



**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**

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**FACULTY PROFILE**

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<b>Name of the Faculty</b>	<b>Dr. T.SUBBA REDDY</b>			
Designation	<b>Assistant Professor</b>			
Department	<b>Mechanical Engineering</b>		<b>Date of Birth</b> 14-05-1993	
Date of Joining the Institution	<b>20-11-2017</b>		<b>Native place</b> Kurichedu, AP, India	
Qualification with Class/Grade	<ul style="list-style-type: none"> <li>• <b>Ph.D from VTU,2022.</b></li> <li>• <b>PG: M.Tech, 2016(72%)</b></li> <li>• <b>UG: B.Tech – Mechanical Engineering 2014(73.71%)</b></li> </ul>			
Employee ID	<b>ALIET-17-42</b>			
E-Mail	<b>Subbuvenky693@aliet.ac.in</b>			
Total Experience in Years	<b>Teaching:</b> <b>5.5</b>	<b>Industry: 00</b>	<b>Research: 5</b>	
Papers Published	<b>National: 01</b>	<b>International: 05</b>		
Papers presented in Conferences	<b>National: 0</b>	<b>International: 02</b>		
PhD Guide? Give field & University	<b>Field: ---</b>		<b>University: ----</b>	
PhDs / Projects Guided	<b>PhDs: 00</b>	<b>Projects at Masters Level: 00</b>		
		<b>Projects at UG Level: 04</b>		
Books Published/IPRs/Patents - 02	<p>A Text book of <b>Production Planning and Control</b> was published In <b>InSc</b> Publishing house with <b>ISBN: 978-81-940490-7-4</b> in 2020.</p> <p>A Text book of <b>Modern Machining methods</b> was published In <b>Lambert</b> Publications with <b>ISBN: 978-620-2-68080-6</b> in 2020.</p>			
Professional Memberships	<b>IAENG,IFERP</b>	<b>--</b>		
Whether Ratified by University (Yes/No)		<b>JNTUK-Yes</b>		

<b>Other Responsibilities</b>	<ul style="list-style-type: none"> <li>• In charge for Placements in department .</li> <li>• In charge for Yantra-The technical club .</li> </ul>
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- General secretary of ALIETAA
- Responsible for NAAC and NBA works.

### **Faculty Development Programmes attended:**

1. Participated in 5 days FDP on **Materials processing and Characterization - Current Perspectives** organized by **Bangalore institute of Technology association with Indian welding society** during 31<sup>st</sup> August to 4<sup>th</sup> September 2020.
2. Participated in 5 days FDP on **Artificial Intelligence, Machine learning and block chain technology in Production and supply chain management** in NIT Warangal in 2019.
3. Participated in 5 days FDP on **Product Re-Engineering** in **GVPEC –VIZAG** by **APSSDC** in 2019.
4. Participated in 5 days FDP on **COMPUTATIONAL FLUID DYNAMICS** using **ANSYS** and **C-programming** in 2018.
5. Participated in 3 days **entrepreneurship awareness camp** in Vijayawada in 2017.
6. Participated in 5day FDP on **operation and maintenance aspects of thermal power plants from 12<sup>th</sup> -16<sup>th</sup> Nov-2018** at ALIET.
7. Participated in 5day FDP on **Siemens NX CAM milling** from 11<sup>th</sup> -15<sup>th</sup> Nov-2019 at ALIET.
8. **Participated in NAAC one day workshop which is presented by Mr. Punumudi Rajan ,Deputy director of NAAC Committee, BENGALURU**

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

1. A Paper published in **Scopus** indexed journal on the title of "**Optimization of shell and tube heat exchanger design in Rankin cycle system by using Kinetic Gas Molecule Optimization**" In **IJIES**, Vol.12, No.2, 2019.
2. A Paper published in **Elsevier Scopus** indexed journal on the title of "**Calculation of Exergy destruction of various components y performing Exergy analysis on Stage-I of Dr. Narla TataRao thermal power station**" in **IJEAT** , Vol-9, issue-2, December 2019.
3. A Paper published in **UGC Care list –A** journal on the title of "**Experimental testing and investigation of thermal and mechanical characterization of glass fibre reinforced epoxy hybrid composites with and without mild steel scrap powder**" in **JOICS** , Vol-9, issue-9, 2019.
4. A Paper published with the title "**Optimum Design of Shell and Tube Heat Exchangers using Modified Kinetic Gas Molecule Optimizer for the use of Low Temperature in Organic Rankine Cycles**" in the journal **International Journal of Engineering and Advanced Technology**, Volume-9 Issue-3, February, 2020. DOI: 10.35940/ijeat.C5657.029320.
5. A Paper published with the title "**Modified Kinetic Gas Molecule Optimization for four fluids of Organic Rankine Cycle in shell and tube heat exchanger**" in the journal **Materials Today: Proceedings** which is indexed by **Scopus and Web of Science**.
6. A Paper published with the title "**Design of Commercial Building by Considering Various Structural Orientations**" in the journal **IOP-Earth and Environmental science** which is indexed by **Scopus and Web of Science in 2020**. doi:10.1088/1755-1315/822/1/012002
7. A Paper published with the title "**Enhanced Teacher Learning Based Optimization on Organic**

**Rankine Cycle in Shell and Tube Heat Exchanger "** in the journal **International Journal of Intelligent Engineering and Systems in 2021** which is indexed by **Scopus**.

8.A Paper published with the title "**Design and fabrication of beach dust collector "** in the journal **Research and Development in Machine Design** Volume 3 Issue 3.

**Scopus ID**                    <https://www.scopus.com/authid/detail.uri?authorId=57208534642>

**Web of science ID**   <https://publons.com/researcher/3092170/tallapureddy-subba-reddy/>

**Blog**                         <https://tsubbareddy.blogspot.com/>