



## ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada)


**Accredited by NAAC & An ISO 9001:2015 Certified Institution**

ITI Road, ALC Campus, VIJAYAWADA - 520 008 :: Website : [www.aliet.ac.in](http://www.aliet.ac.in) :: Ph : 0866 - 2476161

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### FACULTY PROFILE

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<b>Name of the Faculty</b>	<b>Mr. K TEJA SWARUP</b>	
<b>Designation</b>	<b>Assistant Professor</b>	
<b>Department</b>	<b>Mechanical Engineering</b>	<b>Date of Birth</b> 27/08/1990
<b>Date of Joining the Institution</b>	<b>05-01-2015</b>	<b>Native place</b> Vijayawada Andhra Pradesh, India
<b>Academic Qualification with Class/Grade</b>	<ul style="list-style-type: none"> <li>● <b>Pursuing Ph.D.</b> from Andhra University, Visakhapatnam.</li> <li>● <b>M.Tech in Industrial Metallurgy 1<sup>st</sup> Class</b>, Andhra University, Nov 2014.</li> <li>● <b>B.Tech in Mechanical Engineering 1<sup>st</sup> Class</b> from PVPSIT, Apr 2012.</li> </ul>	
<b>Employee ID</b>	<b>ALIET-15-01</b>	
<b>E-mail / Mobile</b>	<a href="mailto:swarupteja160@aliet.ac.in">swarupteja160@aliet.ac.in</a> +91-9908097899, +91-9121851618	
<b>Total Experience in Years</b>	<b>Teaching: 8 years, 6 months as of 15-07-2023</b>	<b>Research: 1 year as an Intern at DRDO-DMRL, HYD (2013-2014)</b>
<b>Faculty Development Programmes attended</b>	<b>FDP'S: 23 [15-07-2023]*</b>	
<b>Papers presented in Conferences/ attended</b>	<b>National: 00</b>	<b>International: 01 / Workshop:</b>
<b>PhDs / Projects Guided</b>	<b>PhDs: 00</b>	<b>Projects at Masters Level: 00</b>
		<b>Projects at UG Level: 09</b>
<b>Conferences/ Seminars / Workshops / FDP / Guest Lectures Organised @ ALIET</b>	<ul style="list-style-type: none"> <li>● <i>Organised A Five Day Fdp On "Operation And Maintenance Aspects Of Thermal Power Plants" From 12<sup>th</sup> To 16<sup>th</sup> Nov, 2018.</i></li> <li>● <i>A Five Day Fdp On "Computational Fluid Dynamics Using Ansys, Matlab &amp; C Programming" From 6<sup>th</sup> To 10<sup>th</sup> June, 2018.</i></li> </ul>	

	<ul style="list-style-type: none"> <li>● <i>A Five Day Fdp On “Advances In Materials &amp; Composites” From 6<sup>th</sup> To 10<sup>th</sup> Nov, 2017.</i></li> <li>● <i>Organised Many Guest Lectures In The Department From 2015-2016 To 2018-2019.</i></li> <li>● <i>Organised Hands On Practice Workshops For Students In Domains Of Non Destructive Evaluation, Entrepreneurship Awareness &amp; 3d Printing.</i></li> </ul>
<p><b>Other Responsibilities</b></p>	<ul style="list-style-type: none"> <li>● <i>Mentoring, Dept Website Incharge, Departmental Placement Cell Coordinator, Time Table In-Charge, Dept Incharges NAAC Criteria-7 &amp; NBA Criteria-8 2023-2024.</i></li> <li>● <i>Mentoring, Dept Website Incharge, NSS Dept Coordinator, Exam Cell Supplementary Incharge, Dept Incharges NAAC Criteria-7 &amp; NBA Criteria-8 2022-2023.</i></li> <li>● <i>Mentoring, Dept Website Incharge, NSS Dept Coordinator, Exam Cell Supplementary Incharge, NAAC Criteria-7 &amp; NBA Criteria-8 Dept Incharge 2021-2022.</i></li> <li>● <i>Mentoring, NSS Dept Coordinator &amp; NBA Criteria 8 Dept Incharge 2020-2021.</i></li> <li>● <i>Mentoring, NSS Dept Coordinator &amp; NBA Criteria 2 Dept Incharge 2019-2020.</i></li> <li>● <i>Mentoring, Time Table In-Charge , Guest Lectures &amp; Workshops Coordinator 2018-2019</i></li> <li>● <i>Mentoring, Time Table In-Charge , Guest Lectures &amp; Workshops 2017-2018.</i></li> <li>● <i>Working As NAAC Criterion-7 Departmental In Charge from 2017 to Till Date.</i></li> <li>● <i>Mentoring, Guest Lectures, Workshops &amp; Industry Visits Coordinator 2016-2017</i></li> <li>● <i>Mentoring, Guest Lectures &amp; Industry Visits Coordinator 2015-2016.</i></li> <li>● <i>Guest Lectures Coordinator &amp; Marks Memos In Charge 2014-2015.</i></li> </ul>
<p><b>Subjects Taught</b></p>	<ul style="list-style-type: none"> <li>● Instrumentation And Control Systems</li> <li>● Alternate sources of Energy</li> <li>● Production technology</li> <li>● Power plant engineering</li> <li>● Metallurgy &amp; Material Science</li> <li>● Non Destructive Evaluation</li> <li>● Refrigeration &amp; air Conditioning</li> <li>● Thermal Engineering-2</li> <li>● Automobile Engineering</li> <li>● Machine Drawing</li> <li>● Green Engineering Systems</li> <li>● Advanced Materials</li> <li>● Engineering Drawing</li> <li>● Nanotechnology</li> </ul>
<p><b>Laboratories Handled</b></p>	<ul style="list-style-type: none"> <li>● Metrology And Instrumentation</li> <li>● Fluid Mechanics And Hydraulic Machines</li> <li>● Engineering Workshop</li> <li>● Thermal engineering</li> <li>● Metallurgy and mechanics of solids</li> </ul>

	<ul style="list-style-type: none"> <li>● Production Technology</li> <li>● Computer Aided Engineering drawing practice</li> <li>● Computational fluid dynamics</li> <li>● Theory of Machines</li> </ul>
<b>Whether Ratified by University (Yes/No)</b>	<b>YES</b>
<b>Faculty Development Programmes attended Till Now</b>	
<ol style="list-style-type: none"> <li>1. A One Week FDP on FEA using ANSYS Conducted by the Mechanical Engineering Department from 26/09/2022 to 30/09/2022 at ALIET.</li> <li>2. A 5-Day Faculty Development Programme on “Enhancing Research Ecosystem in the Campus” organized by the Research &amp; Development Cell from 22nd to 26th August 2022. by MALLA REDDY ENGINEERING COLLEGE</li> <li>3. A One Week Online FDP on “Advancements in Thermal and Renewable Energy Technologies (ATRET-2022)” organized by the Department of Mechanical Engineering, LBRCE, Mylavaram, Krishna.04/07/2022 to 09/07/2022.</li> <li>4. A 5 Day Faculty Development Program on“PROGRESSIVE TRENDS IN MECHANICAL ENGINEERING" from 28th March to 1st April, 2022 organized by Dept of Mech Engg,ALIET.</li> <li>5. A Two Week Online International Faculty Development Programme on “RECENT ADVANCES IN MATERIALS AND CHALLENGES IN MANUFACTURING TECHNIQUES” Organized by Dept of Mechanical Engineering, JNTUK, from 07th Feb- 19th Feb 2022.</li> <li>6. One Week Faculty Development Programme on Emerging Trends in Thermal Engineering from 27.12.2021 to 31.12.2021</li> <li>7. A Five Day Online Faculty Development Program on “Additive Manufacturing: Present &amp; Future Trends” From 01st November 2021 to 06th November 2021.</li> <li>8. One Week FDP on “Emerging Trends in Thermal and Renewable Energy Systems” from 28-06-2021 to 02-07-2021.</li> <li>9. A Three DayFaculty Development Program on “MECHANICAL BEHAVIOR OF BIO &amp; COMPOSITE MATERIALS” from 11<sup>th</sup> to 13<sup>th</sup> June,2020.</li> <li>10. A Three day FDP on “Advanced Material Characterization Techniques” from 28th to 30th May,2020</li> <li>11. One Week Faculty Development Program on “Advanced NDT Techniques &amp; Applications in Industry” from 25th to 29th May,2020</li> <li>12. A 5-Day-National Level Online Faculty Development Program on ARTIFICIAL INTELLIGENCE from 22nd May to 26th May 2020.</li> <li>13. A Three Day Fdp On Automotive Structures Design Using Catia 30th april to 2rd May,2020.</li> <li>14. A Five Day Advanced Ndt Techniques &amp; Applications In Industry</li> <li>15. A Three Day Advanced Material Characterization Techniques-a Research Perspective</li> </ol>	

16. A Five Day Fdp On “**Siemens Nx Cam Milling**” From 11<sup>th</sup> To 15<sup>th</sup> November, 2019 Organized By Department Of Mechanical Engineering, Andhra Loyola Institute Of Engineering & Technology, Vijayawada In Association With Apsdc, Siemens & Designtech.
17. A One Week Fdp On “**Advances In Computational Fluid Dynamics: Methods And Applications Using Ansys-fluent And Matlab**” At Nit Warangal From 6<sup>th</sup>-11<sup>th</sup> May, 2019.
18. A Five Day Fdp On “**Operation And Maintenance Aspects Of Thermal Power Plants**” From 12<sup>th</sup> To 16<sup>th</sup> November, 2018 At Andhra Loyola Institute Of Engineering & Technology, Vijayawada In Association With Synergem Energy Training Center, Vijayawada.
19. A Five Day Fdp On “**Computational Fluid Dynamics Using Ansys, Matlab & C Programming**” From 6<sup>th</sup> To 10<sup>th</sup> June, 2018 Organized By Department Of Mechanical Engineering, Andhra Loyola Institute Of Engineering & Technology, Vijayawada.
20. A Five Day Fdp On “**Computational Fluid Dynamics**” From 29<sup>th</sup> April To 3<sup>rd</sup> May, 2018 At Vvit, Nambur.
21. A Five day FDP on “**Advances in Materials & Composites**” from 6<sup>th</sup> to 10<sup>th</sup> November, 2017 at Andhra Loyola Institute of Engineering & Technology, Vijayawada.
22. A ONE WEEK FDP on “**Advances in mechanical engineering**” from 23<sup>th</sup> to 27<sup>th</sup> Oct 2017 at VVIT, NAMBUR.
23. A Three day FDP Programme on “**ANSYS (Structural, Thermal and CFD)**” from 25<sup>th</sup> to 27<sup>th</sup> February, 2016 at Andhra Loyola Institute of Engineering & Technology, Vijayawada.

### **List of Publications in Journals/Conferences**

1) **Elevated Temperature Erosion Behaviour Of Thermal Sprayed Cr<sub>2</sub>C<sub>3</sub>-25(Ni<sub>20</sub>Cr).**  
ASIAN THERMAL SPRAY CONFERENCE, NOV 2014.

**K Teja Swarup**<sup>1</sup>, S.Gokul Lakshmi<sup>2</sup> and M.Manish Roy<sup>2</sup>.

2\*. Scientists at DRDO-Defence Metallurgical Research Laboratory(DMRL), Hyderabad.

2)**DESIGN AND FABRICATION OF A HIGH-YIELD EDIBLE OIL EXPELLER SCREW SHAFT.**

International Journal of Scientific Research in Engineering and Management (IJSREM)

N. Geetha Charan 1, A. Rama Krishna 2, Sk. Shoukat Ali 3, Sk. Mohiddin 4, **K. Teja Swarup** 5.

3)**Modelling and Manufacturing of Beam Engine Using CNC Machine**

HBRP Publication Recent Trends in Automation and Automobile Engineering

Shaik Mansur 1\*, B. Bhargav 2, K. Hari Krishna 3, M. Dency Moses 4 T. Surendra 5,

**K. Teja Swarup** 6.