

# Tecnologías de la información



**Asignatura:** Metodologías de Desarrollo de Software

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**Grupo:** TIDBIS22M

**Lugar y fecha:** Chihuahua, Chih. a 9 de Agosto de 2023

	Operation	Main Characteristics	Advantages	Disadvantages
Traditional methodology	<p>Linear sequential approach where each phase is completed before the next begins</p>	<ul style="list-style-type: none"> <li>- Well-defined and structured processes.</li> <li>- Emphasis on extensive planning and documentation</li> <li>- Sequential phases (Requirements, design, development, testing, deployment).</li> <li>- Changes are costly due to rigid structure.</li> </ul>	<ul style="list-style-type: none"> <li>- Predictable timeline and outcomes.</li> <li>- Comprehensive documentation for reference</li> <li>- Suitable for large projects with stable requirements</li> </ul>	<ul style="list-style-type: none"> <li>- Limited adaptability to changes.</li> <li>- Long time between requirements and final delivery</li> <li>- Rigid structure can hinder creativity.</li> </ul>
Agile Methodology	<p>Iterative and incremental approach with flexibility to revisit and adjust at each iteration</p>	<p>Flexibility to adapt to changing requirements</p> <p>Emphasis on collaboration and communication.</p> <p>Welcomes changes even late in the development process</p>	<p>Responds well to changing requirements.</p> <p>Frequent communication enhances client satisfaction.</p> <p>Ideal for projects with evolving or uncertain needs</p>	<ul style="list-style-type: none"> <li>- Requires active client involvement throughout the process.</li> <li>May be challenging for large teams or complex projects.</li> <li>Less comprehensive documentation</li> </ul>