Lesson Plan

BCA – 125 Structured System Analysis and Design

Teacher name:

April 2021

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| System Concept: Definition, Characteristics, Elements of system, Physical and abstract system, open and closed system, man-made information systems. System Development Life Cycle: Various phases of system development, Considerations for system planning and control for system success. Role of system analyst. |

May 2021

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| System Planning: Bases for planning in system analysis: Dimensions of Planning. Initial Investigation: Determining user’s requirements and analysis, fact finding process and techniques. Tools of structured Analysis: Data Flow diagram, data dictionary, IPO and HIPO charts, Gantt charts, pseudo codes, Flow charts, decision tree, decision tables. Feasibility study: Technical, Operational & Economic Feasibilities. |

June 2021

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| Cost/Benefit Analysis: Data analysis cost and benefit analysis of a system. Input/ Output and Form Design, File Organization and database design: Introduction to files and database, File structures and organization, objectives of database design, logical and physical view of data. UNIT – IV System testing: Introduction, objectives of testing, test planning, testing techniques. Quality assurance: Goal of quality assurance, levels of quality assurance |

July 2021

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| System implementation and software maintenance: primary activities in maintenance, reducing maintenance costs. |