



Module PMRF-ISSS102/2024

Introduction to GPU Architectures

Name of the PMRF student

Prashanthi S K

Required background of the students taught

Students of Computer Science, Information Technology/Science, Electronics and Communication, Electronics and Instrumentation, Electrical and Electronics



Details of the content of the module

Week 1

Primer on Computer Architecture

Week 2

Introduction to GPU Architectures

Week 3

Introduction to CUDA programming

Week 4

Mapping of dataspace and synchronization

Week 5

Warp scheduling and divergence

Schedule of the module

Course Start Date – Jul 27 2024

Course End Date – Aug 25 2024

Total Duration – 5 weeks/20 hours

Weekly sessions- 4 hrs per week Sat and Sun

Session timings – 5-7 PM IST Sat and Sun

Meeting link : Will be shared later

[Link](#)

Contact email ID: issf.forum@gmail.com

Registration link: [Google Form](#)