

## M UJWAL TEJA

Department : Mechanical Engineering  
College : Seshadri Rao Gudlavalleru Engineering College  
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### RESIDENTIAL ADDRESS:

D. No. 15-424/3, Panchayath Raj Colony, By pass Rd. Machilipatnam. 521002.

### ACADEMIC QUALIFICATIONS

- ❖ Ph.D - Pursuing (NIT-W): Manufacturing-Cutting Tools
- ❖ M. Tech - Machine Design
- ❖ B.E - Mechanical Engineering

### ACADEMIC REWARDS / ACHIEVEMENTS:

- ❖ Awarded as NPTEL DISCIPLINE STAR JUL-DEC 2023

### PROFESSIONAL EXPERIENCE (Teaching 7 years, Industry 7 years)

#### Teaching:

Designation	University/College	Period
Assistant Professor	Gudlavalleru Engineering College	13.11.2019 to Till Date
Assistant Professor	DMS SVH College of Engineering	17.07.2017 to 07.11.2019

#### Industry :

Designation	Organisation	Period
Sr Design Engineer	Sansera Engineering.	17.11.2011 to 25.10.2014
Application Engineer	Texcel Tools & Services	05.12.2010 to 16.11.2011
Asst Prod. Engineer	Minimac	20.08.2007 to 20.11.2010

### PROJECTS GUIDED

PhD	Post Graduation	Under Graduation
Nil	Nil	04

## **SPECIALIZATION:**

- ❖ Cutting Tools & Manufacturing (ConnectingRod, Crack Shaft, Rocker Arm)
- ❖ Manufacturing (Both Ferrous and Non-Ferrous Materials)
- ❖ Hydraulics and Pneumatics.

## **PATENTS**

- ❖ Design No.: 415477-001: **“REAR WHEEL CHAIN SPROCKET FOR IMPROVED POWER TRANSMISSION”** In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001: The Patent Office, Government of India.
- ❖ Design No.: 388594-001: **“SMART WATER BOTTLE”** In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001: The Patent Office, Government of India.

## **RESEARCH PAPERS / BOOKS**

❖ **BOOKS PUBLISHED IN PUBLICATIONS:** Nil

❖ **PAPERS PUBLISHED IN JOURNALS:**

<b>Journals: 03</b>	<b>National</b>	<b>:</b>	<b>Nil</b>	<b>International :</b>	<b>02</b>
<b>Conferences: 01</b>	<b>National</b>	<b>:</b>	<b>Nil</b>	<b>International :</b>	<b>01</b>

### **Journals:**

**a) National - Nil**

**b) International: 03**

1. M Ujwal Teja "Design and Analysis of an Unfired Pressure Vessel for Conducting Pressure Test ", IJIRST –International Journal for Innovative Research in Science & Technology| Volume 4 | Issue 3 | August 2017, ISSN(o): 2349-6010.
2. Ujwal Teja M “A Comprehensive AHP And VIKOR Method for Reclaimer Selection In GSCM”, IJRAR - International Journal Of Research And Analytical Reviews| Volume 7 | Issue 2 | April 2020, ISSN(o): 2349-5138.
3. Arif, Abdul, Vallapureddy Siva Nagi Reddy, Kode Srividya, and Ujwal Teja Mallampalli. "Utilizing multilayer perceptron for machine learning diagnosis in phase change material-based thermal management systems." Heat Transfer 53, no. 8 (2024): 4922-4947.

### **Publications In Conferences:**

a) **National** : Nil

b) **International:** 01

1. M Ujwal Teja “Cycle Time Reduction and Line Balancing In Gear Shifter Fork Manufacturing”, ICRCME- INTERNATIONAL CONFERENCE ON RESEARCH CONTRIBUTIONS IN MECHANICAL ENGINEERING | ISBN: 978-1-5136-9400-9.

### **LIST OF WORKSHOPS ORGANIZED:**

- ❖ Online FDP: two-week FDP on “**Machine Learning applicatons in Mechanical Engineering**” organized by E & ICT academy, NIT-w and SRGEC from 3rd to 14th February 2025.

### **LIST OF WORKSHOPS / SEMINARS ATTENDED:**

- ❖ Attended three Day Workshop on " **Mechatronics & Automation** " organized by the Department of Mechanical Engineering, Dhanekula Institute of Engineering & Technology from 26th to 28th August 2019.
- ❖ Attended Two Day faculty development programme on "**Advances in Manufacturing**" organized by the Department of Mechanical Engineering, Gudlavalleru Engineering College, Seshadri Rao Knowledge Village, Gudlavalleru during 16<sup>th</sup> - 17<sup>th</sup> November, 2018.
- ❖ Attended Five Day Workshop on " **Innovative Methods for Teaching Mechanical Engineering** " organized by the Department of Mechanical Engineering, NIT Warangal from on 22nd to 26th March, 2017.
- ❖ Attended one-week FDP on "**Green Manufacturing: The Present & The Future**" organized by the Department of Mechanical Engineering, Santhiram Engineering College, Nandyal, from on 15th to 20th May, 2020.
- ❖ Attended one-week FDP on "**Additive Manufacturing: The Research Scopes & Future Trends**" organized by the Department of Mechanical Engineering, Santhiram Engineering College, Nandyal, from on 22nd to 28th May, 2020.
- ❖ Attended Five-day FDP on "**Artificial Intelligence**" organized by the Department of Computer Science Engineering, Gayatri Vidya Parishad College For Degree And Pg Courses, Visakhapatnam, from on 22nd to 26th May, 2020.
- ❖ Attended one-week FDP on "**Research Trends in Mechanical Engineering**" organized by the Department of Mechanical Engineering, Gudlavalleru Engineering College, Seshadri Rao Knowledge Village, Gudlavalleru. during 15<sup>th</sup> - 20<sup>th</sup> June 2020.
- ❖ Attended Three-day FDP on "**Artificial Intelligence**" organized by the Department of Information Technology, Andhra Loyola Institute of Engineering and Technology, Vijayawada from on 18th to 20th June, 2020.
- ❖ Attended Three-day FDP on "**Artificial Intelligence**" organized by the Department of Computer Science Engineering, QIS Institute of Technology, Ongole from on 22nd to 24th June, 2020.

- ❖ Attended Three-day FDP on "**Application of Robotics, Mechatronics and Artificial Intelligence techniques in Various Systems of Industrial Environments**" organized by the Department of Mechanical Engineering, Tirumala Engineering College, Narasaraopet from on 06th to 08th July, 2020.
- ❖ Attended one-week FDP on "**Optimization Techniques for Mechanical Engineering**" organized by the Department of Mechanical Engineering, Vignan Institute of Technology and Science. during 27<sup>th</sup> July – 01<sup>st</sup> August 2020.
- ❖ Attended Five-day FDP on " **Recent Developments in Mechanical Engineering** " organized by the Department of Mechanical Engineering, PVPSIT, Vijayawada from on 10th to 14th August 2020.

**CERTIFICATIONS:**

- ❖ NPTEL: Certified for “Computer Integrated Manufacturing” with Silver Medal.

**GUEST LECTURES DELIVERED:** Nil

**MEMBERSHIP IN PROFESSIONAL BODIES:** Nil

**CONSULTANCY ACTIVITIES:** Nil

**GRANTS FETCHED/FUNDED R&D PROJECTS:** Nil