FACULTY OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY, UNIVERSITY OF MALAYA
WIA3002/WIB3002/WXET3111/WXES3183: ACADEMIC PROJECT I/SYSTEM DEVELOPMENT I VIVA ASSESSMENT FORM (PANEL)

A. Details

Project Title:	
Name:	
Matric No.:	
Supervisor:	

B. Evaluation Rating Scale

None	Does Not Meet Expectations		Meets Expectations		Exceeds Expectations
0	1	2	3	4	5

Technical Evaluation (40%)							
No	Weightage	Dimension	Scale				
1.	3%	Literature Review	0	1	2	3	4	5
2.	2%	Problem Statement	0	1	2	3	4	5
3.	2%	Objectives	0	1	2	3	4	5
4.	3%	Methodology/Technique/Approach	0	1	2	3	4	5
5.	10%	Analysis & Design	0	1	2	3	4	5
6.	5%	Requirements (Project/Module)	0	1	2	3	4	5
7.	20%	Technical Implementation	0	1	2	3	4	5
8.	5%	Stakeholder Collaboration Initiative	0	1	2	3	4	5
Soft skills Evaluation (10%)							
9.	5%	Presentation skills	0	1	2	3	4	5
10.	5%	Problem Solving skills (Q&A)	0	1	2	3	4	5

Note: For each evaluation = x/5(weightage)*

C. Other Comments / Suggestions

D. Panel

Name:	
Signature:	
Date:	

FACULTY OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY, UNIVERSITY OF MALAYA
WIA3002/WIB3002/WXET3111/WXES3183: ACADEMIC PROJECT I/SYSTEM DEVELOPMENT I

PANEL MONITORING ASSESSMENT RUBRIC (TECHNICAL)

On a scale from 1 (lowest performance) to 5 (highest performance), assign points to each dimension based on the criteria below.

No.	Technical (Weightage)	Nothing (0 points)	Does Not Meet Expectation (1-2 points)	Meets Expectations (3-4 points)	Exceeds Expectations (5 points)
1.	**Literature Review**	Missing/ Not presented	Provide **insufficient** review on: ● Proceedings/journals articles which are related to the topics. **AND;** ● Existing products/systems comparison. **OR;** ● Review on related applicable theories/methods/ frameworks/models **OR;** ● Review on related applicable algorithms	Provide **moderate** review on: ● Proceedings/journals articles which are related to the topics. **AND** ● Existing products/systems comparison. **OR;** ● Review on related applicable theories/methods/ frameworks/models **OR;** ● Review on related applicable algorithms	Provide **sufficient** review on: ● Proceedings/journals articles which are related to the topics. **AND;** ● Existing products/systems comparison. **OR;** ● Review on related applicable theories/methods/ frameworks/models **OR;** ● Review on related applicable algorithms
2.	**Problem Statement**	Problem statement is missing/ not presented.	The stated problem statement is vague and there is no specific contextual detail explaining why it is important to the stakeholder.	The stated problem statement is clear but requires more specific contextual detail explaining why it is important to the stakeholder.	The stated problem statement is clear with specific contextual detail explaining why it is important to the stakeholder.

3.	**Project Objectives**	Project objectives are missing / not presented.	The objectives are not specific and not relevant to the stated problem statement. There is no indication that the objectives are measurable, or the objectives may not be achievable within the timeframe of final year project	The objectives are specific and relevant to the stated problem statement. There is no indication that the objectives are measurable, or the objectives may not be achievable within the timeframe of final year project.	The objectives are specific and relevant to the stated problem statement. The objectives are measurable and achievable within the timeframe of final year project.
4.	**Methodology/ technique/ approach**	Methodology / approach is missing / not presented	The proposed methodology states some data collection, data analysis, software development, and software testing/evaluation approaches to guide the conduct of final year project.	The proposed methodology states data collection, data analysis, software development, and software testing/evaluation approaches that require more specific details, on how it can be followed to enable achievement of objectives within the timeframe of final year project.	The proposed methodology clearly states comprehensive data collection, data analysis, software development, and software testing/evaluation approaches that can be followed to enable achievement of objectives within the timeframe of final year project.
5.	**Analysis & Design** Note: The choice of analysis & design techniques and representations (notations/diagrams/template/format) depend on the choice of design	Missing/ Not presented	Note: FRs, NFRs and System Requirements will be evaluated under "Requirements (Project/Module)" criteria. **Poor** analysis and design which include the followings, with NO justification given for any part that is not included:	Note: FRs, NFRs and System Requirements will be evaluated under "Requirements (Project/Module)" criteria. **Moderate** analysis and design which include SOME relevant models from the followings, with SOME justification given for any part that is not included:	Note: FRs, NFRs and System Requirements will be evaluated under "Requirements (Project/Module)" criteria. **Excellent** analysis and design which include ALL relevant models from the followings, with STRONG justification given for any part that is not included:

method(s) applied. Some techniques (such as use case analysis, hierarchical task analysis) and representations (such as use case description using certain template, and ERD) can be used irrespective of the specific analysis and design approach applied.		1. Applying UNSUITABLE analysis and design method/methodology/approach (such as structured approach, object-oriented approach) and NO justifications for choosing the respective one(s). 2. Comprising relevant models below and/or collectively they DO NOT COVER MANY of the critical features of the proposed system and/or these models HAVE SERIOUS FLAWS. a) User Requirements (e.g., use case and use case description) b) Structural model c) Process/Behavioral Model d) Data Model e) User Interface Design (storyboard or prototype) f) Architecture Design that shows the overall organization/structure of the system in 3 different views, which are: i) logical/static view (mandatory), ii) dynamic view (for important portions of the system especially the parts that are replicated and also the parts that can run in	1. Applying suitable analysis and design method/methodology/approach (such as structured approach, object-oriented approach) with justifications for choosing the respective one(s). 2. Comprising relevant models below and collectively they cover MOST of the critical features of the proposed system and these models MIGHT HAVE SOME FLAWS. a) User Requirements (e.g., use case and use case description) b) Structural model c) Process/Behavioral Model d) Data Model e) User Interface Design (storyboard or prototype) f) Architecture Design that shows the overall organization/structure of the system in 3 different views, which are: i) logical/static view (mandatory), ii) dynamic view (for important portions of the system especially the parts that are replicated and also	1. Applying suitable analysis and design method/methodology/approach (such as structured approach, object-oriented approach) with justifications for choosing the respective one(s). 2. Comprising relevant models below and collectively they cover ALL the critical features of the proposed system and these models have MINOR or NO FLAWS. a) User Requirements (e.g., use case and use case description) b) Structural model c) Process/Behavioral Model d) Data Model e) User Interface Design (storyboard or prototype) f) Architecture Design that shows the overall organization/structure of the system in 3 different views, which are: i) logical/static view (mandatory), ii) dynamic view (for important portions of the system especially the parts that are replicated and also the parts that can run in

#	Criteria				
			parallel), and iii) deployment view (mandatory); g) Program Design (e.g., proposed algorithm) h) Hardware and software specifications (for hosting/supporting the proposed system); 3. The analysis/design is backed up by related theory (if applicable).	the parts that can run in parallel), and iii) deployment view (mandatory); g) Program Design (e.g., proposed algorithm) h) Hardware and software specifications (for hosting/supporting the proposed system); 3. The analysis/design is backed up by related theory (if applicable).	parallel), and iii) deployment view (mandatory); g) Program Design (e.g., proposed algorithm) h) Hardware and software specifications (for hosting/supporting the proposed system); 3. The analysis/design is backed up by related theory (if applicable).
6.	**Requirements (Project/Module)**	Missing/ Not presented	Provides **insufficient** functional and non-functional requirements, as such: ● Incorrectly labeled functional and non-functional requirements. **AND/OR;** ● Most requirements are unclear. **AND/OR;** ● The requirements do not cover many critical parts of the system/proposed solution. **AND/OR;** ● The requirements are not relevant and justified.	Provides **adequate** functional and non-functional requirements, as such: ● Correctly labeled functional and non-functional requirements. **AND/OR;** ● Most requirements are clear. **AND/OR;** ● The requirements cover most critical parts of the system/proposed solution but may leave out a few non-critical aspects. **AND/OR;** ● The requirements are relevant and generally justified.	Provides **sufficient** functional and non-functional requirements, as such: ● Correctly labeled functional and non-functional requirements. **AND/OR;** ● All requirements are clear. **AND/OR;** ● Provide the source of requirements and reference the use cases. **AND/OR;** ● The requirements cover all critical parts of the system/proposed solution. **AND/OR;**

					● The requirements are relevant and specifically justified.
7.	**Technical Implementation**	Missing/ Not presented	**Poor** technical implementation outline, as such: ● Provides less than two (2) working core modules (excludes access control and registration). **AND/OR;** ● Fails to identify and provides insufficient explanation of required tools/sources.	**Moderate** technical implementation outline, as such: ● Provides minimum two (2) working core modules (excludes access control and registration). **AND/OR;** ● Generally able to identify and provide explanation of required tools/sources.	**Excellent** technical implementation outline, as such: ● Provides more than two (2) working core modules (excludes access control and registration). **AND/OR;** ● Able to identify and provide thorough, specific, and clear justification of required tools/sources.
8.	**Stakeholder Collaboration Initiative**	Missing/ Not presented / No collaboration initiative	**Poor** collaboration initiative, as such: ● Fails to conduct any collaboration activity in the logbook. **AND/OR;** ● Initiation has been done without formal collaboration with industry/government agency/statutory body and/or equivalent stakeholders.	**Moderate** collaboration initiative, as such: ● Able to conduct at least once collaboration activity in the logbook. **AND/OR;** ● Formal collaboration has been done with supporting document(s), i.e., NDA, LOI, Business Plan, Project plan, Industrial Internship, etc.	**Excellent** collaboration initiative, as such: ● Able to conduct at least once collaboration activity in the logbook. **AND/OR;** ● Formal collaboration **and** continuous execution has been done with supporting document(s), i.e., NDA, LOI, Business Plan, Project plan, Industrial Internship, etc.
	Total score (50 points):				
	Total Percentage (50%):				

PANEL MONITORING ASSESSMENT RUBRIC (SOFT SKILLS)

On a scale from 1 (lowest performance) to 5 (highest performance), assign points to each dimension based on the criteria below.

No.	Soft skills (Weightage)	Nothing (0 points)	Does Not Meet Expectation (1-2 points)	Meets Expectations (3-4 points)	Exceeds Expectations (5 points)
1.	**Presentation skills**	Did not attend / Not Applicable	**Poor** presentation skills, as such: ● Presentation is inorganized and panels have to make considerable effort to understand the flow of ideas. **AND/OR;** ● Pronunciation is mostly correct yet enunciation and articulation are still tentative. **AND/OR;** ● Candidate recovers from awkward pauses and proceeds. **AND/OR;** ● Vocalized fillers are noticeable but not excessive. **AND/OR;** ● Poor non-verbal skills - confidence, posture and eye contact.	**Moderate** presentation skills, as such: ● Presentation is organized with a logical flow of ideas and generally allows easy understanding. **AND/OR;** ● Careful pronunciation supports coherence of presentation. Enunciation and articulation of words are mostly clear. **AND/OR;** ● Pauses were momentary and did not interrupt fluency of speech. **AND/OR;** ● Vocalized fillers are minimal and do not distract the panels. **AND/OR;** ● Moderate non-verbal skills - confidence, posture and eye	**Excellent** presentation skills, as such: ● Presentation is well-organized with a logical flow of ideas and allows in-depth understanding. **AND/OR;** ● Correct pronunciation, confident enunciation and good articulation supports coherence of presentation. **AND/OR;** ● Pauses are purposeful and enhance fluency of speech. **AND/OR;** ● Minimal vocalized fillers are noticeable. **AND/OR;** ● Excellent non-verbal skills - confidence, posture and eye contact.

2.	Problem Solving skills (Q&A)	Did not attend / Not Applicable	contact.		
			Demonstrate **poor** problem solving, as such - Does not anticipate questions from panels. **AND/OR;** - Does not understand and fails to answer questions from panels. **AND/OR;** - Does not make an effort to address concerns and issues. **AND/OR;** - Fails to respectfully answer the questions from panels. **AND/OR;** - Often responds poorly to answer questions.	Demonstrate **moderate** problem solving, as such - Anticipate questions from panels moderately. **AND/OR;** - Able to understand and answer some questions from panels. **AND/OR;** - Make an effort to address concerns and issues. **AND/OR;** - Respectfully answer most questions from panels. **AND/OR;** - Responds moderately to answer questions.	Demonstrate **excellent** problem solving, as such - Anticipate questions from panels with confidence. **AND/OR;** - Able to understand and answer all questions from panels. **AND/OR;** - Can integrate knowledge and experience to answer questions. **AND/OR;** - Respectfully answer all questions from panels. **AND/OR;** - Responds excellently to answer questions.
	Total score (10 points):				
	Total Percentage (10%):				