

COURSE CODE	COURSE TITLE	L	T	P	C
1152IT127	KNOWLEDGE BASED DECISION SUPPORT SYSTEM	1	2	2	3

Course Category:

~~Foundation (0) / Program Core (1) / Program Elective (2) / Allied Elective (3) / University Elective (4) / Value Education Elective (5) / Independent Learning (6) / Industry – Higher Learning Institute Interaction (7)~~

a. Preamble :

There has been a radical shift in the management parlance. Organizations can use Intranets and Internets to analyze various aspects about the performance and predict the future. This course aims at exposing the student to one of the important applications of the computer.

b. Prerequisite Courses:

Sl. No	Course Code	Course Name
1		Database Management System

c. Related Courses:

Sl. No	Course Code	Course Name
1		Data Mining and data warehousing

d. Course Educational Objectives :

Learners are exposed to

- Development of support system
- Methods of managing knowledge
- Intelligent decision system

development

e. Course Outcomes :

Upon the successful completion of the course, students will be able to:

CO No's	Course Outcomes	Knowledge Level (Based on revised Bloom's Taxonomy)
CO1	Program conversational case-based reasoners.	K2
CO2	Discuss encoding knowledge bases for decision support	K2
CO3	Discuss programming help-desk systems	K2
CO4	Differentiate knowledge representation formalism based on the target domain	K3
CO5	Explain wide range of applications for decision support Technologies	K3

f. Correlation of COs with POs :

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	M											
CO2	M											
CO3	M											
CO4	M											
CO5	M											
CO6	H	M	M	M	M							
CO7					M							

H- High; M-Medium; L-Low

g. Course

Content: Unit 1

Decision Making and computerized support: Management support systems. Decision making systems modeling- support.

Unit 2

Decision Making Systems – Modeling and Analysis – Business Intelligence – Data Warehousing, Data Acquisition - Data Mining. Business Analysis – Visualization - Decision Support System Development.

Unit 3

Collaboration, Communicate Enterprise Decision Support System & Knowledge management – Collaboration Com Technologies Enterprise information system – knowledge management.

Unit 4

Intelligent Support Systems – AI & Expert Systems – Knowledge based Systems – Knowledge Acquisition , Representation & Reasoning, Advanced intelligence system – Intelligence System over internet.

Unit 5

Implementing MSS in the E-Business ERA – Electronic Commerce – integration, Impacts and the future management support systems.

j. Learning

Resources i.Text

Books:

1. Decision Support Systems & Intelligent Systems – Seventh edition Efraim Turban & Jay E. Aronson Ting-Peng Liang - Pearson/prentice Hall
2. Decision support Systems – Second Edition – George M Marakas - Pearson/prentice Hall.

ii.Reference Books:

Decision Support Systems – V.S. Janakiraman & K. Sarukesi

Decision Support systems and Data warehouse Systems by Efreem G Mallach-Mc Graw Hill

iii Online resources

1. <http://nptel.ac.in/courses/105108081/module9/lecture39/lecture.pdf>
2. http://lecture-notes-forstudents.blogspot.in/2010/04/knowledge-based-decision-support-system_03.html