

Implementing a Business Intelligence Solution Course Outline

Business Intelligence Basics –

What Is Business Intelligence?

- What Business Value Does BI Deliver?
- BI Problems: Then and Now
- Components of a BI Solution

BI Terminology

- BI Terminology: OLTP and OLAP
- BI Terminology: Dashboards and Scorecards
- BI Terminology: Extract, Transform, Load and Reporting Tools

Business Intelligence Initiative Roadmap

- The BA Process in Business Intelligence Initiatives
- How the Business Analyst Delivers Business Value

Building Your BI Strategy –

Business Intelligence Meta Model (BIMM)

- Why a Business Intelligence Meta Model?
- The BIMM as a Brainstorming Tool
- Other Brainstorming Tools

Elements of the Business Intelligence Meta Model

- Outcomes and Insights
- Knowledge Acquisition
- Information and Structure
- Data



Strategic and Tactical Prioritisation

- Timeboxing
- MoSCoW Analysis
- 2 x 2 Matrix

Characteristics of Well-Formed Outcomes: SAVED

- Example: A Poorly Formed Outcome
- IIBA Requirement Definitions
- Business Requirements
- Example: Business Requirement

Evaluating Readiness for Business Intelligence –

Assessing Project Feasibility

- Strategy Analysis
- Introducing Your Planning Spreadsheet
- Every Business Has a BI System or Solution
- Three Skill Sets Needed For Business Intelligence

Business Intelligence Maturity Levels

- Level 1: Informal
- Level 2: Defined
- Level 3: Managed
- Level 4: Controlled
- Level 5: Optimised

Driving the BI Initiative Forwards

- What Are Business Drivers?
- Evaluating Your Maturity Level

Business Intelligence Technologies

- Example: Enabling Technologies for BI
- Identifying Enterprise Systems and Data
- How Is Enterprise Data Stored?
- Understanding Your Data



Data Governance

- Unstructured Data
- Technical Infrastructure
- Structured and Unstructured Data
- Other Definitions of Data Governance

Data Governance Framework

- Areas of Focus
- Who Manages Data Governance?

Dealing With Data –

Top-Down Data Analysis

- Enterprise Information Architecture
- Designing Standardised Business Metadata

Bottom-Up Source Data Analysis

- Source Data Selection
- Data Selection Issues

Data Cleansing

- Extract, Transform, and Load (ETL)
- Specifying ETL Rules
- Moving Data to a Data Warehouse

Developing the Data Warehouse

- Denormalisation
- OLTP vs. OLAP
- OLAP Terminology
- Value of OLAP

Organising a Business Intelligence Competency Centre –

Defining Competence

- Six Challenges of Business Intelligence
- The Value of the BICC



How the BICC Addresses the Six Challenges of BI

- Supporting Stakeholders
- Supporting Business Strategy
- Sharing Knowledge Throughout the Organisation
- Benefits and Disadvantages of the BICC

What Is the BICC?

- Why Is a BICC Important?
- The Goal of a BICC: Information Democracy
- How Is a BICC Established?

Change Management and Transition Requirements

- Functional Areas in the BICC
- Job Roles in the BICC
- BICC Scalability
- Organising the BICC

Solving Business Problems With BI –

Overview of BI Tools

- Organisational Issues
- Reporting on BI Data

KPIs and BI Tools

- KPI Elements
- KPI Indicators
- Digital Dashboards
- Balanced Scorecards

Capstone Activity: Using BI to Solve Problems