

Impact and Difficulties of Management Information System Implementation

¹Musa Dan-azumi Mohammed, ²Ahmad Muhammad Ahmad, ³Munirah Abdullahi Said,

^{1,2,3}Department of Computer Science, Kano State Institute for Information Technology, Kura, Kano, Nigeria

Abstract: The use of computer software technology has increased dramatically with the advancement of computer technology in recent years. Rapid advancements in software have also benefited people from all walks of life. The management of schools and pupils has been substantially improved by the introduction of software solutions. This essay primarily examines and condenses the importance, key features, and drawbacks of the student information management system.

Keywords: Management Information System (MIS), Personal Computer (PC), Visual Studio, Students Records, Easily Accessible.

1. INTRODUCTION

The early management information system (MIS) for organizations, industries, institutions, and schools was first established in 1978 by a researcher named Raymond Billy when he was a student at Asheville High School. It was then first established by a researcher named Philip Neal, a teacher at Lea Manor High School, from 1982 to 1983. Bedfordshire County Council (Lea Manor's local education authority) then further developed this product, which began being used by other schools in 1984. In 1988, a commercial company, SIMS Ltd., was founded to further develop SIMS. SIMS Ltd. was acquired by Capita Group in 1994. In December 2020, Capita decided to sell their Education Software Solutions business (whose flagship product is SIMS) to private equity house Montagu to reduce debts. Montagu has stated that they intend to continue developing SIMS with a plan to release the latest version, SIMS 8, after the acquisition process has been completed [1]. With the hasty improvement of the higher educational system, the enrollment scales of major universities and colleges continue to magnify. The quantity of students at school has improved, and numerous new disciplines and majors have been opened in the schools or institutions. The types, batches, and majors of the college's students are miscellaneous. These make the individual data management of students very byzantine. Counting the students' data needs a lot of time and energy in daily teaching work. Faced with this enormous quantity of data, to work efficiently, we have to create a student personal information management system to manage this data. The information management system is primarily to manage the important data of students in institutions, schools, and colleges. Student data is an essential indicator of student development. As a

significant folder of student data, the utilization and management of student data are very imperative. The old-fashioned management style is mostly bifurcated by the academic management departments of the different majors of the institutions, schools, or colleges to physically maintain and enter student data. Due to the shortage of a fused data broad management podium, coupled with a high-intensity information processing workload and regionalized management of data, the speed of data collation is slow, information loss is prone to occur, statistical errors and query work are inopportune, and management personnel spend a lot of money. Time and energy have had a certain influence on other work in terms of data management. Thus, an integrated management system for the individual data of all institutions, colleges, and schools is required for the management of college and university information. The establishment of the system can merely realize data sharing, facilitate inquiry and management, speed up the import of related data, streamline manpower, free management staff from monotonous information processing tasks, and strengthen the relationship between different professions and departments. There is information exchange between the college and students, parents' understanding of the students' situation at school, and data analysis of the students. Figure 1 below shows the student's information management system.



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Koumpis, Adamantios



Management Information Systems An Implementation Oriented Approach:

CIFOR's management information system: from concept to implementation Michael O. Ibach, 2001-03-13

Textbook on Management Information Systems DP Nagpal, 2011 This book has been written for non technical undergraduates BCA MCA MBA students in finance accounting management and the liberal arts who will find a knowledge of Information System vital for their professional success This book may also serve as a first course for students who subsequently major in information systems at either the undergraduate or graduate level **Management Information**

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Management Information Systems : Made Easy Dr. Padmakar Shahare I Dr Ajay Pethe I Dr. Mukul Burghate, Rapid globalization coupled with the growth of the Internet and Information Technology IT has led to a complete transformation in the way businesses or organizations function today This has not only affected the management culture but has also led to an increase in competition in terms of markets and resources Businesses have become more customer driven and e business is gaining popularity Traditional means of communication correspondence have given way to online dealings e mails and chats With such a radical shift in the approach to doing business came the need for specialized systems to handle the various departments and functions in an organization Management Information System or MIS is an organized and well structured system used by organizations for the collection storage processing and dissemination of data in the form of information that facilitates the smooth functioning of the organization Management information systems involve three primary resources people technology and information or decision making It is in this context a textbook on introduction to the subject of MIS is presented to the students of Management program The book contains the syllabus from basics of the subjects going into the intricacies of the subjects All the concepts have been explained with relevant examples and diagrams to make it interesting for the readers An attempt is made here by the experts to assist the students by way of providing case based study material as per the curriculum with non commercial considerations However it is implicit that these are exam oriented Study Material and students are advised to attend regular class room classes in the Institute and utilize reference books available in the library for In depth knowledge We owe to many websites and their free contents we would like to specially acknowledge contents of website www.wikipedia.com and various authors whose writings formed the basis for this book We acknowledge our thanks to them At the end we would like to say that there is always a room for improvement in whatever we do We would appreciate any suggestions regarding this study material from the readers so that the contents can be made more interesting and meaningful Readers can email their queries and doubts to our authors on jsjp10ng@gmail.com

We shall be glad to help you immediately Authors Dr Padmakar Shahare I Dr Ajay Pethe I Dr Mukul Burghate

Management Information Systems for Enterprise Applications: Business Issues, Research and Solutions Koumpis, Adamantios, 2012-02-29 This book provides the conceptual and methodological foundations that reflect interdisciplinary concerns regarding research in management information systems investigating the future of management information systems by means of analyzing a variety of MIS and service related concepts in a wide range of disciplines Provided by publisher *Strategic Information Systems: Concepts, Methodologies, Tools, and Applications* Hunter, M.

Gordon, 2009-08-31 This 4 volume set provides a compendium of comprehensive advanced research articles written by an international collaboration of experts involved with the strategic use of information systems Provided by publisher

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Galliers, Mari-Klara Stein, Abayomi Baiyere, 2025-06-02 The field of information systems has been evolving since the first application of computers in organizations in the early 1950s Focusing on information systems analysis and design up to and

including the 1980s the field has expanded enormously with our assumptions about information and knowledge being challenged along with both intended and unintended consequences of information technology This second edition takes stock of the progress made in recent years and presents a forward looking perspective that can help to shape future scholarly conversations both in the field of information systems but also in cognate fields where information technology is having profound effects With the advances in digital technology such as artificial intelligence the Internet of Things cloud computing blockchain green tech and the like we herald a digital era and can envision a shift and a need for new logics new ways of thinking and new ways of engaging with digital technology now and in the near future As compared to the four themes in the previous edition this book introduces a fifth theme Digital Phenomena to specifically attend to contemporary issues and what is a pertinent agenda for future research This prestige reference work offers students and researchers a critical reflection on major topics and current scholarship in this evolving field with each chapter providing a balanced overview of current knowledge identifying issues and discussing relevant debates This book is required reading for any student or researcher concerned not just with the broad and expanding field of management information systems per se but all those in cognate disciplines interested in the impacts management and use of modern information technologies in organizations and modern society whether it be strategy organizational behaviour marketing sociology or the like This single volume repository deals not just with the current state of knowledge the current debates and the extant literature but also with questions concerning emerging management concerns and implications of the fast changing world of digital technologies

Enterprise Content Management in Information Systems Research Jan vom Brocke, Alexander Simons, 2013-11-04 This book collects ECM research from the academic discipline of Information Systems and related fields to support academics and practitioners who are interested in understanding the design use and impact of ECM systems It also provides a valuable resource for students and lecturers in the field Enterprise content management in Information Systems research Foundations methods and cases consolidates our current knowledge on how today s organizations can manage their digital information assets The business challenges related to organizational information management include reducing search times maintaining information quality and complying with reporting obligations and standards Many of these challenges are well known in information management but because of the vast quantities of information being generated today they are more difficult to deal with than ever Many companies use the term enterprise content management ECM to refer to the management of all forms of information especially unstructured information While ECM systems promise to increase and maintain information quality to streamline content related business processes and to track the lifecycle of information their implementation poses several questions and challenges Which content objects should be put under the control of the ECM system Which processes are affected by the implementation How should outdated technology be replaced Research is challenged to support practitioners in answering these questions

Enterprise Information Systems for Business Integration in SMEs: Technological,

Organizational, and Social Dimensions Cruz-Cunha, Maria Manuela,2009-09-30 Discusses the main issues challenges opportunities and trends related to the impact of IT on every part of organizational and inter organizational environments

System Analysis and Design Preeti Gupta,2008 Second-Wave Enterprise Resource Planning Systems Graeme Shanks,Peter B. Seddon,Leslie P. Willcocks,2003-09-11 How to get the most out of Enterprise Resource Planning ERP systems Research in Education ,1971 **Evaluating Information Systems** Zahir Irani,Peter Love,2008 Companies make a huge investment of 4 to 10% of their turnover on IT this book reveals how this is evaluated and measured

Entity-Relationship Approach - ER '93 Ramez A. Elmasri,1994-07-28 This monograph is devoted to computational morphology particularly to the construction of a two dimensional or a three dimensional closed object boundary through a set of points in arbitrary position By applying techniques from computational geometry and CAGD new results are developed in four stages of the construction process a the gamma neighborhood graph for describing the structure of a set of points b an algorithm for constructing a polygonal or polyhedral boundary based on a c the flintstone scheme as a hierarchy for polygonal and polyhedral approximation and localization d and a Bezier triangle based scheme for the construction of a smooth piecewise cubic boundary Higher Education Amendments of 1969 United States. Congress. House. Education and Labor,1971 *Hearings* United States. Congress. House. Committee on Education,

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