



Scientific Computing Facility



TERMS OF REFERENCE

Advanced Scientific Computing (ASC) Committee of the SBASSE

Purpose:

The Advanced Scientific Computing committee is the School's primary task force on providing oversight and strategic direction to the Syed Babar Ali School of Science and Engineering's advanced computing facilities including both hardware and software. It replaces the High Performance Computing (HPC) Committee.

Functions:

- Manage and optimise the utilisation of the **high performance computing facility** and all **satellite facilities** in the School, and recommend trajectories for its expansion and upgradation.
- Monitor and hire the **human resources** for the advanced computing facilities as well as the user base.
- Devise opportunities for **capacity building** in advanced scientific computing.
- Ensure the use of **licensed** scientific computing software, collecting data on the software needs of the School and recommending the expansion of licenses of existing and new softwares.
- Maintain a **transparent** and **accessible dashboard** displaying usage statistics, inventory of hardware resources specific to advanced scientific computing.
- Enable the advanced scientific computing resources to become a **national asset**.
- Supporting the need for **backups**, and **data storage**.
- Organising **workshops, hands-on training**, registration of users inside LUMS and outside.
- Formulate **policies & procedures** and identify strategic directions of growth for advanced computing facilities development to accomplish **research activities** at the SBASSE as well as in all upcoming global scientific challenges.

Meetings:

The members will meet at least twice in each semester at a suitable time. Additional meetings will be scheduled as and when required.

Date: Feb 28, 2020