

1.1 CAT 404 – Software Engineering (Rubric): Analysis & Design Report (10%)

Criteria	Weight	Excellent A/A-	Good B+/B/B-	Fair C+/C/C-	Poor Minimal or No Control D+/D/D-/F
PLO3 - Apply programming /research methods to evaluate system algorithm or protocols. (CLO2)					
Contents	80%	<ol style="list-style-type: none"> 1. Excellent in describing a problem statement and motivation with proper references. 2. Excellent elaboration of system objectives, scope and potential users. 3. Excellent description of a solution using SE method/process/approach. 4. Clearly compare similar or existing System/solution and existing method/technique/algorithm. 5. Very clear demonstrate overall modules and system architecture of a proposed project. 6. Excellent in showing the planning (e.g., Gantt Chart). 7. Excellently written the report that fulfils the grammar rules and can deliver the correct meaning. 8. Excellently follow the analysis & designreport format. The tables and figures have the proper captions 9. Excellently written citations and references with a proper format. 	<ol style="list-style-type: none"> 1. Fairly describe a problem statement and motivation with references. 2. Fairly elaborate of the system objectives, scope and potential users. 3. Fair description of a solution using SE method/process/approach. 4. Fairly state similar or existing system/solution and existing method/technique/algorithm 5. Fairly demonstrate overall modules and system architecture. 6. Fairly show the planning (e.g., Gantt Chart). 7. Moderately written the report that fulfils the grammar rules and can deliver the correct meaning. 8. Follow the analysis and design report format. The tables and figures have the proper captions. 9. Adequately written citations and references. 	<ol style="list-style-type: none"> 1. Weak in expressing a problem statement and motivation. 2. Weak in elaboration of the system objectives, scope and potential users. 3. Weak description of a solution using SE method/process/approach. 4. Not clear stated similar or existing system/solution and existing method/technique/algorithm 5. Week in demonstrating overall modules and system architecture. 6. Weak in showing the planning (e.g., Gantt Chart). 7. Fairly written report that fulfilsthe grammar rules and can deliver the correct meaning that impairsthe flow of communication. 8. Format of analysis & design report can be improved. Tables and figures can be improved. 9. Citations and references are given occasionally. 	<ol style="list-style-type: none"> 1. Very weak in expressing a problem statement and motivation. 2. Very weak in elaborating the system objectives and scope 3. Very Weak in describing a proposed solution to a problem. 4. Very weak stated similar or existing system/solution and existing method/technique/algorithm 5. Very weak / not demonstrating overall modules. 6. Not showing the planning (e.g., Gantt Chart). 7. Poorly written the report and not fulfil the grammar rules and is unable to deliver the correct meaning that impairs the flow of communication. 8. Not follow the analysis & design report format. Tables, figures, and references are incomplete and incorrect. 9. Citations and references poorly written.

PLO7 - Relate existing literatures with new ideas in conducting the project (CLO5)					
Organisation Skill	10%	<ol style="list-style-type: none"> 1. The report is excellently organized and contains all the required related background study, existing solutions, and the proposed solution. 2. The report is excellently arranged in the logical order from the introduction until references section. 	<ol style="list-style-type: none"> 1. The report is fairly organized and contains the required related background study, existing solutions, and the proposed solution. 2. The report is fairly arranged in the logical order from the introduction until references section. 	<ol style="list-style-type: none"> 1. The report is weakly organized and contains partial required related background study, existing solutions, and the proposed solution. 2. The report is weakly arranged in some logical order from the introduction until references section. 	<ol style="list-style-type: none"> 1. The report is poorly organized and contains incomplete required related background study, existing solutions, and the proposed solution. 2. The report is poorly arranged in some order from the introduction until references section.
Ability to relate to the SDG Alignment	10%	The problem addressed to be solvedexcellently meets any of the SDG	The problem addressed to be solvedmeets the SDG	The problem addressed to be solvedoccasionally meet the SDG	The problem addressed to be solveddoes not meet the SDG