HIGH PERFORMANCE COMPUTING
15th July 2019 to 19th July 2019

To introduce various parallel programming models, such as, Open Multiprocessing (OpenMP) for shared memory machines, Message Passing Interface (MPI) for distributed memory machines, and Compute Unified Device Architecture (CUDA) a parallel computing platform and application programming interface (API) model created by NVIDIA for GPU technology.

Workshop Deliverable

- To conduct hands-on on these programming models
- To introduce parallel programming clusters and heterogeneous architectures

For Faculty, Research Scholars it will be a great platform to get introduced to the application proximity and the tangible areas of innovation from domain experts.

Rationale
Computational research can act as a fabric that connects different domains of knowledge such as various branches of engineering, physical, chemical, as well as biological sciences. The goal of this workshop is to provide the attendees with a focused and in-depth platform for presentations, discussion and interaction in the field of high performance computing (HPC).

“High Performance Computing most generally refers to the practice of aggregating computing power in a way that delivers much higher performance than one could get out of a typical desktop computer or workstation in order to solve large computational problems in science, engineering, or business.”

Important Dates:
- Last date of online registration - 1st July 2019
- Workshop Dates - 15th - 19th July 2019
- Venue - Department of Information Technology, Walchand College of Engineering, Sangli.

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Organizing Team:
- Dr. D.B. Kulkarni (IT) (Convener)
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- Dr. P.G. Sonavane (I/C Director)

For more details visit: www.walchandsangli.ac.in

Registration:
- Interested candidates are requested to send their short CV and expression of interest to the following E-mail ID: hpc.workshop@walchandsangli.ac.in
- No registration fees will be charged to the participants for this FDP. However, to confirm the participation Rs. 1000/- need to be transferred via online payment (link available on Institute website)
- Participants should arrange for their own travel up to WCE, Sangli Campus.
- It is expected that the participants have knowledge of C/Fortran programming language and Linux OS.
- Few selected candidates will be provided free boarding and lodging (shared accommodation) during the workshop.
- Participants may bring their own laptops with pre-installed Linux OS.

Speakers:
Eminent speakers from CDAC, NVIDIA and WCE, Sangli.