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| Practical 1 | 1. Scenario Manager. |  |
|  | 1. Goal Seek. |  |
| a. | Scenario Manager |  |
|  | 1. Open Excel and Enter Your pointers for Semester I to Semester IV. 2. In Excel, On the Data tab, in the Data tools group, click What-If Analysis and select Scenario Manager. 3. Add a scenario by clicking on Add. 4. Add Name To the Scenario and select cells for the Changing Cells and click on OK. 5. Add Values for each of the changing cells. 6. To apply Scenarios click on show. 7. Now, add other scenarios. 8. Click on summary then select the result cell and click on OK to get the scenario summary. |  |
| b. | Goal Seek |  |
|  | 1. Go to data -> ForeCast -> What if Analysis -> GoalSeek 2. Set cell :- select cell on which you want to achieve goal. 3. To value :- the value that you want to achieve. 4. By changing cell :- select cell whose value will be changed to achieve the goal. 5. Click OK. |  |

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| Practical 2 | Import Excel to Excel. |  |
|  | 1. Create a new project by selecting integration services and integration services project. 2. Select the data flow panel. 3. Add 2 Data Flow Task and rename as Source and Destination. After that connect it. 4. And click on Source then add select source as Excel Source and Destination as OLE DB Destination from SSIS Toolbox. 5. Create new excel file. 6. Double Click on Excel Source and Select Excel Source, after click on New open the Excel Connection Manager window then Browse the excel file (Prac01)and click on Ok 7. After that Click on Columns then check the fields and click on Ok. 8. Double click on OLE DB Destination then click on New Button. 9. Then select data connections (Your Data Base Name) from this window and click on Ok. 10. After that Click on Mappings then select the appropriate fields and click on Ok 11. Run the Project. |  |

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| Practical 3 | Import Oldb to Excel. |  |
|  | 1. Click on new project and select Integration Services Project. 2. Drag and Drop two Data Flow Task on control flow panel and rename as Input and Output. 3. Drag and Drop OLE DB source and Flat File Destination on Data Flow Panel. 4. Double click on ADO.NET Source. Select New, again select New. Select Database name as “employee” or any database you want and then click OK. Select name of table as “dbo.emp” or any table from database you want. 5. Create new CSV file and enter column name same as table columns. 6. Double click on flat file destination. Click on New and then select delimited and Ok 7. Browse the newly created CSV file. In Header Row Delimiter select “Comma”. 8. Double click on mappings and connect Input Column to Destination Column. 9. Click on Run Button. View the result in CSV file. |  |

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| Practical 4 | Add sort transformation |  |
|  | 1. Create a new integration services project . 2. Open data flow panel and drag and drop the source assistance and select the SQL server and new . 3. Provide the server name and database name. 4. Drag and drop the Destination assistance and select the excel and give the path of excel file. 5. Select the sort from toolbox and connect between the source and destination assistance. 6. Select the sort and provide the column name on which we want to sort. 7. Select the source assistance and provide the Database and table view. 8. Select Destination assistance and provide excel path and sheet name. 9. Map the all database columns with excel columns. 10. Right click on project name and select properties and make Run64BitRuntime false. 11. Run the project and check the output in excel file |  |

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| Practical 5 | ETL Job Scheduling |  |
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| Practical 6 |  |  |