

COURSE CODE	COURSE TITLE	L	T	P	C
1152CS110	KNOWLEDGE BASED DECISION SUPPORT SYSTEM	3	0	0	3

Course Category: Program Elective

A. Preamble:

This course provides an introduction to the basic concepts and techniques of how to manage Knowledge in an Intelligent Decision Support Systems.

B. Prerequisite Courses:

Sl. No	Course Code	Course Name
1	1151CS107	Database Management System

C. Related Courses:

Sl. No	Course Code	Course Name
1	1151CS114	Data Warehousing and Data Mining

Course Educational Objectives:

Learners are exposed to

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

D. 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	Outline the concepts of Decision Making System	K2
CO2	Illustrate the visualization concepts of decision support system	K2
CO3	Explain enterprise management systems	K2
CO4	Summarize the case based reasoning system.	K2
CO5	Apply e commerce on future management support systems	K3

E. Correlation of Cos with Pos :

Cos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	M	M										M			
CO2		H											L		
CO3	M														
CO4	M	H		L			L				L			M	L
CO5	M		M	M		L		L			L			M	L

H- High; M-Medium; L-Low

F. Course Content:

Unit I	9
Decision Making and computerized support: Management support systems. Decision making systems rayscal- support.	
Unit II	9
Decision Making Systems – Modelling and Analysis – Business Intelligence – Data Warehousing, Data Acquisition – Data Mining. Business Analysis – Visualization - Decision Support System Development.	
Unit III	9
Collaboration, Communicate Enterprise Decision Support System & Knowledge management – Collaboration Com Technologies Enterprise information system – knowledge management.	
Unit IV	9
Intelligent Support Systems – AI & Expert Systems – Knowledge based Systems – Knowledge Acquisition , Representation & Reasoning, Advanced intelligence system – Intelligence System over internet.	
Unit V	9
Implementing MSS in the E-Business ERA – Electronic Commerce – integration, Impacts and the future management support systems.	

TOTAL: 45 Hours

G. 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:

1. Decision Support Systems – V.S. Janakiraman& K. Sarukesi
2. 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>
<http://lecture-notes-forstudents.blogspot.in/2010/04/knowledge-based-decision-support->