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| Course Code | ITCD 103 | Section |  |
| Course Details | Software Development for Enterprise Systems | Date |  |
| Names |  | Hands-On Laboratory | |

**Prelim Case Study**

**Hands-on Laboratory**

**Objective:** This exercise will explore the various software development methodologies and their suitability for building a CRM system.

1. Identify and analyze different software development methodologies for a CRM project.
2. Evaluate the strengths and weaknesses of each methodology in the context of CRM development.
3. Recommend the most suitable methodology based on specific project requirements.

**Materials:**

* Whiteboard or flipchart
* Markers or pens
* Sticky notes
* Choose software development methodologies (e.g., Agile, Waterfall, Spiral, Kanban, Scrum)
* Case study outlining the specific requirements of your CRM project (including budget, timeline, team size, risk tolerance, etc.)

**Tasks:**

1. **Introduce the exercise:** Briefly explain the objective and materials needed.
2. **Methodology brainstorming:** Brainstorm a list of potential software development methodologies for a CRM project. You can use the provided list as a starting point, but don't limit yourselves to it.
3. **Methodology analysis:** For each methodology identified:
   * **Research:** Briefly research the key principles, strengths, and weaknesses of each methodology.
   * **Discussion:** Discuss how well each methodology aligns with the specific requirements of your CRM project case study. Consider factors such as:
     + **Project scope and complexity:** How flexible is the methodology in accommodating changing requirements?
     + **Team structure and skills:** Does the methodology require specific team structures or expertise?
     + **Timeline and budget constraints:** How well does the methodology fit the project timeframe and budget?
     + **Risk management:** Does the methodology provide adequate risk mitigation strategies?
4. **Recommendation:** Based on your analysis and discussion, each group should select the most suitable software development methodology for the CRM project, justifying their decision.

**Conclusion**

**Print Screen the Visual Representaion:**