Bootcamp on using Paramshakti supercomputer

October 01, 2021

Organized by the Centre for Computational and Data Sciences, IIT Kharagpur

This is a 2.5 hours Bootcamp is aimed at training students, postdocs, and faculty of IIT Kharagpur on using the Paramshakti (PS) supercomputing facility. It will introduce you to the supercomputer configuration, software environment, and job submission, and wherever possible, a demonstration of these will be shown. This Bootcamp is going to happen once every two weeks until further notice.

The number of participants is limited to 100.

Workshop Links:

[Online registration form](#)

(No registration fee.)

Contact email: hksahu@iitkgp.ac.in

Prerequisites:
Preliminary knowledge in using basic Linux commands; any text editor like nano, vim, etc

Important Dates:
    Submission open to participants: 29th September, 1:00 PM
    Last date for registration: 30th September, 9:00 PM
    Date of notification and sharing of online link: October 1, 2021 3.30 PM
    Event Timing: October 1st, 2021, 4.30PM

*Registration will be closed earlier if capacity is reached. Early registration is recommended

Speakers:

- Mr. Hemanta Kumar Sahu
- Ms. Arunima Ghosh
- Mr. Debajyoti Kumar

Schedule:

16.30 - 16.35	Welcome
16.35 – 16.50	Introduction to PS supercomputer
16.50 - 16.55	Supporting staff and charging policy
16.55 - 17.05	How to connect to PS
17.05 - 17.15	Software environment and modules
17.15 - 17.25	Q&A
17.25 - 17.30	Break
17.30 - 17.40	Job scheduler - SLURM
17.40 - 17.50	A brief introduction to serial and parallel (MPI, OpenMP, and GPU) computing
17.50 - 18.05	Useful slurm commands (and demonstration)
18.05 - 18.30	Job submission scripts and submitting jobs (and demonstration)
18.30 - 18.40	Job monitoring
18.40 - 19.00	Q&A