5 Days Training Programme on GPU NVIDIA DGX A100 Server
7th February - 11th February, 2022
Program Schedule

Date	Theory	Hands On
Day 1 **7th Feb, 2022**	● Docker Fundamentals 　○ Introduction to Docker 　○ Docker Basics ● NVIDIA GPU Cloud(NGC) 　○ Need of NGC 　○ Challenges Utilizing AI Softwares 　○ Getting Started with NGC ● User Account 　○ Account creation 　○ Privileges 　○ Debugging/ Docker installation	● Basic Linux Commands ● Best Practices on DGX server ● Docker Commands
Day 2 **8th Feb, 2022**	● Introduction to NVIDIA DGX series ● NVIDIA Edge Devices ● NVIDIA AI Stacks & Use cases ● Difference between CPU and GPU ● MIG Introduction & NGC ● Introduction to Docker and basic commands.	● Docker commands. ● Hands on NGC Containers
Day 3 **9th Feb, 2022**	● Introduction to AI and ML ● Introduction to Accelerated Data Science 　○ Introduction to RAPIDS ● Introduction to Deep Learning(DL) and Computer Vision ● Introduction to DL Framework	● Hands on RAPIDS ● Hands on Framework
Day 4 **10th Feb, 2022**	● Introduction to Accelerated DL and Inferencing 　○ Introduction to AMP ● Introduction to Data Loading and preprocessing 　○ NVIDIA DALI ● Introduction to Transfer Learning 　○ NVIDIA TAO ● Introduction to Inferencing 　○ NVIDIA TRT	● Hands on DALI ● Hands on TAO
Day 5 **11th Feb, 2022**	**END to END Project**	**END to END Project**