**BA/DA TRAINING**

**Assignment – 4(July10,2019)**

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1. **When do we call SDLC and When do we call System Dev life cycle?**

**Ans:- SDLC -** SDLC consists of a detailed plan which explains how to plan, build, and maintain specific software. Every phase of the SDLC lifecycle has its own process and deliverables that feed into the next phase. when we apply SDLC that we have to be aware that the new functional and nonfunctional requirements are properly integrated with the existing process.

* The SDLC is a systematic process for building software that ensures the quality and correctness of the software built
* SDLC process provides a framework for a standard set of activities and deliverables.
* It is a mechanism for project tracking and control which helps to Increases visibility of project planning to all involved stakeholders of the development process.
* Increased and enhance development speed.
* Helps you to decrease project risk and project management plan overhead and Improved client relations.

**System Dev life cycle** This includes Change Management, training, Organizational updates, also. The systems development life-cycle concept applies to a range of hardware and software configurations, as a system can be composed of hardware only, software only, or a combination of both.

* This process is used to model or provide a framework for technical and non-technical activities to deliver a quality system which meets or exceeds a business’s expectations or manage decision-making progression.
* System Dev life cycle is used during the development of an IT project, it describes the different stages involved in the project from the drawing board, through the completion of the project.
* The SDLC highlights different stages (phrases or steps) of the development process. The life cycle approach is used so users can see and understand what activities are involved within a given step.
* It is also used to let them know that at any time, steps can be repeated, or a previous step can be reworked when needing to modify or improve the system.

 There are usually six stages in this cycle: analysis, design, development and testing, implementation, documentation, and evaluation.

* Phase 1-Requirement collection and analysis
* Phase 2-Feasibility study:
* Phase 3- Design
* Phase 4-Coding
* Phase 5-Testing
* Phase 6 -Installation/Deployment
* Phase 7-Maintenance

**system development** and **software development** are both seem to be same in terms of phases.

1. **What is the difference between SDLC and System Dev life cycle?**

**Ans:- SDLC** is classified as **Software Development life Cycle** –

* Software development life cycle only looks at software components development planning, technical architecture, software quality testing and deployment of working software.
* the meaning of the process gets limited to a certain boundary beyond which it ceases to provide relevance.
* Software Development Life Cycle is a part of System Development Life Cycle.
* Software development life cycle is about building a software (only) in a phased approach systematically.
* Software development life cycle is a limited term that explains the phases of creating a software component that integrates with other software components to create the whole system.

**System Development Life Cycle** –

* System development life cycle involves end-to-end People, process, Software/Technology deployment.
* It is a much broader term and is a larger part of the development phase which includes many other approach and end phases.
* In system development life cycle, System consists of Software and Hardware.
* System development life cycle is about implementing hardware and software in a phased manner systematically.
* System development life cycle is broader than software development life cycle.
* System is a set of interacting and independent components forming an integrated whole.