Saraswati Mahila Mahavidyalaya, Palwal

 **Lesson Plan**

**Name of the Assistant/Associate Professor:Komal Taneja**

**Class and Section:Bsc 1st year 2nd semester**

**Name of subject: Structured Systems Analysis and Design**

**Subject Lesson Plan : 18 weeks(from January 2018 to April 2018)**

**(Note: Prepare as per list of holidays declared by Haryana govt.)**

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| **WEEK 1** |
| **ASSIGNMENT:** System development life cycle phases |
| **WEEK 1,DAY1 ,DATE :01/01/2018(MONDAY)** |
| Introduction to system |
| **WEEK 1 ,DAY 2 ,DATE :02/01/2018(TUESDAY)** |
| Definition and characteristics of a system |
| **WEEK 1,DAY 3 ,DATE :03/01/2018(WEDNESDAY)** |
| Elements of system |
| **WEEK 1 ,DAY 4 ,DATE :04/01/2018(THURSDAY)** |
| Types of system, open and closed system |
| **WEEK 1,DAY 5 ,DATE :05/01/2018(FRIDAY)** |
|  **Holiday on account of Guru Govind Singh’s Birthday** |
| **WEEK 1 ,DAY 6 ,DATE :06/01/2018(SATURDAY)** |
| Types of system Continue, physical and abstract system, Man made information system |
| **WEEK 2** |
| **ASSIGNMENT:** |
| **WEEK 2,DAY1 ,DATE :08/01/2018(MONDAY)** |
| Types of system, Man made information system, formal and informal information system |
| **WEEK 2 ,DAY 2 ,DATE :09/01/2018(TUESDAY)** |
| Man made information system, computer based information system |
| **WEEK 2,DAY 3 ,DATE :10/01/2018(WEDNESDAY)** |
| System development life cycle phases |
| **WEEK 2 ,DAY 4 ,DATE :11/01/2018(THURSDAY)** |
| System development life cycle phases continue.. |
| **WEEK 2,DAY 5 ,DATE :12/01/2018(FRIDAY)** |
| Oral test |
| **WEEK 2 ,DAY 6 ,DATE :13/01/2018(SATURDAY)** |
| system analyst |
| **WEEK 3** |
| **ASSIGNMENT:** |
| **WEEK 3,DAY1 ,DATE :15/01/2018(MONDAY)** |
| Role of system analyst |
| **WEEK 3 ,DAY 2 ,DATE :16/01/2018(TUESDAY)** |
| Role of system analystContinue**..** |
| **WEEK 3,DAY 3 ,DATE :17/01/2018(WEDNESDAY)** |
| Analyst/user interface |
| **WEEK 3 ,DAY 4 ,DATE :18/01/2018(THURSDAY)** |
| Doubt class |
| **WEEK 3,DAY 5 ,DATE :19/01/2018(FRIDAY)** |
| Introduction of System planning and initial investigation |
| **WEEK 3 ,DAY 6 ,DATE :20/01/2018(SATURDAY)**Bases for planning in system analysis |
| **WEEK 4** |
| **ASSIGNMENT :**Assignment on Initial investigation, strategies for determining information requirement |
| **WEEK 3,DAY1 ,DATE :22/01/2018(MONDAY)** |
|  **Holiday on account of Basant Panchmi.** |
| **WEEK 4 ,DAY 2 ,DATE :23/01/2018(TUESDAY)** |
| Sources of project requests… |
| **WEEK 4,DAY 3 ,DATE :24/01/2018(WEDNESDAY)** |
|  **Holiday on account of Sir Chotu Ram Jayanti.** |
| **WEEK 4 ,DAY 4 ,DATE :25/01/2018(THURSDAY)** |
| Initial investigation, determining user requirement and analysis |
| **WEEK 4,DAY 5 ,DATE :26/01/2018(FRIDAY)** |
|  **Holiday on account of Republic Day.** |
| **WEEK 4 ,DAY 6 ,DATE :27/01/2018(SATURDAY)** |
| Initial investigation, strategies for determining information requirement |
| **WEEK 5** |
| **ASSIGNMENT:** |
| **WEEK 5,DAY1 ,DATE :29/01/2018(MONDAY)** |
| Steps inInitial investigation |
| **WEEK 5 ,DAY 2 ,DATE :30/01/2018(TUESDAY)** |
| Analyst working on the initial investigation |
| **WEEK 5,DAY 3 ,DATE :31/01/2018(WEDNESDAY)** |
|  **Holiday on account of Guru Ravi Dass Jayanti** |
| **WEEK 5 ,DAY 4 ,DATE :01/02/2018(THURSDAY)** |
| Fact finding, Information gathering introduction |
| **WEEK 5,DAY 5 ,DATE :02/02/2018(FRIDAY)** |
| Information gathering tools- Record Inspection,Interview |
| **WEEK 5 ,DAY 6 ,DATE :03/02/2018(SATURDAY)**Information gathering tools-questionnaire and on-site observation |
| **WEEK 6** |
| **ASSIGNMENT:** |
| **WEEK 6,DAY1 ,DATE :05/02/2018(MONDAY)** |
| Revision of unit 1 |
| **WEEK 6 ,DAY 2 ,DATE :06/02/2018(TUESDAY)** |
| Test of Unit 1 |
| **WEEK 6,DAY 3 ,DATE :07/02/2018(WEDNESDAY)** |
| Structured analysis, Tools of structured analysis-Introduction |
| **WEEK 6 ,DAY 4 ,DATE :08/02/2018(THURSDAY)** |
| Structured analysis, Tools of structured analysis-Data flow diagram |
| **WEEK 6,DAY 5 ,DATE :09/02/2018(FRIDAY)** |
| Structured analysis, Tools of structured analysis-Data Dictionary |
| **WEEK 6 ,DAY 6 ,DATE :10/02/2018(SATURDAY)** |
|  **Holiday on account of Maharshi Dayanand Saraswati Jayanti.** |
| **WEEK 7** |
| **ASSIGNMENT:** |
| **WEEK 7,DAY1 ,DATE :12/02/2018(MONDAY)** |
| Structured analysis, Tools of structured analysis-Flow chart |
| **WEEK 7 ,DAY 2 ,DATE :13/02/2018(TUESDAY)** |
| **Holiday on account of Maha Shivaratri.** |
| **WEEK 7,DAY 3 ,DATE :14/02/2018(WEDNESDAY)** |
| Structured analysis, Tools of structured analysis-Gantt Chart |
| **WEEK 7 ,DAY 4 ,DATE :15/02/2018(THURSDAY)** |
| Structured analysis, Tools of structured analysis-Decision Tree |
| **WEEK 7,DAY 5 ,DATE :16/02/2018(FRIDAY)** |
| Structured analysis, Tools of structured analysis-Decision Table |
| **WEEK 7 ,DAY 6 ,DATE :17/01/2018(SATURDAY)** |
| Structured analysis, Tools of structured analysis-Structured English |
| **WEEK 8** |
| **ASSIGNMENT:** |
| **WEEK 8,DAY1 ,DATE :19/02/2018(MONDAY)** |
| Revision of Tools of structured analysis |
| **WEEK 8 ,DAY 2 ,DATE :20/02/2018(TUESDAY)** |
| Feasibility study: Introduction, Objective |
| **WEEK 8,DAY 3 ,DATE :21/02/2018(WEDNESDAY)** |
| Types of Feasibility study |
| **WEEK 8 ,DAY 4 ,DATE :22/02/2018(THURSDAY)** |
| Steps in feasibility analysis |
| **WEEK 8,DAY 5 ,DATE :23/02/2018(FRIDAY)** |
| Steps in feasibility analysis Continued. |
| **WEEK 8 ,DAY 6 ,DATE :24/02/2018(SATURDAY)** |
| Feasibility report, Oral presentation |
| **WEEK 9** |
| **ASSIGNMENT:** |
| **WEEK 9,DAY1 ,DATE :26/02/2018(MONDAY)** |
| Revision Class |
| **WEEK 9 ,DAY 2 ,DATE :27/02/2018(TUESDAY)** |
| Distribution of test  |
| **WEEK 9,DAY 3 ,DATE :28/02/2018(WEDNESDAY)** |
|  **VACATION -II** |
| **WEEK 9 ,DAY 4 ,DATE :01/03/2018(THURSDAY)** |
|  **VACATION -II** |
| **WEEK 9,DAY 5 ,DATE :02/03/2018(FRIDAY)** |
|  **VACATION -II** |
| **WEEK 9 ,DAY 6 ,DATE :03/03/2018(SATURDAY)** |
|  **VACATION -II** |
| **WEEK 10** |
| **ASSIGNMENT:** |
| **WEEK 10,DAY1 ,DATE :05/03/2018(MONDAY)** |
| Cost and benefit analysis Identification |
| **WEEK 10,DAY 2 ,DATE :06/03/2018(TUESDAY)** |
| Classification of Cost and benefit analysis |
| **WEEK 10,DAY 3 ,DATE :07/03/2018(WEDNESDAY)** |
| Methods of determining costs and benefits |
| **WEEK 10,DAY 4 ,DATE :08/03/2018(THURSDAY)** |
| Interpret results of analysis and take final action |
| **WEEK 10,DAY 5 ,DATE :09/03/2018(FRIDAY)** |
| Revision |
| **WEEK 10 ,DAY 6 ,DATE :10/03/2018(SATURDAY)** |
| Unit 2 test |
| **WEEK 11** |
| **ASSIGNMENT:** Structured design –Modularisation ,top- down design |
| **WEEK 11,DAY1 ,DATE :12/03/2018(MONDAY)** |
| Introduction to System Design and System design objective |
| **WEEK 11,DAY 2 ,DATE :13/03/2018(TUESDAY)** |
| Logical and physical design |
| **WEEK 11,DAY 3 ,DATE :14/03/2018(WEDNESDAY)** |
| Design Methodologies |
| **WEEK 11,DAY 4 ,DATE :15/03/2018(THURSDAY)** |
| Structured design –Modularisation ,top- down design |
| **WEEK 11,DAY 5 ,DATE :16/03/2018(FRIDAY)** |
| Structured design –Structure chart, module coupling and cohesion |
| **WEEK 11 ,DAY 6 ,DATE :17/03/2018(SATURDAY)** |
| Form-Driven methodology(IPO charts),Steps for IPO Chart |
| **WEEK 12** |
| **ASSIGNMENT:** |
| **WEEK 12,DAY1 ,DATE :19/03/2018(MONDAY)** |
| Advantage and limitation of IPO ChartDistribution of test 2 |
| **WEEK 12,DAY 2 ,DATE :20/03/2018(TUESDAY)** |
| structured walkthrough-user involvement |
| **WEEK 12,DAY 3 ,DATE :21/03/2018(WEDNESDAY)** |
| Input/Output and form design: Input design, Objectives of input design |
| **WEEK 12,DAY 4 ,DATE :22/03/2018(THURSDAY)** |
| Input/Output and form design: output design, Objectives of output design |
| **WEEK 12,DAY 5 ,DATE :23/03/2018(FRIDAY)** |
|  **Holiday on account of Shahidi diwas.** |
| **WEEK 12 ,DAY 6 ,DATE :24/03/2018(SATURDAY)** |
| Form design ,Classification of forms |
| **WEEK 13** |
| **ASSIGNMENT:** |
| **WEEK 13,DAY1 ,DATE :26/03/2018(MONDAY)** |
| Requirements of form design |
| **WEEK 13,DAY 2 ,DATE :27/03/2018(TUESDAY)** |
| Types of forms |
| **WEEK 13,DAY 3 ,DATE :28/03/2018(WEDNESDAY)** |
| Layout considerations |
| **WEEK 13,DAY 4 ,DATE :29/03/2018(THURSDAY)** |
|  **Holiday on account of Mahavir jayanti.** |
| **WEEK 13,DAY 5 ,DATE :30/03/2018(FRIDAY)** |
| Form control |
| **WEEK 13 ,DAY 6 ,DATE :31/03/2018(SATURDAY)** |
| Revision Class |
| **WEEK 14** |
| **ASSIGNMENT:** |
| **WEEK 14,DAY1 ,DATE :02/04/2018(MONDAY)** |
| Test of unit 3 |
| **WEEK 14,DAY 2 ,DATE :03/04/2018(TUESDAY)** |
| Introduction to System testing and Objectives of testing |
| **WEEK 14,DAY 3 ,DATE :04/04/2018(WEDNESDAY)** |
| Test plan Concept |
| **WEEK 14,DAY 4 ,DATE :05/04/2018(THURSDAY)** |
| Types of system tests-unit test and integration test |
| **WEEK 14,DAY 5 ,DATE :06/04/2018(FRIDAY)** |
| Types of system tests-validation test and system test |
| **WEEK 14 ,DAY 6 ,DATE :07/04/2018(SATURDAY)** |
| Types of system tests-Security test and Stress test |
| **WEEK 15** |
| **ASSIGNMENT:** |
| **WEEK 15,DAY1 ,DATE :09/04/2018(MONDAY)** |
| Quality assurance goals in system life cycle |
| **WEEK 15,DAY 2 ,DATE :10/04/2018(TUESDAY)** |
| System implementation Distribution of Test 3 |
| **WEEK 15,DAY 3 ,DATE :11/04/2018(WEDNESDAY)** |
| Process of implementation –conversion Method |
| **WEEK 15,DAY 4 ,DATE :12/04/2018(THURSDAY)** |
| Process of implementation-Training of users Method |
| **WEEK 15,DAY 5 ,DATE :13/04/2018(FRIDAY)** |
| System evaluation post implementation review |
| **WEEK 15 ,DAY 6 ,DATE :14/04/2018(SATURDAY)** |
| **Holiday on account of Vaisakhi & Dr B.R. Ambedkar’s Jayanti.** |
| **WEEK 16** |
| **ASSIGNMENT:** |
| **WEEK 16,DAY1 ,DATE :16/04/2018(MONDAY)** |
| System maintenance and its types |
| **WEEK 16,DAY 2 ,DATE :17/04/2018(TUESDAY)** |
| System documentation |
| **WEEK 16,DAY 3 ,DATE :18/04/2018(WEDNESDAY)** |
| **Holiday on account of Maharshi Pasuram Jayanti** |
| **WEEK 16,DAY 4 ,DATE :19/04/2018(THURSDAY)** |
| Forms of documentation |
| **WEEK 16,DAY 5 ,DATE :20/04/2018(FRIDAY)** |
| Revision Class |
| **WEEK 16 ,DAY 6 ,DATE :21/04/2018(SATURDAY)** |
| Test unit 4 |
| **WEEK 17** |
| **ASSIGNMENT:** |
| **WEEK 17,DAY1 ,DATE :23/04/2018(MONDAY)** |
| Discussion of previous year questions |
| **WEEK 17,DAY 2 ,DATE :24/04/2018(TUESDAY)** |
| Distribution of test |
| **WEEK 17,DAY 3 ,DATE :25/04/2018(WEDNESDAY)** |
| Revision Class |
| **WEEK 17,DAY 4 ,DATE :26/04/2018(THURSDAY)** |
| Revision Class |
| **WEEK 17,DAY 5 ,DATE :27/04/2018(FRIDAY)** |
| Revision Class |
| **WEEK 17 ,DAY 6 ,DATE :28/04/2018(SATURDAY)** |
| Revision Class |
| **WEEK 18** |
| **ASSIGNMENT:** |
| **WEEK 18,DAY1 ,DATE :30/04/2018(MONDAY)** |
| Revision Class |

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