : Mechanical Engineering
Specialization : CAD/CAM, Powder Metallurgy

PERSONAL DETAILS:

Mr.K.Pavan Kumar Reddy

Kadapanagaya Palli (Village), Duddekunta (Post), Shimhadri Puram (Mandal), Pulivendula (Taluka),
Y.S.R.Kadapa (District), A.P (state) – 516454.

Email: pavanmech42@gmail.com, pavankumar.me@jntua.ac.in

Phone: 9491419908, 8125505869

D.O.B: 08/06/1988 **AGE:** 34 **SEX:** Male

Fathers Name : **Sri. K.C. Suryanarayana Reddy (Late).**

Mothers Name : **Smt. K. Obulamma (Late)**

Mother Tongue : Telugu

Languages Known : Telugu, English, Hindi, and Tamil.

ACADEMIC RECORD:

Course	Name of the Institution	Board/ University	Year of Completion	Percentage %
Ph.D (Powder Metallurgy)	School of Mechanical Engineering	Vellore Institute of Technological University, Vellore.	---	Pursuing
M.TECH (CAD/CAM)	R.V.R & J.C College Of Engineering, Guntur.	Acharya Ngarjuna University, Guntur.	2012	83.15 (with Distinction)
B.E. (Mechanical Engineering)	Thirumalai Engineering College, Kanchipuram.	Anna University, Chennai.	2009	78
DIPLOMA (mechanical engineering)	Loyolapolytechnic College, Pulivendula.	State Board of Technical Education And Training	2006	69.07
X Class (S.S.C)	Z.P.H. School, A.K.Guduru.	State Board of Secondary Education	2003	68

PROFESSIONAL OBJECTIVE:

I must use my abilities and skills to contribute to the growth of the organization in order to survive in a demanding environment.

PROFESSIONAL EXPERIENCE: Total (11 Years 9 months)**Teaching Experience:**

- October, 2009–November, 2010 (1 year)
Teaching Assistant (Adhoc), Department of Mechanical Engineering, JNTUA College of Engineering, Pulivendila-516390.
- September, 2012-Till date (10 Years 9 Months)
Assistant Professor (Adhoc), Department of Mechanical Engineering, JNTUA College of Engineering, Pulivendila-516390.

AREAS OF INTEREST:

- **CAD/CAM**
- **Manufacturing Technology**
 - Metal Forming Processes
 - Powder Metallurgy

COMPUTER PROFICIENCY:

Packages known : Pro-E Wildfire 4, CATIA V5, ANSYS 14.5, Master, Cam (Fanuc Basics), Autocad-2015, Solid works, Automation Studio, Workspace and MAT Lab.

MEMBERSHIP IN PROFESSIONAL SOCIETY:

- **Member** (M-1778455)
The Institution of Engineers (India)

ONLINE IDENTIFICATIONS:

- ORCID: 0000-0002-5091-7330
- Web of Science ResearcherID: HGF-2601-2022
- LinkedIn: <https://www.linkedin.com/in/k-pavan-kumar-reddy-mech-77a585259/>
- Resercher ID: pavanmech42

- Vidwan ID : 320132 (<https://vidwan.inflibnet.ac.in/profile/320132>)
- Google Scholar: <https://scholar.google.com/citations?user=xTUnXEgAAAAJ&hl=en>

PAPER PUBLICATIONS INTERNATIONAL /NATIONAL:

International

- K.Pavan Kumar Reddy, Y.Rameshwara Reddy, **“Optimization of Surface Roughness & MRR In Turning Operation Using Extended Taguchi Method”** in International Journal for Engineering Research Volume No.4, Issue No. Special Issue, PP : 93-97 ISSN – 2319-6890. 2014.
- Y.Pratap Kumar, K.Pavan Kumar Reddy, **“Design and Analysis of Aircraft Wheel hub”** in International Association of Engineering & Technology for Skill Development ISBN:978-15148872-194.2015.
- K.Pavan Kumar Reddy, **"Design and fabrication of Multi-Functional Elevator"** in International Journal of scientific & Engineering Research (IJSER), November-2016.
- K.Pavan Kumar Reddy, G.Janardhan Reddy, **"Development of Single Point Incremental Forming Process on CNC Milling Machine Using 3D Printed Fixture Arrangement"** Published in IJAERD, Volume 04 Issue 09, September-2017. e-ISSN : 2348 - 4470, p-ISSN : 2348-6406, UGC Approved. Impact factor - 4.72 (SJIF 2017).
- K.Pavan Kumar Reddy, C.Raghavendra, **"Optimization of Various Machining Parameters of EDM By Using Genetic Algorithm"** Published in IJAERD Volume 04 Issue 09, September-2017. e-ISSN : 2348 - 4470, p-ISSN : 2348-6406, UGC Approved. Impact factor - 4.72 (SJIF 2017).
- K.Pavan Kumar Reddy, C.Anitha **"Investigation on Influence of Annealing Temperatures in Formability and Dimensional Accuracy in SPIF process on stainless steel 304"** International Journal of Technical Innovation in Modern Engineering & Sciences, e-ISSN:2455-2585, Volume 4, Issue 12, December -2018, Impact factor:5.22.
- K.Pavan Kumar Reddy, **"Experimental Study of Single Point Incremental Forming on Aluminium Alloy 1100 for A Truncated Pyramid Shape"**, The International journal of analytical and experimental modal analysis, Volume 11, Issue 12, December -2019. P.g 1269-73.

- K.Pavan Kumar Reddy, "**Microstructural analysis and mechanical attributes of Al2024 alloy prepared through powder metallurgical technique**", Mukta Shabd Journal, Volume 09, Issue 12, December -2020. P.g.505-513.
- K.Pavan Kumar Reddy, "**Experimental investigation on surface roughness and MRR of Aluminium 2024 Alloy prepared via P/M route by using CNC milling Machine**", Mukta Shabd Journal, Volume 10, Issue 1, December -2021. P.g.546-559.
- K.Pavan Kumar Reddy, "**A Review on Influence of Process Parameters in Powder Metallurgy Technique**" Industrial Engineering Journal, ISSN: 0970-2555 Volume: 52, Issue 2, No. 1, February: 2023. P.g.371-375.

National

- Mr.K.Pavan Kumar Reddy , Dr.K.Srinivas, "**Multi-Objective Optimization of the Surface Roughness and MRR in Turning Operations Using Gray-based Taguchi Method**" National Level conference Proceedings, at School of mechanical Engineering, Vignana University. On 5th and 6th of April-2013, PP-107.
- K.Praneeth Kumar, K.Pavan Kumar Reddy, "**Design and analysis of three wheeler automobile helical gear**" National Level Conference Proceedings, at JNTUA college of Engineering, Anantapur PP-79.

CONFERENCE ATTENDED:

- Presented a paper in **National Level Conference** on Advances in Mechanical Engineering title on "**Multi-Objective Optimization of the Surface Roughness and MRR in Turning Operations Using Gray-based Taguchi Method**" at School of mechanical Engineering, Vignana University. On 5th and 6th of April-2013.
- Presented a paper in **National Level Conference** on Emerging Trends in Mechanical Engineering for Sustainable Development-2014 title on "**Optimization of Surface Roughness & MRR in Turning Operation Using Extended Taguchi Method**" at Department of Mechanical Engineering, RGM CET, Nandyala. On 22nd March 2014.
- Presented a paper on title "**Optimization of Turning Parameters & Cutting Tool Wear on AISI 1040 Using Utility Theory and Taguchi Method**" in the second national conference on Innovations in Mechanical Engineering, MITS, Madanapalli, during 18th & 19th December 2014.

- Presented a paper in **national conference** on trends in mechanical engineering title “**Design and analysis of three wheeler automobile helical gear**” at JNUTA College of Engineering Anantapur during 23rd -24th September 2015.
- Presented a paper in **national conference** on trends in mechanical engineering title "**Design and fabrication of Multi-Functional Elevator**" at JNUTA College of Engineering Anantapur during 27th August 2016.
- Participated in "**National Symposium of Mechanical Engineering Research Scholars (NSMERS 2016)**" held on 7th October, 2016 at NIT Warangal, Telangana state, India.
- Presented a paper in Two Day **National Level e-Conference** on “Recent Advances in Technology & Engineering (CRATE-2020) "**Optimization of Single Point Incremental Forming Process for AA 6061 Alloy on 3D printed fixture Using Genetic Algorithm**" held on august -2020, at Department of Mechanical Engineering, VEMU institute of Technology, Chittoor.
- Presented a paper in **International Conference** on recent advances in mechanical engineering (ICRAME-2021), "**Experimental Investigation on quality characteristics in a turning process of EN8 medium carbon steel and optimization using ISO**" held on March-2021 at Department of mechanical Engineering, P.V.P.Siddartha Institute of Technology, Vijayawada.

FACULTY DEVELOPMENT PROGRAMS ATTENDED:

- I have participated in more than 25 faculty development and career growth programs.

CARRIER ACHIEVEMENTS:

- Got Certificate of Merit for 2 times in B.E & overall merit certificate in M.Tech.
- Got certificate of mentorship in a two day national level workshop on “**Automation Studio**” software organized by the Department of Mechanical Engineering, JNTUA College of Engineering held during 9th and 10th September, 2017.
- Got Certification of appreciation as organizing member for organizing the "**University Level NSS Youth Festival**" at JNTUA College of Engg Pulivendula, on 11th, December, 2018.
- Got Certification of appreciation as organizing member for organizing the "**District Level Youth Parliament Festival**" at JNTUA College of Engg Pulivendula, during 17-19th January, 2019.
- I have guided 7 M.Tech and 9 B.Tech projects.

POST-GRADUATION PROJECT:

Title: - “Multi-Objective Optimization of the Surface Roughness and MRR in Turning Using Grey-Based Taguchi Method”.

THEORY SUBJECTS AND LABORATORIES HANDLED:

Theory Subjects:-

- Engineering Drawing, Automobile Engineering, Material Science Engineering, Machine Tools and Automation & Robotics for B.Tech Students, Computer Integrated Manufacturing and Robotics for M.Tech Students.

Laboratories:-

- CNC Lab, Modeling Lab, Automation Lab and FEA Lab for M.Tech Students, Machine Tools and Material Science Laboratory for B.Tech Students.

I, K.PAVANKUMAR REDDY, do hereby confirm that the information given above is true to the best of my knowledge

DATE:

PLACE:

(K.PAVAN KUMAR REDDY)