



BMCS3003

Distributed Systems and Parallel Computing

Presented by

Assoc Prof Ts Dr Tew Yiqi
May 2023

Lecturers



Assoc Prof Ir Dr Tew Yiqi

Major of Study/Specialization:

Computer Engineering, Signal Processing,
Video Coding

Area of Interest:

Image / Video (H.264, HEVC) Processing,
Embedded System (Internet of Things),
Security (Information Hiding)



Mr Wong Hon Yoon

Major of Study/Specialization:

Distributed computing

Area of Interest:

Object oriented programming techniques,
java programming



Dr Ang Sau Loong

Penang Branch

Senior Lecturer

Course Learning Outcomes

Three learning outcomes for a future computer scientist to learn this course:

- 01** **Demonstrate appropriate programming skills with regards to parallel and distributed computing. (P4, PLO3)**
- 02** **Analyse a given scenario with parallel and distributed computing techniques. (C4, PLO2)**
- 03** **Discuss the variety of parallel and distributed computing techniques. (C2, PLO1)**

Scores

01

Midterm Test (40%)

To be conducted in Week 7 / 8
In lecture class

02

Assignment (60%)

To be completed in Week 12,
presented in Week 13 and 14.

03

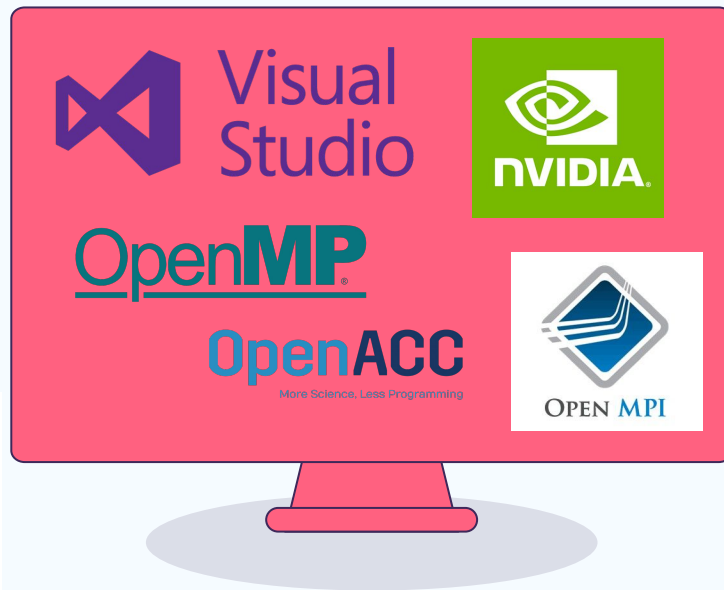
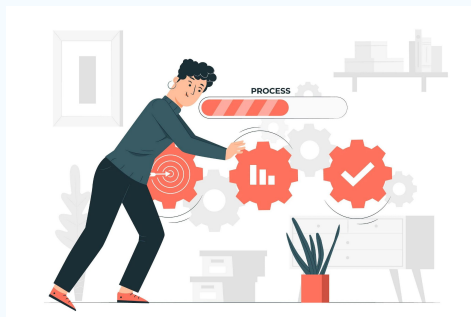
Final Examination

You have to go through
Past Years Examination

Requirements

Make sure you have a computer that runs with Visual Studio 2019 / 2022.

NVIDIA Graphic Card is preferable for CUDA programming.



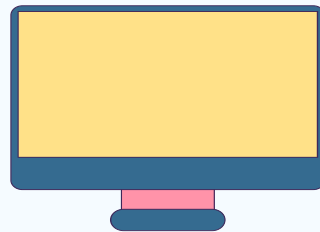
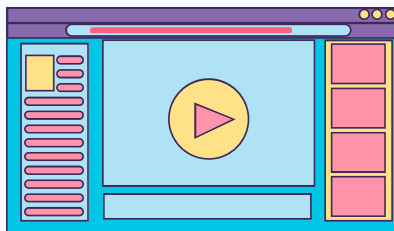
Alternative resources

Here's an assortment of alternative resources:

1. NVIDIA Corporation. 2023. CUDA Toolkit Documentation 12.1. Available at: <https://docs.nvidia.com/cuda/>
2. OpenACC-standard.org. 2022 Programming and Best practices guide. Available at: <https://www.openacc.org/sites/default/files/inline-files/openacc-guide.pdf>
3. OpenMP Architecture Review Board. 2021. OpenMP 5.2 API Syntax Reference Guide. Available at: <https://www.openmp.org/wp-content/uploads/OpenMPRefCard-5-2-web.pdf>



HTTPS
SSL



Thanks!

Do you have any questions?

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Email or Google Chat

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