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Neighborhood Watch Incident System SDLC Model and 16-Weeks Gantt Chart

Software Development Life Cycle (SDLC) Model

Model Adopted: Agile Methodology

We chose Agile Methodology because the Neighborhood Watch Incident System requires continuous collaboration with community members, barangay officials, and law enforcement. Agile allows the system to be developed in iterative sprints, enabling quick feedback, rapid bug fixing, and adjustments to meet user needs.

- Flexibility – Supports feature changes such as SMS alerts, geospatial mapping, or anonymous reporting.
- Collaboration – Continuous interaction ensures the system addresses real community safety challenges.
- Faster Delivery – Working features are delivered incrementally for early testing.
- Risk Reduction – Sprint reviews detect issues early, reducing chances of failure.

