The computer is changing the world. Business operations are also changing, sometimes very rapidly, because of the fast continuing improvement of technology. The information technology (IT) that integrates computers and telecommunication technology has revolutionized the way business is done and at present is not merely a tool for business information processing but is now looked upon as a business driver and pertinent to success and survival of the business. Therefore, in most of the business organizations (i.e. medium-size and large one) use of information technology and computers is taken for granted for doing business. The business organizations are transforming their processes with the help of information technology in order to transform them into the today’s mobile and digital economy. Moreover, electronic infrastructure and commerce are integrated in business processes around the globe as well as these days utilization of e-commerce to carry out the functions electronically over the Internet is enhancing the speed and business operations of an organization. Hence, performing an audit without using information technology is hardly an option.

Due to vital role of information processing system in business, the function of control and audit of information system is becoming important in order to safeguard assets, maintain data integrity and achieve the goal of organization effectively and efficiently. Therefore, in present scenario, it is not adequate to check the input and output of the information system in order to complete the information system audit. Chartered Accountants in India who are the acknowledged expert for the financial audit are currently facing the challenge to keep updated themselves for comprehensive information system audit and control. For the Information System Auditor, the need for audit, security, & control are critical in the areas of information technology as well as are the challenges of the present & future decades.

The objectives of the present study are - (i) to find out the requirement of the information system audit and control for an organization (especially bank); (ii) to attest the role efficacy of ICAI (Institute of Chartered Accountants of India)
professionals i.e. Chartered Accountants in computer based information system audit and control; (iii) to determine the necessity to pursue information system audit course through the ICAI Professionals i.e. Chartered Accountants; (iv) to find out the availability and use of tools and techniques related with computer assisted audit; and (v) to handover a comprehensive understanding regarding the information system audit and control through the review of literature. The present study is based on the analysis of primary data collected through questionnaires from Public Bank Managers / Officers and Chartered Accountants as well as analysis of secondary data (i.e. member’s directory) available on the ICAI website. All the data collected is suitably segregated, tabulated and analyzed with the help of appropriate formula. The available literatures on the subject have also been surveyed.

The complete study has been divided into seven chapters. The details of the chapter plan may be referred from the “Organization of the Study” depicted under the option of “Research Design and Methodology” in the first chapter “Overview of Information System Auditing”. However, for simplicity the study may be divided into four parts namely, (i) Introduction, (ii) Literature Review, (iii) Data Analysis and Interpretation, (iv) Findings, Suggestions & Conclusions.

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