

ROLE DOCUMENT - AI - ML		
REQUIREMENTS	Minimum Qualification	BE/ BTech
	Technical Knowledge	<p><b>"Must have":</b></p> <p>1. Autonomous Vehicle &amp; AI/ML: Deep learning (Library/framework knowledge- Tensor flow, pytorch, Cuda), LLM, GenAI, Computer vision, Fuzzy logic, Sensors(LIDAR, Radar, IMU GPS), Kalman filter, ROS, PID control</p> <p><b>"Good to have":</b></p> <p>1. 1-2 year industry experience in AI/ML in autonomous vehicle applications</p>
	Behavioral Competencies	Effective communicator, ability to coordinate and resolve conflicts, good team player
PURPOSE	<p>1. Develop, deploy and maintain WILP labs in the areas of AI/ML in autonomous vehicles</p> <p>2. Support student learning as per the course/ program requirement - requires scheduling and conducting labs, and evaluation</p>	
KEY RESPONSIBILITIES	<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 on time under the guidance of course faculty
		<b>Lab development</b>
	2	<p>1. Autonomous vehicle development - support the responsible faculty and the Experiential Learning Lead (ELL) from initiation, through proposal, procurement, commissioning, installation and development</p> <p>2. Develop lab exercises under the guidance of course faculty</p> <p>3. Support the creation of audio-visuals for marketing/training purposes</p>
	<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	