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