

JOB DESCRIPTION

TITLE Subject Matter Expert HPC and AI

<i>ROLE</i>	The incumbent shall support the organization to establish the center of excellence around the state of the art technology in High-performance computing and Artificial Intelligence by developing BoM for HPC and AI infrastructure, preparing the technical documentation, user guides, content delivery, and development including F2F and online mode.
<i>REPORTING</i>	The role reports to the Technical Leader at FICE, Bangalore.
<i>RESPONSIBILITIES</i>	<p>The incumbent will be responsible for the following:</p> <ul style="list-style-type: none">• Assist the team in developing an efficient and cost-effective bill of material for high-performance computing, edge computing, and AI lab infrastructure.• Develop, curate and deliver engaging high-quality content in the field of high-performance computing, ML, DL and computer vision applications for eLearning and blended delivery, incorporating effective learning principles and design for the optimum learning experience.• Develop in-depth technical documentation, experiment manual, presentations, syllabus, and interactive webinars.• Extending support to partner institutions in conducting experiments, developing projects by virtual sessions online, face to face and email.• Lab setup, tools installation, and troubleshooting.
<i>LOCATION & TRAVEL</i>	Bangalore
<i>QUALIFICATIONS & EXPERIENCE</i>	<ul style="list-style-type: none">• Bachelor's degree or a master's degree in a field related to information technology (IT), computer science, software engineering or data science.• 5 Years, or more, of relevant work experience.
<i>SKILLS & ATTRIBUTES</i>	<p>The incumbent shall have the following skills:</p> <ul style="list-style-type: none">• Experience in working on HPC and AI technology, building, and integrating interactive learning content• Strong programming skills in C, C++, and Python in the Linux environment

- Comfortable working in Linux based operating systems like Ubuntu is must
- In-depth understanding of HPC programming concepts like code modernization, vectorization, parallel programming, multi-core and multi-threading, Shared and Distributed Memory is desirable
- Understanding of HPC infrastructure components like compute, network, and storage to process, store, and analyze massive amounts of data
- Hands-on experience in any of the cloud platforms like AWS, Microsoft Azure, IBM Cloud for AI, and data science applications is desirable
- Experience in delivering and developing content/training material of data science science-related libraries like NumPy, Pandas, Matplotlib, seaborn, and Scikit learn will be preferred
- Hands-on experience of deep learning frameworks like TensorFlow, Keras, Caffe, and Theano will add an advantage
- Experience in working with computer vision applications, image processing, working experience with OpenCV will be an advantage
- Basic understanding of microprocessors, microcontrollers, and the Internet of things will be an advantage
- Experience in handling technical projects, product development, mentoring, guiding of technical projects, and events will be a plus point
- Highly motivated, self-driven and a desire to be a lifetime learner
- Excellent analytical and multitasking skills
- Excellent communication and presentation skills
- Customer orientation and responsiveness
- Integrity and strong ethics