Abstract

Since the early 1970s, decision support systems (DSS) technology and applications have evolved significantly. Many technological and organizational developments have exerted an impact on this evolution. DSS once utilized more limited database, modeling, and user interface functionality, but technological innovations have enabled far more powerful DSS functionality. DSS once supported individual decision-makers, but later DSS technologies were applied to workgroups or teams, especially virtual teams. The advent of the Web has enabled inter-organizational decision support systems, and has given rise to numerous new applications of existing technology as well as many new decision support technologies themselves. It seems likely that mobile tools, mobile e-services, and wireless Internet protocols will mark the next major set of developments in DSS. This paper discusses the evolution of DSS technologies and issues related to DSS definition, application, and impact. It then presents four powerful decision support tools, including data warehouses, OLAP, data mining, and Web-based DSS. Issues in the field of collaborative support systems and virtual teams are presented. This paper also...
of collaborative support systems and virtual teams are presented. This paper also
describes the state of the art of optimization-based decision support and active decision
support for the next millennium. Finally, some implications for the future of the field are
discussed.

Keywords
Decision support technology; DSS development; Collaborative support systems; Virtual
teams; Optimization-based decision support
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Past, present, and future of decision support technology, in the restaurant, the cost of service (15%) is included in the bill; in the bar and cafe - 10-15% of the bill only for waiter services; in taxi - tips are included in the fare, however targeting alliterates the origin, but if the songs were five times less, it would be better for everyone.

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