

Name: Suman Pandipati

Employee ID: A5MEC00T64

Designation: Assistant Professor

Department: Mechanical Engineering



Date of Birth: 20/12/1985

Father Name: Jonesh

Mother Name: Swrnalatha

Reservation Category if Any **BC-C**

SC	ST	BC- A/B/C/D/E	OC
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Address: DNo:1-19, D. Kuchipudi Post, Amrathaluru Mandal, Guntur District, AP-522313

Mobile Number: 7978214604

Email id: suman.inertia09@gmail.com.

Date of Joining in the Institution: 22-02-2021

Academic Excellence:

QUALIFICATION	BOARD / UNIVERSITY	DIVISION	YEAR
Ph. D (Mech. Eng.)	Centurion University of Technology and Management, Paralakhemundi.		Pursuing
M .Tech-(Design & Manufacturing)	Centurion University of Technology and Management, Paralakhemundi	Distinction	2013
B.Tech-(Mechanical)	Aditya institute of technology and management	First class	2009

Total Years of Experience (Teaching/Industry): 08 Years

Period		Organization/Institution	Designation
Nov2021	Till date	Aditya Institute of Technology and Management, Tekkali	Assistant Professor
Aug 2013	Nov2021	Centurion University of Technology and Management, Paralakhemundi	Assistant Professor
Jan 2017	Aug2019	Centurion University of Technology and Management, Paralakhemundi	Admissions officer
Jan2010	May 2011	Jaganath institute of technology and management, Paralakhemundi.	Lecturer

MEMBERSHIP WITH PROFESSIONAL BODIES

1. Life member of *ISTE* LM93861, SAE
2. International Association of Engineers (IAENG)

PROJECTS DONE DURING MY CAREER

1. **DIPLOMA PROJECT:** Manufacturing of VAR system
2. **B.Tech PROJECT:** Design and manufacturing of Hydraulic Water Bell
3. **M.Tech PROJECT:** Optimization of job shop scheduling problem using particle swarm algorithm
4. **PhD WORK:** Friction Stir process for aluminum and magnesium alloys.
5. **GOVT PROJECTS:** ITI Modernization - Andhra Pradesh, Vocational Colleges Modernization -Telangana

AREAS OF INTEREST:

1. Friction Stir Welding
2. Manufacturing Technology
3. Design Engineering
4. Form power machinery
5. Design and development of agriculture implements.

SUBJECTS TAUGHT

1. Kinematics of Machines
2. Dynamics of Machines
3. Strength of Materials
4. Advanced strength of materials.
5. Machine design
6. Workshop technology
7. Manufacturing science
8. Diesel mechanics domain (Automobile)
9. Manufacturing domain (CNC machines)
10. Production Technology
11. Material science
12. Form power machinery
13. Engineering drawing.

PROJECTS GUIDED/GUIDING:

1. Doctoral Projects : -
2. Masters Projects : 02
3. Bachelor Projects : 15

SPONSORED RESEARCH PROJECTS:

1. Completed a project on Design, Development and Fabrication of EBIKE(2017-2018).
Sponsored by Centurion University of Technology and Management, Paralakhemundi.
2. Completed a project on design and development of seed cum fertilizer and sprayers in
(2016-2018) sponsored by CUTM

HONORS AND AWARDS RECEIVED:

1. Received a best paper award in international conference in saveeta university Chennai

2. **Participated in Sieger Pro-Karting Championship dated** 13th to 17th February 2018 held in Aditya Engineering College, Surampalem , **Andhra Pradesh with a student team of 25 members ,Team: Stallions**
3. Received **Admission Incentive** for the year in department of mechanical of engineering at centurion university of technology and management, Parlakhemundi, Odisha
4. Received **Academic Performance Incentive** for the year in department of mechanical of engineering at centurion university of technology and management, Parlakhemundi, Odisha

PUBLICATION DETAILS

INTERNATIONAL JOURNALS:

S No	Title of the Research paper	Name of the Journal	Vol No.	Issue No.	Year of publication	Impact factor
1.	Studies on Characterization and Mechanical Behavior of Banana peel Reinforced Epoxy Composites	International Journal of Scientific & Engineering Research	Vol.4	No.6	2013	
2.	Development of a Computer Aided Process Planning System by Product Modeling using ST-Developer	International Journal of Conceptions on Mechanical and Civil Engineering	Vol.1	No.1	2014	
3.	Optimization of Process Planning System for Prismatic Parts using ACO	Journal of Material Science and Mechanical Engineering	Vol.2	No.5	2015	
4.	Integration of Process Planning and Scheduling of a Manufacturing Systems using Petri nets and Genetic Algorithm	Indian journal of science and technology	Vol.9	Issue 41	Nov, 2016	1.63
5.	Processing and mechanical behaviour of hair fibre-reinforced polymer-metal matrix composites	International Journal of Mechanical and Production Engineering Research and Development		Special	2016	Scopes
6.	A Survey on Friction Stir Welding of Dissimilar Magnesium Alloys	Ijsrr	VOL.8		2019	UGC
7.	Microstructural and strength comparison	International Journal of Modern	Vol. XII		2020	ESCI

of friction stir welding aluminium alloys	Manufacturing Technologies ISSN 2067-3604.				
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INTERNATIONAL CONFERENCES:

S. No.	Title of the Research paper	Name of the Proceedings	Page Nos.	Dates of the conference	Organized by
1.	A New Methodology to Extract Machining Features From Prismatic Parts	ICAET'2014	447-452	March 29-30, 2014	IIE, <i>Singapore</i>
2.	A New Methodology to Develop Computer Aided Process Planning System for Prismatic Parts using machining features	International Conference on Industrial, Mechanical and Production Engineering	12-18	27th - 30th Nov, 2014,	MANIT-Bhopal
3.	Optimization of Process Planning for Prismatic Parts using ACO	11th IRF International Conference.	45-50	2nd August 2015	Goa, India
4.	Production of Biodiesel from Renewable Biological Sources	International Conference on Biotechnology, Nanotechnology and Environmental Engineering (ICBNE'15)	23-28	April 22-23, 2015,	<i>Bangkok</i>
5.	Development of a Computer Aided Process Planning System by Product Modeling using ST-Developer	International Conference on Mechanical and Production Engineering	Vol.3 1-5	April 20-21, 2015,	<i>Malaysia</i>
6.	Integration of Process Planning and Scheduling of a Manufacturing Systems using Petrinets and Genetic Algorithm	International Conference on Design, Analysis, Manufacturing & Simulation	441-447	07-08th April 2016	Saveetha University, Chennai

NATIONAL CONFERENCES

1. Presented a Technical Paper in national conference on green engineering & technology (NEGET-2016) titled '**Thermo-mechanical analysis of diesel engine piston using**

ceramic crown”held on 16th to 17th March 2013 at **CENTURION UNIVERSITY, Parlakhemundi ,Odisha**

DETAILS OF CONFERENCES / WORKSHOPS / REFRESHER COURSES ORGANIZED:

1. National level Electric Bike Racing Championship
2. Faculty adviser for go-cart event Aditya Kakinada
3. A National work shop on Software Applications for Product Development in Manufacturing (SAPDM-2013) At CUTM, Parlakhemundi, Odisha.
4. A National work shop on New Trends in Manufacturing (NTIM-2014) At CUTM, Parlakhemundi, Odisha.

DETAILS OF CONFERENCES / WORKSHOPS / REFRESHER COURSES ATTENDED:

1. A two day Faculty Development Program on “New Horizons in Mechanical Engineering” on 22nd and 23rd March, 2013 under Technical Education Quality Improvement Program (TEQIP) **Phase II, Organized by Mechanical Engineering, AITAM, Tekkali.**
2. Faculty Development Program on Computer Aided Process Engineering and Computational Fluid Dynamics on 6th to 18th May 2013 under AICTE Sponsored. Organized by Chemical Engineering, **CUTM, and Parlakhemundi.**
3. Attended a 5 days QIP short-term course on “**Service science**” organized by Department of mechanical Engineering, **IIT- Kharagpur** during 06-12th july2013
4. Attended 7 days AICTE staff Development program on **Alternative Sources of energy & Alternative Automobile Fuels** Organized by Mechanical Engineering Dept, held on 17th to 29th May 2013 at **CENTURION UNIVERSITY,Paralakhmudi, odisha**
5. Attended a 5 days’ Workshop on *Advances and applications of composites nana materials and nana fluids* During 17th to 21st December 2015 at **AITAM College, Tekkali**
6. A two day Faculty Development Program on “Recent Trends in Mechanical Engineering” on 3rd and 5th March, 2014 under Technical Education Quality Improvement Program **Organized by Mechanical Engineering, GIT, Gunupur.**
7. Faculty Development Program on **Fault diagnosis ,condition monitoring and structural dynamics analysis** on 6th to 19th November 2017 sponsored by AICTE at **AITAM College, Tekkali**
8. Faculty Development Program On Product Engineering Through Additive Manufacturing, at Centurion University of technology and management, Parlakhemundi, Odisha from 23rd sept2019-26th sep 2019

FOREIGN COUNTRY VISITED

S. No.	Title of the Research paper	Name of the Proceedings	Page Nos.	Dates of Visit.	Organized by
1.	A New Methodology to Extract Machining Features From Prismatic Parts	ICAET'2014		March 29-30, 2014	<i>Singapore</i>
2.	Production of Biodiesel from Renewable Biological Sources	ICBNE'15		April 22-23, 2015,	<i>Bangkok</i>
3.	Development of a Computer Aided Process Planning System by Product Modeling using ST-Developer	ICMPE 15		April 20-21, 2015,	<i>Malaysia</i>

OTHER ACHIEVEMENTS:

1. Qualified **AMCAT** and **IELTS** in 2020
2. Acted as a Resource person **Orientation Program For The Inspire Awardee Teachers organized under Innovation In Science Pursuit For Inspired Research by Society of Educational Research & Technology(SERT) at District level in Srikakulam**
3. Acted as jury Member in inspire district level science Exhibition & project competition at Govt school, kotturu srikakulam dist.



Signature