

# RESUME

## CHINTA MURALI

Assistant Professor,

Department of Mechanical Engineering,

GVPCDPGC (A), Visakhapatnam

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### Work Experience:

Working as Assistant Professor in the Department of Mechanical Engineering of Gayatri Vidya Parishad College for Degree and PG Courses (A), Andhra Pradesh from 2018 to till today.

### Academic Qualification:

- PhD (Pursuing) in Andhra University
- M.Tech. in CAD/CAM Specialization – First Class  
*JNTU Kakinada – 2017*
- B.E in Mechanical Engineering – First Class  
*Andhra University – 2015*

### Technical Skills:

- Solidworks 2021
- ANSYS 2024
- Mastercam
- CATIA V5 R20
- 3D Printing
- AutoCAD
- Deform 3D, Minitab

### Publications:

- P Krishna Murthy, **Ch Murali**, K Sai Kiran, KG Durga Prasad, P Chetan Reddy “**A User-centred Hybrid Framework for Material Selection Using QFD, TOPSIS, Entropy Validated Using Sensitivity Analysis**”, Journal of The Institution of Engineers (India): Series C, Vol 106, Springer 2025.
- K.Sai kiran Kumar, P.Krishna Murthy, **Ch.Murali** “**Effect of Process Parameters on Surface Roughness in Wire EDM of Titanium Alloys**” Vol 9, 2025.
- **Ch. Murali** and P.V. Vinay “**Effects of Sol-gel Processed Al<sub>2</sub>O<sub>3</sub> as a Lubricant on Machining Parameters of Al-6063**”, Recent Patents on Mechanical Engineering, Issue 2, volume 18, 2024
- Vinay P.V., **Murali Ch**, “**Investigation on the Influence of MQL on Machining Parameters During Hard Turning of AISI316L**”, *Recent Advances in Mechanical Engineering, Lecture Notes in Mechanical Engineering*, 2023, pp 253-262.
- R. Siddhardha, **Ch. Murali**, “**An Experimental Investigation towards Optimizing the Geometry and Material of Vortex Tube**”, *Journal of Thermal Engineering and Applications*, Vol. 6, pp. 01-06, Sep- 2019.

- **Ch. Murali, Dr. Sanjay Kumar. “Effect of Pulse Frequency and Wire Feed Rate on Grain Size and Penetration of Weld Bead in Double Pulse GMAW”, *International journal of engineering technology science and research*. ISSN 2394-3386, Sep-2017, pp: 1211-1216.**

**Subjects Taught and Labs Handled:**

- |                                   |                        |                                       |
|-----------------------------------|------------------------|---------------------------------------|
| • CAD/CAM                         | • Unconventional       | • CAD&CAE Lab                         |
| • Manufacturing Processes         | • Machining Processes  | • Manufacturing Technology Lab I & II |
| • Metal Cutting and Machine Tools | • Metrology            | • Engineering workshop                |
|                                   | • Engineering Graphics |                                       |
|                                   | • Production Drawing   |                                       |

**NPTEL / FDPs Attended:**

- EdX certification on courses - Solidworks and 3D Printing
- Attended and certified in the 12 weeks NPTEL online Courses, Rapid Manufacturing, Hydrogen Storage systems.
- Attended 5 Day FDP on Autodesk Fusion 360 software organised by BIM Labs Global, Kerala.
- Completed 4 weeks Induction Programme for Faculty in Universities / Colleges / Institutes of Higher Education organized by Teaching Learning Centre, Ramanujan College, University of Delhi.

**Workshops / Tech fest / Guest Lectures Organized:**

- Conducted IOT Expo, Impulse (Tech Fest) in the department.
- Organized 5-Day FDP on Research Methodology and Project Proposal Writing.
- Organized 3-Day Electric Vehicles workshop in association with Altair Pvt Ltd.
- Organized a one-day guest lecture on vibrations in association with the Flamboyant Solutions.

**Roles & Responsibilities:**

- ABC (Academic Bank of Credits) Coordinator
- Alumni Committee member for Engineering & Technology Program
- Department Timetable & CAD/CAM lab In-charge
- NAAC Criteria-1 Department Coordinator.
- Student Club (FIRE) – Faculty Coordinator