DATA ANALYSIS

DAY 1

Introduction

- Examples of data analysis
- Application of data analysis during the project life cycle
- Role of the analyst, designer and user during this activity

Basic Principles & Terminology

- The business analysis approach
- Cross checking & consolidation
- Global, application & transaction model
- Entities, attributes, relationships & normalisation

Entity Relationships

- Relationship notation
- Mapping
- Simple & complex relationships
- Naming relationships & models
- Producing an application data model from the results of normalization

DAY 2

Data Analysis & Normalization

- Fact finding & identification of candidate data
- Recording data in a data dictionary
- Data dictionary notation
- Normalisation
- First, second & third relations

Global Data Model

- Analysis of business rules
- Drawing a global data model
- Annotating the data model & checking with user management

Composite Data Model

- Composite & compound keys
- Key-only relations
- Combining models to form one composite data model

Fourth & Fifth Normal Forms

- Circumstances which may lead to data anomalies in key fields
- Overview of transaction path analysis