

**ROLE DOCUMENT - ADDITIVE MANUFACTURING**

<b>REQUIREMENTS</b>	<b>Minimum Qualification</b>	ME/MTech or BE/BTech with work experience in the area of Additive Manufacturing
	<b>Technical Knowledge</b>	<p><b>"Must have":</b></p> <ol style="list-style-type: none"> <li>1. Operation and maintenance of FDM and DLP 3D Printers.</li> <li>2. Knowledge of CAD model slicing skills in Cura/Idea Maker/Slic3r and export as Gcode.</li> <li>3. Ansys workbench and topology optimization knowledge.</li> <li>4. CAD modelling skills.</li> <li>5. Knowledge of analysing research papers.</li> <li>6. Candidate with MATLAB programming skills would be an added advantage.</li> </ol> <p><b>"Good to have":</b></p> <ol style="list-style-type: none"> <li>1. 1-2 years of industry experience in additive manufacturing and CAD modelling.</li> </ol>
	<b>Behavioral Competencies</b>	Effective communicator, ability to coordinate and resolve conflicts, good team player
<b>PURPOSE</b>	<ol style="list-style-type: none"> <li>1. Develop, deploy and maintain WILP labs in the areas of Additive manufacturing</li> <li>2. Support student learning as per the course/ program requirement - requires scheduling and conducting labs, and evaluation</li> </ol>	
<b>KEY RESPONSIBILITIES</b>	<b>AREAS OF RESPONSIBILITY (Key Activities)</b>	
		<b>Lab deployment</b>
	1	Deploy labs to the WILP students as per the course requirement and assess the lab components ontime under the guidance of course faculty
		<b>Lab development</b>
	2	<ol style="list-style-type: none"> <li>1. Lab development in emerging areas of Additive Manufacturing - support the responsible faculty and the Experiential Learning Lead (ELL) from initiation, through proposal, procurement, commissioning, installation and development</li> <li>2. Develop lab exercises under the guidance of course faculty</li> <li>3. Support the creation of audio-visuals for marketing/training purposes</li> </ol>
	<b>Lab maintenance</b>	
3	Work with the Experiential Learning Lead (ELL) and the respective lab faculty for maintenance of lab equipment, and upkeep of software licenses	
	<b>Student support</b>	
4	Prompt resolution of student queries related to labs	