

MODULE - 9 LECTURE NOTES - 4

DECISION SUPPORT SYSTEMS

INTRODUCTION

DSS is an interactive computer-based system to help decision makers use communications technologies, data, documents, knowledge and/or models to identify and solve problems, complete decision process tasks, and make decisions. Geographic Information Systems (GIS), Enterprise Information Systems (EIS), Expert Systems (ES), On-Line Analytical Processing (OLAP), software agents, knowledge discovery systems and group DSS can all be lumped into the category of systems we call as DSS.

DSS FOR DECISION-MAKING

Decision Preparation

- DSS environments provide data required as input to the decision-making process.
- This is what almost all data mart and data warehousing environments do today.

Decision structuring

- DSS environments provide tools and models for arranging the inputs in ways that make sense to frame the decision.
- These tools and models are not pivot tables and other aspects of data presentation found in query tools.
- They are actual decision-making tools, like fault tree analysis, Bayesian logic and model-based decision-making based on things like neural networks.

Context Development

- DSS environments again provide tools, and provide the mechanisms for capturing information about a decision's constituencies (who are affected by this decision), outcomes and their probabilities, and other elements of the larger decision-making context.

Decision-making

- DSS environments may automate all or part of the decision-making process and offer evaluations on the optimal decision.
- Expert systems and artificial intelligence environments can do this

Decision Propagation

- DSS environments take the information gathered about constituencies, dependencies, outcomes and drive elements of the decision into those constituencies for action.

Module 9 Lecture Notes Decision Support Systems

Introduction

Wenbin Ji



Module 9 Lecture Notes Decision Support Systems Introduction :

Whispering the Techniques of Language: An Mental Journey through **Module 9 Lecture Notes Decision Support Systems Introduction**

In a digitally-driven earth wherever monitors reign supreme and immediate communication drowns out the subtleties of language, the profound techniques and emotional subtleties concealed within phrases often get unheard. However, nestled within the pages of **Module 9 Lecture Notes Decision Support Systems Introduction** a fascinating fictional value sporting with fresh thoughts, lies a fantastic quest waiting to be undertaken. Composed by an experienced wordsmith, that charming opus attracts visitors on an introspective trip, gently unraveling the veiled truths and profound influence resonating within ab muscles cloth of every word. Within the psychological depths of this poignant evaluation, we can embark upon a heartfelt exploration of the book is primary subjects, dissect their captivating writing style, and succumb to the strong resonance it evokes heavy within the recesses of readers hearts.

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