

## CAT 404 – Software Engineering

### 3.3 (a) Rubric – System Demonstration (20%)

Criteria	Weight	Excellent A/A-	Good B+/B/B-	Fair C+/C/C-	Poor Minimal or No Control D+/D/D-/F
<b>PLO2 - Display efficiency in designing a system, analyzing algorithms (CLO1)</b>					
Originality	20%	Excellent demonstration of system components that are well-integrated with correct approach and result.	Fair demonstration of SE components and well-integrated into the system with correct approach and result.	Weak demonstration of SE components and partially integrated into the system with correct approach and result.	Very poor or unable to demonstrate SE components and can not to integrate them into the system with the correct approach and output.
Overall System Functionality	30%	1. The system functionality works very well for all modules with no errors. 2. The system was successfully deployed.	1. The system functionality works well for the majority of modules with no errors. 2. System ready to be deployed.	1. The system functionality works well for half modules with no errors. 2. System needs major improvement before deployment.	1. The system functionality does not work well. 2. No system deployment.
<b>PLO3 - Apply programming method and research/algorithm to develop systems.</b>					
Subject knowledge related to Software Engineering approaches	40%	The student has shown full knowledge of both problem and solution. Excellently answers to questions are strengthened by rationalization and explanation.	The student has shown some knowledge of both problem and solution. Fairly answers to questions with appropriate rationalization and explanation.	The student has shown partial knowledge of both problem and solution. Weakly answers to questions with some explanation.	The student has shown poor/ no knowledge of both problem and solution. Poorly answers to questions with/ without explanation.
Usability	10%	The system interface is user friendly and easy to use in solving the problem.	The system interface is partially user friendly and easy to use in solving the problem.	The system interface is somehow user friendly and difficult to use in solving the problem.	The system interface is not user friendly and cannot be used in solving the problem

### 3.3 (b) Rubric - Entrepreneurship (10%)

Criteria	Weight	Excellent A/A-	Good B+/B/B-	Fair C+/C/C-	Poor Minimal or No Control D+/D/D-/F
<b>PLO8 - Initiate a project with high potential for marketing</b>					
Entrepreneurship Opportunity	100%	The project is ready to be extended for pre-commercialization	The project is ready to be extended for pre-commercialization, but it needs minor improvement	The project is ready to be extended for pre-commercialization, but it requires major improvement	The project is not ready to be extended for pre-commercialization

\* Commercialization is the process of bringing new products or services to market. The broader act of commercialization entails production, distribution, marketing, sales, customer support, and other key functions critical to achieving the commercial success of the new product or service.

### 3.3 (c) Rubric - Work Ethics (10%)

Criteria	Weight	Excellent A/A-	Moderate B+/B/B-	Fair C+/C/C-	Poor D+/D/D-/F
<b>CLO4 (PLO6) - Work the project tasks with high ethical standard.</b>					
Work Responsibility	30%	Perform assigned tasks beyond the scope of work and beyond expectation	Perform assigned tasks within by the scope of work and meets expectation	Perform assigned tasks within by the scope of work with close supervision	Does not perform assigned tasks within by the scope of work even with close supervision
Work Ethics	40%	Always practice excellent working culture such as good moral, timeliness as well as being efficient, productive and ethical at work in all situations	Practice good working culture such as good moral, timeliness as well as being efficient, productive and ethical at work in most situations	Practice less appropriate working culture such as inconsistent behavior, less punctuality as well as being less efficient, productive and ethical at work in many situations	Practice inappropriate working culture such as bad behavior, no punctuality as well as not being efficient, productive and ethical at work in all situations
Integrity	30%	Always perform a task with trust, honesty, sincerity and transparent in any situation	Perform a task with trust, honesty, sincerity and transparent in most situations	Perform a task with limited trust, honesty, sincerity and transparency	Perform a task with lack of trust, honesty, sincerity and transparency