COURSE TABLE OF CONTENTS

Operations Research Fundamentals

OEM: Koenig Original • Duration: 3 Days (24 hrs)

COURSE MODULES & TOPICS

Module 1: Introduction to Operations Research

- Overview of operations research
- Linear programming models
- Optimisation techniques
- Introduction to decision analysis
- Problem formulation

Module 2: Advanced Modelling Techniques

- Simulation models
- Network analysis
- Integer programming
- Queuing theory
- Sensitivity analysis

Module 3: Practical Applications and Case Studies

- Case study: transportation problem
- Project scheduling with PERT/CPM
- Inventory management models
- Game theory applications
- Review and future trends

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