**Short Written Assessment**

**103 Integrated Studio I**

**25%**

**Gursimran Singh**

**270689019**

**Task 1.1: Agile Project Management Methodology (20%)**

***Why Agile methodology is appropriate for software development:***

**Flexibility and Adaptability:** *Agile refers to project in this you can adjust your requirement and feedback in ongoing project. It’s perfect when the customer’s demand frequently changes.*

**Customer Collaboration:** *Agile focuses on good communication with customer and stakeholder, so that the final project can easily solve the actual problem.*

**Incremental Delivery:** *Agile delivers working software in tiny parts and in manageable increments. It provides feedbacks as faster as possible and gives benefit to the user.*

**Improved Quality:** *Agile provides testing, integration and reviews at every step, in which the problems are easily catchable and the end product is much clean and stable.*

**Enhanced Teamwork and Ownership:** *Agile promotes managing its team own their own with all clear roles. All team works together from which all the process run with smoothness.*

**Task 1.2: Stages of Agile Software Development (40%)**

**Concept / Requirements Gathering*:*** *In this stage, the team discusses product vision with customers and shareholders and try to collect requirements to create a backlog product.*

**Sprint Planning:** *In each and every short work period, team collect important tasks from backlog and decide what to deliver and when.*

**Development / Iteration Execution:** *Developers, designers and testers work together to make selected features in selected software. Coding, testing and refining happens in parallel.*

**Testing and Review:** *After development, features are tested and demonstrated to the customer and stakeholder for feedback. Changes are made by on their input.*

**Sprint Retrospective:** *The team discusses that what should be good and what should be wrong and agile shows how does sprint process and how does it improves teamwork.*

**Task 1.3: Roles and Responsibilities in Agile (40%)**

**Product Owner:** *It decides that what to build and why, it helps to manage backlog, features and ensures the team focuses on important high-value projects.*

**Scrum Master:** *Team helps to remove the roadblocks. Agile try to follow rules and make the process smoother.*

**Development Team:** *Developers, designers and testers work together to make a software. It makes their own plan and it delivers working features in each and every sprint.*

**Stakeholders:** *Business leaders, clients who provide feedback, clear requirements and ensure project aligns with good business goals. They after testing demo, its provide the information is in right direction or not.*

**UX Designer:** *It ensures that the product is easy to use, good looking, and it helps in solving user’s actual problems.*