Assessment Task: Final Project (Phase 1 / 2 / Final Presentation)

Course Intended Learning Outcomes	Assessment Indicators	Proficiency Level				
		Poor (D – 1)	**Average (C – 2)**	**Good (B – 3)**	**Excellent (A – 4)**	**Mark**
1. Analyze a problem, identify and define the computing requirements appropriate to its solution.						
	1.1 Specifications	*The program is producing incorrect results.*	*The program produces correct results but does not display them correctly.*	*The program works and produces the correct results and displays them correctly. It also meets most of the other specifications.*	*The program works and meets all of the specifications.*	
	1.2 Readability	*The code is poorly organized and very difficult to read.*	*The code is readable only by someone who knows what it is supposed to be doing.*	*The code is fairly easy to read.*	*The code is exceptionally well organized and very easy to follow.*	
2. Design and develop an app for the Android mobile computing platform that addresses a social or educational need or business opportunity.						
	2.1 Efficiency	*The code is huge and appears to be patched together.*	*The code is brute force and unnecessarily long.*	*The code is fairly easy to read.*	*The code is exceptionally well organized and very easy to follow.*	
	2.2 Reusability	*The code is not organized for reusability.*	*Some parts of the code could be reused in other programs.*	*Most of the code could be reused in other programs.*	*The code could be reused as a whole or each routine could be reused.*	
3. Apply current techniques,						

skills, and tools creatively to produce innovative mobile application.						
	4.1Internal Documentation	*The documentation is simply comments embedded in the code and does not help the reader understand the code.*	*The documentation is simply comments embedded in the code with some simple header comments separating routines.*	*The documentation consists of embedded comment and some simple header documentation that is somewhat useful in understanding the code.*	*The documentation is well written and clearly explains what the code is accomplishing and how.*	
	4.2External Documentation	*Incomplete; Unorganized;*	*Incomplete instruction on use;* *Not easy to find materials*	*Proficient, readable, clear, succinct;* *complete; useable; referenced;*	*Fully, exceptional*	
4. Demonstrate effective team work to accomplish a common goal.						
	5.1 Application	*No integration of lecture concepts; Doesn't correlate lecture concepts to project*	*Simplistic use of data structures and algorithms; Limited integration of lecture concepts*	*Integrates concepts from lecture sessions; Uses effective judgment in selection of data structures and algorithms*	*Optimal selection of data structures and algorithms; creative adaption of data structures and algorihms*	
					Total Marks	

Assessment Task: Class Participation (Github peer review)

Course Intended Learning Outcomes	Assessment Indicators	Proficiency Level				
		Poor (D – 1)	**Average (C – 2)**	**Good (B – 3)**	**Excellent (A – 4)**	**Mark**
1. Analyze a problem, identify and define the computing requirements appropriate to its solution. 2. Design and develop an app for the Android mobile computing platform that addresses a social or educational need or business opportunity. 3. Apply current techniques, skills, and tools creatively to produce innovative mobile application. 4. Demonstrate effective team work to accomplish a common goal.						
	Peer review activity	*No actvity during peer review period*	*Reviews are made in some peer review period but on some other period no reviews are made*	*Reviews are made for the initial push in the peer review period*	*Reviews are in-depth and also provides follow-up review after an update*	
	Peer review quality	*Reviews are wrong*	*Simplistic review of peer's code; variable naming, typos, styling fixes*	*Substantial comments that enhances code quality; Use concepts from lecture sessions, provide good insights to possible bug*	*Significant enhancements suggested by the students; Provide potential overhaul of the code for better performance (Better Data structure) or reusability*	
					Total Marks	