

ID NO: 0 UNIT CODE AND TITLE: FIT3143 PARALLEL COMPUTING SEM/YEAR: 2/2019 CAMPUS: CLAYTON/MALAYSIA ASSIGNMENT 2 - REPORT (10 MARKS) ASSESSOR: 0 DATE: TIME: PART A: ABSTRACT & INTRODUCTION Rating Awarded by Assessor	STUDENT'S NAME:	0							Ì	
UNIT CODE AND TITLE: FT3143 PARALEL COMPUTING SIM/YEAR: 2/2019 CAMPUS: CLAYTON/MALAYSIA ASSIGNMENT 2 - REPORT (10 MARKS) ASSESSOR: 0 DATE: TIME: TIME: PART A: ABSTRACT & INTRODUCTION Abstract 1 No abstract Weak abstract without any summary of results from the assignment and missing keywords. Introduction Weak introduction with an inadequate overview of the assignment. The objectives, concepts and hypothesis is the method and results for the assignment is presented. The description of Inter-Process Communication is provided with citations. Sprowded with citations. Process Communication is provided with citations. Sprowded with citations. Process Communication is provided with citations. Process Communication is provided with citations. Sprowded with citations. Process Communication is provided with citations. An clear and concrete hypothesis is presented which describes the method applied to implement a simulated distributed wireless sensor network as per the assignment.										
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Abstract										
ASSESSOR: DATE: TIME: PART A: ABSTRACT & INTRODUCTION Totteria Marks O (Unacceptable) 1 (Weak) 2 (Satisfactory) 3 (Good) 4 (Excellent) Rating Awarded by Assessor (1-4) Scaled marks Comme Abstract Abstract No abstract No abstract Weak abstract without any summary of results from the assignment and missing keywords. Weak introduction with an inadequate overview of the assignment. The objectives, concepts and hypothesis. Weak introduction with an inadequate overview of the assignment. The objectives, concepts and hypothesis. Weak introduction with an inadequate overview of the assignment. The objectives, concepts and hypothesis of the assignment is presented. The description of interprocess Communication is provided with clations. An hypothesis of the assignment is presented which describes the method applied to implement a simulated distributed wireless some network as per the assignment as provided with clations. An hypothesis is presented which describes the method applied to implement a simulated distributed wireless some network as per the assignment as persented which describes the method applied to implement a simulated distributed wireless sensor network as per the assignment. The objectives of the assignment as provided with clations. An hypothesis is of the assignment as persented which describes the method applied to implement as simulated distributed wireless sensor network as per the assignment. The objectives of the assignment as persented which describes the method applied to implement as simulated distributed wireless sensor network as per the assignment as person the assignment and the applied to implement as simulated distributed wireless sensor network as per the assignment and the applied to the person the applied to the person the person the person the applied to the person the pe	CAMPUS:	CLAYTON	N/MALAYSIA							
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	Introduction	1	No introduction	an inadequate overview of the assignment objectives, concepts and	assignment. The objectives, concepts and hypothesis of the assignment is presented	the assignment. The objectives of the assignment is presented. The description of Inter Process Communication is provided with citations. An hypothesis is presented which describes the method applied to implement a simulated distributed wireless sensor network as per the assignment	the assignment. The objectives of the assignment is presented. The description of Inter Process Communication is provided with citations. An clear and concrete hypothesis is presented which describes the method applied to implement a simulated distributed wireless sensor network as per the assignment		0	



Technical illustration and description of the PC grid architecture with some proper description of the applied encryption/decryption algorithm with OpenAP and Communication algorithm with OpenAP and Communication algorithm with OpenAP and Communication Comparison of the provided. 3 Not provided. 3 Not provided. 4 (Excellent) 4 (Excellent) 5 (Comments) 6 (Comments) 7 (1-4) 7 (1-4) 7 (1-4) 7 (1-4) 7 (1-4) 7 (1-4) 7 (1-4) 7 (1-4) 7 (1-4) 7 (1-4) 7 (1-4) 7 (1-4) 7 (1-4) 7 (Comments) 7 (1-4) 7 (Comments) 8 (Com		PART B: THEORETICAL ANALYSIS & IPC DESIGN									
description of the iPC architecture used to simulate the distributed wireless sensor network using MPI 1 Not provided. Week illustration and with little or no description of the applied encryption/descryption algorithm with OpenMP 1 Not provided. Week description with obvious discrepancies. No proper citations to the encryption/descryption applied method. 3 Flowchart/pseudo code/Communication Diagrams/Sequence Diagrams describing the IPC egilor thm and/or encryption/decryption algorithm Note: Proper technical diagrams and/or cstyle pseudo code formats must be applied there to be eligible for marks. Mathematical style pseudocode for marks must be applied for for marks. Mathematical style pseudocode is also	Γ	Criteria	Marks	0 (Unacceptable)	1 (Weak)	2 (Satisfactory)	3 (Good)	4 (Excellent)	by Assessor	Scaled marks	Comments
encryption/decryption algorithm with OpenMP 1 Not provided. Not provided. Not provided. Not provided. Not provided. Not provided. Weak description with obvious discrepancies. No proper citation applied method. Shorper citations to the applied method. Shorper citation algorithm. Shorper citation.	1	description of the IPC architecture used to simulate the distributed wireless sensor network	1	Not provided.	with little or no	the IPC grid architecture with some proper description of the	the IPC grid architecture along with a clear description of these	IPC grid architecture along with a clear description of these illustrations. Compelling arguments are presented to justify the selected IPC architecture with comparisons to published		0	
code/Communication Diagrams/Sequence Diagrams describing the IPC algorithm and/or encryption/decryption algorithm Note: Proper technical diagrams and/or C style pseudo code formats must be applied here to be eligible for marks. Mathematical style pseudocode is also Not provided. Measonable diagrams/pseudo code which captures in-depth the IPC algorithm and/or encryption/decryption algorithms but with small amounts of errors in the diagram Detailed diagrams/pseudo code which captures in-depth the IPC algorithm and/or encryption/decryption algorithms and with minimal diagram errors. Some explanation of these diagrams are mentioned in the report. Detailed diagrams/pseudo code which captures in-depth the IPC algorithm and/or encryption/decryption algorithms and with no diagram errors. Some explanation of these diagrams are mentioned in the report.	2	encryption/decryption	1	Not provided.	obvious discrepancies. No proper citations to the	using some basic encryption/descryption	well defined or standardized encryption/descryption algorithm. Proper citation made to the source of the encryption/decryption	using well defined or standardized encryption/descryption algorithm. Proper citation made to the source of the encryption/decryption algorithm. Includes compelling arguments justifying the selected		0	
of pseudocode will be accepted.	3	code/Communication Diagrams/Sequence Diagrams describing the IPC algorithm and/or encryption/decryption algorithm Note: Proper technical diagrams and/or C style pseudo code formats must be applied here to be eligible for marks. Mathematical style pseudocode is also accepted. No other forms of pseudocode will be	2	Not provided.	code with noticeable amounts of diagram	diagrams/pseudo code which captures the essence of the IPC algorithm and/or encryption/decryption algorithms but with small amounts of errors in the	diagrams/pseudo code which captures in-depth the IPC algorithm and/or encryption/decryption algorithms and with minimal diagram errors. Some explanation of these diagrams are	Thorough diagrams/pseudo code which captures in-depth the IPC algorithm and/or encryption/decryption algorithms and with no diagram errors. Proper explanation of these diagrams are mentioned		0	



Criteria Results tabulation and/or illustration		0 (Unacceptable)	1 (Weak)	2 (Satisfactory)	3 (Good) Tabulated results which	4 (Excellent) Tabulated results which indicates details of the applied simulation	Rating Awarded by Assessor (1 - 4)	Scaled marks	Comments
· ·					Tabulated results which	indicates details of the			
	1	Not provided (system not working).	Little or no results to tabulate	Tabulated results which indicates details of the applied simulation scenario, which includes number of attempted runs, number of reported messages and a summary of events generated.	indicates details of the applied simulation scenario, which includes number of attempted runs, number of reported messages and a summary of events generated. Includes screen shots of message logs before and after encryption and speed up analysis using OpenMP.	scenario, which includes number of attempted runs, number of reported messages, and a summary of events generated. Includes screen shots of message logs before and after encryption and speed up analysis using OpenMP. Additional charts are included to illustrate the number of triggered events over a period of time.		0	
Results observation and discussion	2	Not provided.	Limited explanation on the results. The derived inference is not compared against the proposed hypothesis.	Explanation covers results with some basic observation. The derived inference is compared against the proposed hypothesis.	Explanation covers results with a good amount of observation. The derived inference is compared against the proposed hypothesis. Includes analysis into communication time between nodes and the base station based on the exchanged messages, known issues and possible causes of these known issues.	Explanation covers results with a thorough amount of observation. The derived inference is compared against the proposed hypothesis. Includes analysis into communication time between nodes and the base station based on the exchanged messages, known issues and possible causes of these known issues.		0	



	PART D: CONCLUSION									
	Criteria	Marks	0 (Unacceptable)	1 (Weak)	2 (Satisfactory)	3 (Good)	4 (Excellent)	Rating Awarded by Assessor (1 - 4)	Scaled marks	Comments
	Concluding remarks and future work	1	Not provided.	I oncluding paragraph is	Concluding paragraph follows and summarizes the report discussion and draws a conclusion.	Concluding paragraph summarizes and draws a clear conclusion and enhances the impact of the report. Includes a	Concluding paragraph summarizes and draws a clear, effective conclusion and enhances the impact of the report. Includes more than one valid future work.		0	
b-To	otal (1 mark)							0		



	PART E: PENALTIES									
	Criteria	Penalty Marks	0 (Unacceptable)	1 (Weak)	2 (Satisfactory)	3 (Good)	4 (Excellent)	Rating Awarded by Assessor (1 - 4)	Scaled Penalty marks	Comments
1	Grammar	2	Report not submitted	Writing exhibits a less than minimal command of the English language skills	Writing exhibits a minimal command of the English language skills	Writing exhibits an adequate command of language skills	Writing exhibits a good command of the English language skills	4	0	
2	Reference section	1	No reference section	Reference section is present but references are not properly formatted in an appropriate citation format (IEEE or APA).			Reference section is present and references are properly formatted in an appropriate citation format (IEEE or APA).	4	0	
3	Report Plagiarism	10	> 60% similarity identified with another student's report or an external source without proper citation.	Between 40% and 60% in content similarity is identified with another student's report or an external source without proper citation.	Between 20% and 40% in content similarity is identified with another student's report or an external source without proper citation.	Between 10% and 20% in content similarity is identified with another student's report or an external source without proper citation.	< 10% in content similarity is identified with another student's report or an external source without proper citation.	4	0	
4	Late Submission	1 mark per day					Specify number of days in the next column ==>	0	0	
b-T	otal Penalty							•	0	

Total before penalty (10 marks):
Total after penalty (10 marks):

0.00

Total, DEMO+QA & Report (20 marks):

0.00