CS 816 - Software Production Engineering
Final Project - Evaluation Criteria

Total Grade: 30 Marks

NOTE: (*) represents mandatory items for grading the rest of the sections, failing which leads to deduction of marks based on discretion of evaluator.

Section-1: Code & Completion (5 Marks)		
1	Final Report*	LMS Submission
2	Code*	Project Structure, Documentation, README etc.,
3	Working*	Application Functionality End-to-End App working
Section-2: Presentation (5 Marks)		
1	Demo*	Presentation to the evaluator at the scheduled slot (typically of 30 mins.)
2	Viva Voce*	
Section-3: Devops Pipeline (20 Marks) **(NOTE: End-to-End pipeline working is mandatory for this section. In case of failure / pipeline breakout forces us to deduct 1 to 5 Marks)**		
1	Artifact (2 Marks)	Version Control Build, Package
2	Testing (2 Marks)	Error, Exception Handling
3	Containerization (3 Marks)	Ex: Docker
4	Deployment (3 Marks)	Ex: Ansible, Kubernetes
5	Container Orchestration (5 Marks)	Ex: Docker Compose, Kubernetes
6	Monitoring & Logging (3 Marks)	Ex: ELK Stack
7	Miscellaneous (2 Marks)	Pipeline, Data persistency & Recovery, Application security, Availability, Load Balancing, Security, Performance, Special features if any.

Regards,
SPE Team.