ASSIGNMENT COVER PAGE

Programme	Course Code and Title
UCSEW - BACHELOR OF COMPUTER SCIENCE (HONS) / UCNT - BACHELOR OF COMPUTER SCIENCE (HONS) IN COMPUTER AND NETWORK TECHNOLOGY	CAT3053/N Distributed Computing

Student's name / student's id	Lecturer's name
	Dr. Wong Khang Siang

Date issued	Submission Deadline	Indicative Weighting
Week 7 – 13/03/2023	Week 12 – 21/04/2023	30%

Assignment [2] title	Report Writing

This assessment assesses the following course learning outcomes

# as in Course Guide	UOWM KDU Penang University College Learning Outcome
CLO3	Evaluate distributing computing solutions in response to business-related problems. (C6, PLO7)

# as in Course Guide	University of Lincoln Learning Outcome
	N/A

Student's declaration

I certify that the work submitted for this assignment is my own and research sources are fully acknowledged.

Student's signature:

Submission Date:

Dates and Mechanisms for Assessment Submission and Feedback

Mechanism for handout to students	MS Teams
Mechanism for submission of work by student	*Softcopy online submission via MS Teams*
Date by which work, feedback and marks will be returned to students	05/05/2023
Mechanism for return of assignment work, feedback and marks to students	Feedback will be provided by a marking template. This will be available to students via MS Teams. The discussions at the walkthroughs will also provide informal feedback

COURSEWORK SUBMISSION GENERAL INFORMATION

Academic Integrity Statement

You must adhere to the university college regulations on academic conduct. Formal inquiry proceedings will be instigated if there is any suspicion of plagiarism or any other form of misconduct in your work. Students must **NOT** collude with other groups of students or plagiarize their work.

Nature of the submission required

A soft copy of your assignment in **PDF version** should be submitted to lecturer, no later than the date and time stipulated on the cover sheet. In addition, an electronic copy of your work must be submitted to Turnitin. The first page of your report, immediately after the cover page, must be a page from Turnitin clearly showing your name and your Originality Score (Please refer to submission arrangement). Re-submission must be committed, if the submitted report exceeded 20% of Turnitin originality, otherwise 10 marks will be deducted for plagiarism.

Diagrams may be used where they are helpful to support your arguments or description. If they are not your own work, the source must be referenced. Please help us to handle and mark your work efficiently.

Documentation guidelines

Student is required to submit a **SOFTCOPY** of the report and ensure that it uses the following formatted styles: 1) Font type: **ARIAL**, 2) Font size: **11 pt**., 3) Line spacing: **Single spacing** and 4) Page layouts: **Justify**. Please make sure you have proper format alignment for all paragraphs, following standard writing style, and use **HARVARD CITATION STYLE** for citation. Please include a **HEADER** with the following information: **Student ID, Student name, Course code and Assignment type**. Please also include a proper cover page for your submission which contains information about the students, assignment, course, and department with UOWM KDU Penang University College and University of Lincoln (UoL) logos on top. Also include page number at the footer page and list of references, which is shown in the last page.

Penalties for Late Submission

For late submission of this Assignment, a penalty of a reduction by 10% of the maximum mark may be applicable for each Calendar Day or part thereof that the submission is late. An Assignment submitted more than **TEN** Calendar Days after the deadline will have a mark of zero recorded for this Assignment.

Submission arrangement

1. Cover page
2. Turnitin similarity report
3. Table of content
4. Main report
5. Reference list or bibliography list (whichever applicable)
6. Marking rubric (in landscape orientation)

File naming convention

Please make sure you save your filename with the following format:

- <Student Name>_coursecode_A2_Jan23.pdf

Assignment instructions/Background

General Instructions: Based on the following task, Students are required to review at least **TEN academic articles** such as journal articles, conference proceedings, academic books, or blueprint reports to support the answers and **minimize** the use of online resources such as online magazines, newspaper, or personal blog to support the answers for assignment task. **The usage of Wikipedia and Technopedia as references is strictly prohibited**. You may use diagrams and tables to support and justify your answers. This individual assignment report must have a minimum of 800 words but less than 1200 words for the overall report.

Description
This assignment is an **individual assignment.**

Task

Part 1 – Elaboration on Mobile Crowd Sensing.
Explain the concept of mobile crowd sensing with proper referencing and sources. Discuss the working of mobile crowd sensing with example applications. This part should not exceed **500 words threshold**.

Part 2 – Evaluation of Distributed Computing Solution in Business Setting.
Critically evaluate the benefits, limitations, and challenges of mobile crowd sensing. Discuss how a company could utilize mobile crowd sensing to improve the business strategy to achieve business targets. This part should not exceed **500 words threshold**.

Part 3 – References, Sources & Citation

Deadline
The deadline for report submission of this assignment is **21/04/2023 (Week 12)**.

CAT3053/N Distributed Computing Marking Rubric
ASSIGNMENT [2] Report Writing (Weighted marks: 30%)

		REPORT COMPONENT (100%)				

LEARNING OUTCOME	MARKING CRITERIA	SCALE				
		Fail (0-49)	3rd Class (50-59)	2nd Lower Class (60-69)	2nd Upper Class (70-79)	1st Class (80-100)	YOUR MARKS/COMMENTS

LEARNING OUTCOME	MARKING CRITERIA	Fail (0-49)	3rd Class (50-59)	2nd Lower Class (60-69)	2nd Upper Class (70-79)	1st Class (80-100)	YOUR MARKS/COMMENTS
CLO3: Evaluate distributing computing solutions in response to business related problems. (C6, PLO7)	1. Elaboration of Distributed Computing Solution in Business Setting (45%)	Students demonstrate superficial understanding towards Distributed Computing Solution in Business Setting.	Students demonstrate acquisition of new content from significant learning experiences. Report entry provides evidence of gaining knowledge, making sense of new experiences, or making linkages between old and new information related to Distributed Computing Solution in Business Setting.	Students demonstrate thoughts about or challenges to beliefs, values, and attitudes of self and others. Report entry provides examples of self-projection into the experiences of other, sensitivity towards the values and beliefs of others, and/or tolerance for differences related to Distributed Computing Solution in Business Setting.	Students demonstrate the application of learning to a broader context of personal and professional life. Report entry provides evidence of student's use of readings, observations, and discussions to examine, appraise, compare, contrast, plan for new actions or response, or propose remedies to use in and outside structured learning experiences related to Distributing Computing Solution in Business Setting.	Students demonstrate examination of the learning process, showing what learning occurred, how learning occurred, and how newly acquired knowledge or learning altered existing knowledge. Report entry provides examples of evaluation or revision of real and fictitious interactions related to Distributed Computing Solution in Business Setting.	
	2. Evaluation of Distributed Computing Solution in Business Setting (45%)	No analysis or meaning making related to Evaluation of Distributed Computing Solution in Business Setting	No analysis or meaning making. Shows some thinking and reasoning but most ideas are underdevelop and unoriginal related to Evaluation of Distributed Computing Solution in Business Setting	Little or unclear analysis or meaning making. Analysis indicates thinking and reasoning applied with original thought on a few ideas related to Evaluation of Distributed Computing Solution in Business Setting	Some analysis and meaning making. Critical thinking is weaved into points. Analysis indicates original thinking and develops ideas with sufficient and firm evidence related to Evaluation of Distributed Computing Solution in Business Setting	Comprehensive analysis and meaning making. Reveals high degree of critical thinking. Analysis indicates synthesis of ideas, in-depth analysis and evidence original thought and support for the topic related to Evaluation of Distributed Computing Solution in Business Setting	
	3. References, Sources &Citation (10%)	Some sources are not accurately documented. Diagrams and illustrations are not accurate OR do not add to the reader's understanding of the topic. Missing or no citation and major flaws on the format.	All sources (information and graphics) are accurately documented, but many are not in the desired format. Some diagrams and illustrations are not accurate OR do not add to the reader's understanding of the topic. Very minimal amount of cited works, with incorrect format.	All sources (information and graphics) are documented, but an adequate amount is not in desired format. Diagrams and illustrations are neat and accurate and sometimes add to the reader's understanding of the topic. Adequate amount cited works, both text and visual, are done in the correct format. Inconsistencies evident	All sources (information and graphics) are accurately documented, but a few are not in the desired format. Diagrams and illustrations are accurate and add to the reader's understanding of the topic. All, both text and visual, are done with minimal errors on the format.	All sources (information and graphics) are accurately documented in the desired format. Diagrams and illustrations are neat, accurate and add to the reader's understanding of the topic. All cited works, both text and visual, are done in the correct format with no errors.	
						Total (100%)	