


## FACULTY PROFILE

Name of the Faculty:		<b>Salkapuram. Vijay</b>				
Designation:		<b>Asst. Professor</b>				
Department:		<b>Mechanical Engineering</b>				
Date of Birth:		<b>06-01-1979</b>				
AICTE – ID:		<b>1-425991198</b>				
<b>Education</b>		<ul style="list-style-type: none"> <li>B.Tech in Mechanical Engineering from G.P.R.E.C, Kurnool, in 2001</li> <li>M.Tech in Manufacturing Technology from NIT- Calicut in 2004</li> <li>PhD in Powder metallurgy from Andhra University Pursuing</li> </ul>				
<b>Experience</b>		Teaching: 19 Years	Industry: ____Years	<b>Total: 19 Years</b>		
		Research: ____Years	Others: ____Years			
<b>Research Specialization</b>		<b>Functionally Graded Materials</b>				
<b>Courses taught</b>		<ol style="list-style-type: none"> <li>1. Design of Machine Elements (20ME502)</li> <li>2. Design of Transmission Elements (20ME602)</li> <li>3. Finite Element Methods (14ME604)</li> <li>4. Materials Engineering (20ME406)</li> </ol>				
<b>Research contributions</b>						
<b>International/national peer reviewed journals</b>						
S. No.	Title of paper	Journal	Year	Volume	pages	Indexing SCI/WoS/ SCOPUS, Google scholar)
1	Dry slide wear behavior of 601AC/B <sub>4</sub> C Selective layered functionally graded material with particulate Ni-P coatings	Materials Research Express	2020	Vol.6	1-21	SCI
2	A comparative investigation of hardness and compression strength of Nickel coated B <sub>4</sub> C reinforced 601AC/201AC selective layered functionally graded materials	Materials Research Express	2020	Vol.7	1-15	SCI

3	Optimization of Nickel deposition on Boron carbide particles using design of Experiments	Materials Today	2019	Vol.18	4421-4430	SCOPUS
4	Comparative Experimental investigation of Erosion behavior of AA2024/B <sub>4</sub> C metal matrix composites with particulate coating	Materials Science and Engineering	2021	Vol.101 7	1-8	SCOPUS

#### Books published

S. No.	Title of the book	Publisher	year
1			

#### Book chapters Published

S.No.	Title of the Chapter	Book title	Publisher	year
1	Geometry based dynamic behavior of functionally graded materials under fluctuating loads	Mechanical Engineering for sustainable development	CRC Press Taylor & Francis Group	2017

#### Details of Patents (Filed & Granted)

S. No.	Applications number	Title of the patent	Date of filing/publishing	Published/granted
1				

#### Details of Conferences/FDPs/STTPs/webinars/Workshops Organized

S.No.	Name of the event	Role	Dates
1	National Conference on Advances in Mechanical Engineering	Coordinator	27 <sup>th</sup> March 2012

#### Details of Conferences/FDPs/STTPs/webinars/Workshops Participated

S.No.	Name of the event	Organized by	Dates
1	Innovation and Intellectual Property rights	CSIR- Bhubaneswar	12-17 June-2023
2	Research methodology and scientific publishing	Bapatla Engineering College	28-29 <sup>th</sup> OCT-2023

**Awards/recognitions/achievements**

S.No.	Name of the Award	Awarding body/Society/Organization	Year
1	Best Teacher award	Bapatla Engineering College	2019

**Details of project proposals submitted/sanctioned/completed**

S.No.	Title of the Project	Funding body	Submitted/ Sanctioned/ Completed	Amount	Year/ duration

**Consultancy contribution**

S.No.	Year	Amount	Details
1	2021	5000/-	Powder Metallurgy specimens

**Student Project/research guidance**

S.No	Level	Total number	
1	UG	Completed: 20	Ongoing: 1
2	PG	Completed: 5	Ongoing: 0
3	PhD	Completed: --	Ongoing: --

**Administrative experience**

S.No.	Role	Duration (From – to)
1	Department Research coordinator	2023-

**Research credentials**

Index/database	ID/Link
Google Scholar	hW1c51oAAAAJ&hl=en
SCOPUS	57215477181
Web of Science	HHZ-6884-2022
Vidwan ID	324618 <a href="https://vidwan.inflibnet.ac.in/profile/324618">https://vidwan.inflibnet.ac.in/profile/324618</a>

**SALKAPURAM VIJAY**  
11-09-2023