IIT Indore - SERB funded high-end
Workshop on Parallel computing: GPU, FPGA based computation for machine learning applications

Objectives of the workshop

Many computational experiments, ranging from Mathematics to Biology, require huge computational facilities. Many researchers, particularly in India, do not have access to such high end facilities. With the advent of cloud computing services, there is ample opportunity for researchers to access these high end computational hardware free of cost or with minimal cost. This workshop builds the basics required to access these resources and also opens up code development in these kinds of shared resources. The workshop is for anyone who wants to explore the usage of cloud based high end computation facility.

Date and Venue:

4th July 2022 to 10th July 2022, IIT Indore campus

Course modules

- Introduction to high end computational facilities
- Basics of C, Python language programming and digital electronics
- Introduction to cloud based computation with examples
- GPU and FPGA computation - overview
- Practical examples of high performance computational algorithms in GPU, FPGA and other cloud based platforms.

Course faculty

Eminent faculty members from academia and industry will be teaching this course

Who should attend

Post Graduate students and research scholars who are interested in exploring cloud based computational platforms can apply. Registration including accommodation cost for the first 25 eligible participants are free of cost.

For more details contact: Dr. Satya Bulusu - sbulusu@iiti.ac.in and Dr. Srivathsan Vasudevan - svasudevan@iiti.ac.in

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Course features

- Registration fees - Nil

- Certificate to the participants after successful completion of the course

- Course timings - 10:30AM - 4:30PM

- Total participants: 25

- The coordinators have the right to select the 25 participants based on merit

General information

- Eligibility: Masters and Ph.D students who are interested in working on computational research

- Accommodation for participants may be provided with catering facility based on request and availability

- To and fro travel allowance for the participants will be provided from their host institute as per SERB and GOI norms.

- Daily workshop expenses of the participant including boarding and lodging will be taken by us

- After last date of registration, selected candidates will be informed by email.

- A No objection certificate from the Head of your Institute is mandatory

Registration procedure

Registration link: https://forms.gle/e94ShQ8GgbSKhj2T9

Last date for application: **25th June 2022**

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