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| **COURSE CODE AND NAME:** SIS 3201 Decision Support Systems | | | |
| **COURSE LEVEL:** Year 3, Semester II | | | |
| **COURSE CREDIT:** 3CU | | | |
| **Brief Course Description**  The course, decision support systems, examines a set of information systems that support decision making. Specifically, the course looks at Decision Support Systems(DSS), Group Decision Support Systems (GDSS), Executive Information Systems (EIS), Expert Systems (ES). The course explores and discusses the development, implementation, and application of these systems | | | |
| **Course Objectives**   * To expose the student to the different managerial decision making information systems * To introduce the student to the different situations and environments in which these systems are applied * To expose the student to decision making IS system to a decision making scenario * To introduce the student to individual and group decision making systems | | | |
| **Detailed Course Description** | | |  |
| * Introduction to management support systems and technologies | | | (9hours) |
| * Difference between MIS and DSS | | | (6 hours) |
| * Decision support systems (DSS) | | | (6 hours) |
| * Group decision support systems (GDSS) | | | (6 hours) |
| * Executive information systems (EIS) and expert systems (ES) | | | (6 hours) |
| * Understanding the decision making process | | | (6hours) |
| * Methods and techniques for developing and implementing systems which allow for easy access to data to support decision making processes | | | (6 hours) |
| **Mode of delivery**  This course is taught by lectures, tutorials, practical assignments, and examinations. | | | |
| **Assessment**  The course is assessed by assignment, tests and final examinations whose contributions are shown below: | | | |
|  | Assignment  Tests  Final course Examination  Total | 15%  25%  60%  100% | |

**Learning Outcomes**

By the end of the course, students should be able to:

* Discuss the different managerial decision making information systems
* Describe the different situations and environments in which these systems are applied
* Apply any chosen decision making IS system to a decision making scenario
* Distinguish between individual and group decision making systems

**References:**

1. Daniel J. Power. Decision Support Systems: Concepts and Resources for Managers.  Praeger, 2002.
2. Vicki L. Sauter. Decision Support Systems for Business Intelligence. Wiley; 2 edition, 2011
3. Efraim Turban, [Ramesh Sharda](http://www.amazon.com/s/ref=ntt_athr_dp_sr_2?_encoding=UTF8&field-author=Ramesh%20Sharda&search-alias=books&sort=relevancerank), [Dursun Delen](http://www.amazon.com/Dursun-Delen/e/B006J8GRHW/ref=ntt_athr_dp_pel_3). Decision Support and Business Intelligence Systems, 9th Edition. Prentice Hall; 9 edition, 2010.

# V. S. Janakiraman, K. Sarukesi. Decision Support Systems. PHI Learning Pvt. Ltd., 2008.

# Frada Burstein, Clyde Holsapple. Handbook on Decision Support Systems 1: Basic Themes, Volume 1. Springer, 2008.

1. Frada Burstein, Clyde Holsapple. Handbook on Decision Support Systems 2: Variations, Volume 2. Springer, Jan 22, 2008.
2. David Schuff, David Paradice, Frada Burstein, Daniel J. Power, [Ramesh Sharda](http://www.google.co.ug/search?tbo=p&tbm=bks&q=inauthor:%22Ramesh+Sharda%22). Decision Support: An Examination of the DSS Discipline. Springer, 2010.

# Manuel Mora, Guisseppi A. Forgionne, Jatinder N. D. Gupta. Decision Making Support Systems: Achievements, Trends, and Challenges for the New Decade. Idea Group Inc (IGI), 2003.