Icai Module Solutions | 4840b970acdf243c3e128c1c77fb6438


This volume describes the proceedings of the 5th Congress of the European Association for Research and Development in Higher Education (EARDHE) and the Dutch Association for Research and Development in Higher Education (CRWO). The focus of the Congress was the application of new technology both in the fields of teaching/learning and in management organization and administration. Though teaching and learning are the core fields of interest, this work reflects the growing importance of R & D in university management, planning and organization. Three main themes are discussed: the influence and consequences of new technologies for learning and instruction, the influence and consequences for management and institutional structures and the possibilities of new technologies in developing countries.


Software development is a complex problem-solving activity with a high level of uncertainty. There are many technical challenges concerning scheduling, cost estimation, reliability, performance, etc, which are further aggravated by weaknesses such as changing requirements, team dynamics, and high staff turnover. Thus the management of knowledge and experience is a key means of systematic software development and process improvement. “Managing Software Engineering Knowledge” illustrates several theoretical examples of this vision and solutions applied to industrial practice. It is structured in four parts addressing the motives for knowledge management, the concepts and models used in knowledge management for software engineering, their application to software engineering, and practical guidelines for managing software engineering knowledge. This book provides a comprehensive overview of the state of the art and best practice in knowledge management applied to software engineering. While researchers and graduate students will benefit from the interdisciplinary approach leading to basic frameworks and methodologies, professional software developers and project managers will also profit from industrial experience reports and practical guidelines.

The focus of this volume is “Heterogeneous Knowledge and Problem Solving Integration”, i.e. the combined use of different knowledge representation and problem solving paradigms. This is a central topic for the design and implementation of problem solving systems, since, from a pragmatic and engineering standpoint, the solution of a large class of problems cannot take place within one single representation language or problem solving paradigm. Heterogeneous systems represent not only a pragmatic answer, but also a theoretical alternative to the homogeneous paradigms.

This volume addresses the impact of cognitivism on teaching and learning in three ways: the changes in the ways educators have come to view the learner as a result of cognitive theories; the ways the immediate environment of the learner can be altered according to cognitive principles; and the progress cognitive psychologists have made directly toward the teaching of specific subjects.

This dissertation describes an intelligent, computer-aided instructional (ICAI) program, named GUIDON, with capabilities to carry on a structured case method dialogue, generate teaching material from production rules, construct and verify a model of what the student knows, and explain expert reasoning. The principle objective of this research has been to convert MYCIN, a knowledge-based consultation program, into an effective instructional tool. GUIDON combines the subject matter knowledge of the consultation system with tutorial discourse knowledge, while keeping the two distinct. MYCIN-like knowledge-based consultation
programs are designed to provide expert-level advice about difficult scientific and medical problems. High performance is attained by interpreting a large, specialized set of facts and domain relations that take the form of rules about what to do in a given circumstance. Such a rule base is generally built by interviewing human experts to formulate the knowledge that they use to solve similar problems in their area of expertise. While it is generally believed that these programs have significant educational potential, little work has been done to evaluate the programs of realizing this potential.

This book on Business Mathematics, logical Reasoning and statistics has been designed as per the latest CA foundation syllabus for Paper 3. With a blend of conceptual learning and problem-solving approach, it offers in-depth understanding of the basic mathematical and statistical tools with emphasis on their application in business, finance and economics.

Covering expert systems, software programs, computer assisted instruction, catalog automation, online retrieval use, and applications and management aspects. Price to individuals is $35. Annotation copyright Book News, Inc. Portland, Or.

This volume contains the proceedings of the Tenth International Congress on Medical Informatics, MIE 91, that will be held in Vienna, Austria, August 19-22, 1991. The MIE 91 Congress was organized by the European Federation for Medical Informatics (EFMI) in cooperation with the Austrian Computer Society (OOG) and the Austrian Society for Biomedical Engineering (OGBMT). It follows the previous congresses in Cambridge (1978), Berlin (1979), Toulouse (1981), Dublin (1982), Brussels (1984), Helsinki (1985), Rome (1987), Oslo (1988), and the Congress 1990 in Glasgow. The proceedings contain 199 contributions to the MIE 91 Congress. They cover all presentations which are part of the scientific programme of MIE 91, among them 157 paper presentations with an average of five pages, 28 poster presentations again with an average of five pages, and 14 abstracts of demonstrations with an average of one page. The papers included were selected by an International Programme Committee out of over 300 submissions after careful review by at least two international reviewers (for whose estimable efforts we are especially thankful). The recommendations of the reviewers were incorporated in the final texts. Some papers were reworked by a professional translator to obtain a high quality of presentation. Several submissions could not be considered for presentation at MIE 91 because of shortage of congress time and limitations in the number of pages of the proceedings.

Computer-Aided Processes in Instruction and Research describes the course content, computer performance software developed, and the manner that they are used by each student during the design process. This book describes the database that is developed to further aid students who use the digital computer. Organized into 24 chapters, this book begins with an overview of the design of an aerospace vehicle. This text then explains the fundamentals of microcomputers and the use of computer-aided data acquisition in a mechanical measurements course. Other chapters provide a brief explanation for the heavy use of graphics, which is applied when comparing graphical input to numerical input. This book presents as well a summary of work on a project that combines computer-aided instruction (CAI) and artificial intelligence (AI). The final chapter deals with the establishment of a joint venture between universities and industry whereby the university utilizes equipment provided by industry to solve some of the existing problems. This book is a valuable resource for engineering students and practicing engineers.

This collection of the book is the result of a symposium sponsored by NATO's Defense Research Group Panel VIII in the Spring of 1985. The symposium came into being when it became obvious to the NATO countries that research, development, and utilization of advanced technologies for training was the best means of increasing both training effectiveness and efficiency. This symposium was the second in a series of three devoted to training. The series was structured to cover all aspects of learning. The first series addressed the value of training, the second one dealt with the application of training technologies and the third and last of the series focused on academic issues concerned with the effect of prior learning on subsequent learning. The fact that a major American publisher has determined that computer based instruction is the technology of greatest interest to the NATO community is not surprising. Advances in microprocessor technology have revolutionized both how and where we train. During this symposium there were a limited number of carefully chosen exhibits to demonstrate the various applications of computer based training techniques. In the following papers you will find both a practical and scientific basis for the way current and future training and training systems should be designed, applied and utilized. We know that training must be done faster and more effectively.

The focus of this volume is Heterogeneous Knowledge and Problem Solving Integration", i.e. the combined use of different knowledge representation and problem solving paradigms. This is a central topic for the design and implementation of problem solving systems, since, from a pragmatic and engineering standpoint, the solution of a large class of problems cannot take place within one single representation language or problem solving paradigm. Heterogeneous systems represent not only a pragmatic answer, but also a theoretical alternative to the homogeneous paradigms.

Taxmann's flagship publication for Students' on Income Tax & GST Laws with a specific focus on New Problems & Different Solutions. Besides illustrations & solved problems, it contains unsolved exercises based on the readers' queries received by the authors over the years. This book is an authentic, up to date & amended textbook on Income Tax problems & solutions for students of CA Intermediate (Nov. 21), CS Executive (Dec. 21), CMA (Dec. 21), B Com., M Com., MBA, and other Professional Examinations The Present Publication is the 23rd Edition, authored by Dr. Vinod K. Singhania & Dr. Monica Singhania. The legal position as amended up to 5th July 2021 is given. Practical income-tax problems are solved as per the law applicable for the assessment year 2021-22. GST problems are solved as per law amended up to 5th July 2021. The coverage of the book is as follows: Section One covers provisions of Income Tax & GST along with a guide for students to update and refresh their knowledge. Section Two covers solved problems, with a specific emphasis on typical contemporary issues of the law in the recent past. These sets of problems are unique as they have not been covered in any examination paper, nor these are found in similar print books. Section Three covers solutions to problems, similar to the unsolved exercises given in [6th Edition] of Taxmann's Students' Guide to Income-tax including GST. The idea behind this is to induce the students to solve the unsolved exercises on their own while they have a working model before them solving the right approach Also Available [65th Edition] of Taxmann's Students' Guide to Income-tax including GST (2nd Edition) Taxmann's Cracker-Cum-Compiler - Taxation with application-based MCQs & Integrated Case Studies - COMBO for Textbook, Problems & Solutions, and CRACKER The contents of this book are as follows: Basic concepts that one must know. Residential status and its effect on tax incidence. Income that is exempt from tax: Income under the head 'Salaries' and its computation. Income under the head 'Income from house property'. Income under the head 'Profits and gains of business or profession' and its computation. Income under the head 'Capital gains' and its computation. Income under the head 'Income from other sources' and its computation. Clubbing of income. Set-off and carry forward of losses. Permissible deductions from gross total income. Meaning of agriculture income and its tax treatment. Individuals – Computation of taxable income. Hindu undivided families. Firms and association of persons. Return of income. Advance payment of tax. Tax deduction and collection at source. Interest payable. GST. Appendix O Tax Rates

Health and Biomedical Informatics is a rapidly evolving multidisciplinary field, one in which new developments may prove crucial in meeting the challenge of providing cost-effective, patient-centered healthcare...
worldwide. This book presents the proceedings of MEDINFO 2015, held in São Paulo, Brazil, in August 2015. The theme of this conference is ‘eHealth-enabled Health’, and the broad spectrum of topics covered ranges from emerging methodologies to successful implementations of innovative applications, integration and evaluation of eHealth systems and solutions. Included here are 178 full papers and 248 poster abstracts, selected after a rigorous review process from nearly 800 submissions by 2,500 authors from 59 countries. The conference brings together researchers, clinicians, technologists and managers from all over the world to share their experiences on the use of information methods, systems and technologies to promote patient-centered care, improving patient safety, enhancing care outcomes, facilitating translational research and enabling precision medicine, as well as advancing education and skills in Health and Biomedical Informatics. This comprehensive overview of Health and Biomedical Informatics will be of interest to all those involved in designing, commissioning and providing healthcare, wherever they may be.

The primary purpose of this book is to trace the theoretical methodological foundations of American educational technology. It must be emphasized that this work is essentially as history of the process of educational technology rather than of products in the form of devices or media. Although media have played an important role in educational technology, the reader should not lose sight of the central process which characterizes and underlies the true historical meaning and function of educational technology. Moreover, the assumption is made that all current theory, methodology, and practice rests upon the heritage of the past. Indeed, a common problem in the field has been the failure, in many instances, to take adequate account of past history in planning for the present or the future. A related purpose of this book is to provide a selective survey of research in educational technology as it relates to the American public schools. Such research reviews are not intended to be comprehensive, but were included because of their historical importance and their relevance in understanding the process of educational technology.

The book has been primarily designed for the students of C.A. Foundation course for the subject Principles and Practice of Accounting. It has been revised as per the new updates in the syllabus and is applicable for the students appearing for CA Foundation Examination November 2019 and onwards. The book provides conceptual knowledge and understanding of various principles and systems of accounting and their practical application in different sets of business transactions.

These are the proceedings of a symposium on artificial intelligence in higher education held in Prague in October 1989. Papers describe sophisticated tutoring systems and suggestions for new curricula.

This book constitutes the refereed proceedings of the Second International Conference, SLAAI-ICAI 2018, held in Moratuwa, Sri Lanka, in December 2018. The 32 revised full papers presented were carefully reviewed and selected from numerous submissions. The papers are organized in the following topical sections: intelligence systems; neural networks; game theory; ontology engineering; natural language processing; agent based system; signal and image processing.

This book constitutes the thoroughly refereed papers of the Second International Conference on Applied Informatics, ICAI 2019, held in Madrid, Spain, in November 2019. The 37 full papers and one short paper were carefully reviewed and selected from 98 submissions. The papers are organized in topical sections on bioinformatics; data analysis; decision systems; health care information systems; IT Architectures; learning management systems; robotic autonomy; security services; socio-technical systems; software design engineering.

Offers comprehensive coverage of the issues, concepts, trends, and technologies of distance learning.

This book constitutes the refereed proceedings of the First International Conference on Knowledge Science, Engineering and Management, KSEM 2006, held in Guilin, China in August 2006 in conjunction with PRICAI 2006. The 51 revised full papers and 57 revised short papers presented together with 4 invited talks were carefully reviewed and selected from 450 submissions. The papers provide a wealth of new ideas and report current research results in the broad areas of knowledge science, knowledge engineering, and knowledge management.

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