**Sri Lanka Institute of Information**

**Technology**

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**Data Warehousing & Business Intelligence**

**Assignment 02**

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# Data Source

For this purpose, use Hospital\_DW as Data warehouse which implemented in last Assignment.

# Cube Implementation

In here first create data source view using previous implemented data dimensions and fact table.

Diagram, schematic

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**02.1 Create Data Cube**

In here I choose Fact Hospitalas measure group DimDepartment, DimLocation, DimDate and DimDoctor as dimensions.

Graphical user interface, application

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After that configure all the dimension with proper way.

* + 1. Dim Date

Graphical user interface, application, Word

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* + 1. Dim Department

Graphical user interface

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* + 1. Dim Doctor

Graphical user interface, application, Word

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* + 1. Dim Location(Hierarchy using)

Graphical user interface, application, Word

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* + 1. KPI Creation

Graphical user interface, application

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* + 1. KPI Details

Graphical user interface, application

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Graphical user interface, application

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# Demonstration of OLAP Operations

3.1 Browser the Cube in SQL Server Management Studio and Get the MDX for the data

Graphical user interface, application

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3.2 Roll -Up

Graphical user interface

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Drill-Down

3.3 Drill-Down

Timeline

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3.4 Slice

Graphical user interface, table

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3.5 Dice

Graphical user interface, table

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3.6 Pivot

Graphical user interface, application

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# SSRS Reports

04.1 Report with a matrix

Graphical user interface, application

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04.2 Report with Parameter

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04.2 Report With Chart

Chart, bar chart

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Chart, pie chart

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Chart, line chart

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* 1. Report with Drill – Down

Graphical user interface, application

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04.4 Report with Drill – Through

Graphical user interface, application, Word

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04.5 Drill – Through Result

Table

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