| | | ROLE DOCUMENT - SMART MANUFACTURING & SECURITY | |
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| **REQUIREMENTS** | **Minimum Qualification** | ME/MTech or BE/BTech with work experience in the area of Automation | |
| | **Technical Knowledge** | **"Must have":**<br>1. PLC and SCADA<br>2. Familiarity with programming languages like C, C++ and Python<br>3. Modeling, analysis and design using MATLAB/Simulink<br>4. Raspberry Pi/Arduino/STM32 experience<br>**"Good to have":**<br>1. 1-2 year industry experience in automation | |
| | **Behavioral Competencies** | Effective communicator, ability to coordinate and resolve conflicts, good team player | |
| **PURPOSE** | 1. Develop, deploy and maintain WILP labs in the areas of smart manufacturing<br>2. Support student learning as per the course/ program requirement - requires scheduling and conducting labs, and evaluation | | |
| **KEY RESPONSIBILITIES** | | **AREAS OF RESPONSIBILITY (Key Activities)** | |
| | 1 | **Lab deployment** | |
| | | Deploy labs to the WILP students as per the course requirement and assess the lab components on time under the guidance of course faculty | |
| | 2 | **Lab development** | |
| | | 1. Lab development in emerging areas of automotive control systems - support the responsible faculty and the Experiential Learning Lead (ELL) from initiation, through proposal, procurement, commissioning, installation and development<br>2. Develop lab exercises under the guidance of course faculty<br>3. Support the creation of audio-visuals for marketing/training purposes | |
| | 3 | **Lab maintenance** | |
| | | Work with the Experiential Learning Lead (ELL) and the respective lab faculty for maintenance of lab equipment, and upkeep of software licenses | |
| | 4 | **Student support** | |
| | | Prompt resolution of student querries related to labs | |