

BROCHURE



# Diploma in Information System Security Audit

An Initiative of *Board of Advanced Studies & Research* - 2021



## THE INSTITUTE OF COST ACCOUNTANTS OF INDIA

Statutory Body under an Act of Parliament

[www.icmai.in](http://www.icmai.in)

Behind every successful business decision, there is always a **CMA**

## THE INSTITUTE

The Institute of Cost Accountants of India is a statutory body set up under an Act of Parliament in the year 1959. The Institute as a part of its obligation, regulates the profession of Cost and Management Accountancy, enrolls students for its courses, provides coaching facilities to the students, organises professional development programmes for the members and undertakes research programmes in the field of Cost and Management Accountancy. The Institute pursues the vision of cost competitiveness, cost management, efficient use of resources and structured approach to cost accounting as the key drivers of the profession. In today's world, the profession of conventional accounting and auditing has taken a back seat and cost and management accountants are increasingly contributing toward the management of scarce resources and applying strategic decisions. This has opened up further scope and tremendous opportunities for cost accountants in India and abroad.

After an amendment passed by Parliament of India, the Institute is now renamed as "The Institute of Cost Accountants of India" from "The Institute of Cost and Works Accountants of India". This step is aimed towards synergising with the global management accounting bodies, sharing the best practices which will be useful to a large number of trans-national Indian companies operating from India and abroad to remain competitive. With the current emphasis on management of resources, the specialized knowledge of evaluating operating efficiency and strategic

management the professionals are known as "Cost and Management Accountants (CMAs)". The Institute is the 2<sup>nd</sup> largest Cost & Management Accounting body in the world and the largest in Asia, having approximately 5,00,000 students and 85,000 members all over the globe. The Institution headquartered at Kolkata operates through four regional councils at Kolkata, Delhi, Mumbai and Chennai and 108 Chapters situated at important cities in the country as well as 10 Overseas Centres. It is under the administrative control of the Ministry of Corporate Affairs, Government of India.

## BOARD OF ADVANCED STUDIES & RESEARCH

The Board of Advanced Studies & Research has been constituted by the Institute in order to provide advanced knowledge and specialized training on various areas of Cost & Management Accountancy, including finance and other allied subjects.

The Board shall design, develop and deliver advanced courses that are of interest to Management Accountants and other professionals. It will also take up research in the area of Management Accounting and allied field of study.

Advanced courses are designed for up-gradation of existing knowledge and skills and for acquiring new knowledge and skills. The courses aim to prepare practicing members and professionals to take up new areas of practice and consultancy and for members/professionals in industry to shoulder higher responsibilities.

## Messages



I am delighted to share that the first batch of 'Diploma in Information System Security Audit (DISSA)' Course will commence soon for the benefit of the students and members of the Institute. Participants can access the course modules from remote places through the DISSA Portal.

We have received an overwhelming response from the students and members across the country about the Course and will soon announce the date for commencement of the batch.

**CMA P. Raju Iyer**  
Vice President  
The Institute of Cost Accountants of India



I am very much confident that participants of this first batch of 'Diploma in Information System Security Audit (DISSA)' Course will experience an engaging journey by exploring the latest information and tools to develop and shape a well-directed professional career in the Cost and Management Accountancy domain.

I am thankful for the continuous efforts by CMA Debasish Mitra, Council Member & Chairman, Board of Advanced Studies & Research and his team to launch innovative and extremely useful courses for the members & students. I am sure that participants will take maximum benefit out of it to reorient their professional career in the right direction.

**CMA Biswarup Basu**  
President  
The Institute of Cost Accountants of India



The Board of Advanced Studies & Research is delighted to launch the 1st batch of 'Diploma in Information System Security Audit (DISSA)' Course Pan India. The Course is now available in Online Platform in order to facilitate the participants to access the Course contents with a more personalized touch even from remote places. This remote access to DISSA contents will reach the unreached and will create an opportunity to study and practice its various technical sessions on a 24 X 7 hour basis. Moreover, we are providing adequate online sessions by expert faculty members to train the participants.

We are very much grateful to our beloved President, Vice President and Council Members of the Institute for their keen support and cooperation to start the DISSA Course in Online Platform for the benefit of the members and final level CMA students.

Wish you all the very best in all of your future professional endeavors.

**CMA Debasish Mitra**  
Chairman - Board of Advanced Studies & Research  
The Institute of Cost Accountants of India

# DIPLOMA IN INFORMATION SYSTEM SECURITY AUDIT (DISSA)

## DISSA Course Overview

**D**iploma in Information System Security Audit (DISSA) Course provides candidates with the knowledge and skills to assess the Internal Control Environment (ICE) of information systems and perform sophisticated auditing techniques of those systems. In a digitised world, as the breadth of information technology continues to grow, the importance of protecting the organization's information from internal and external threats grows at an even more rapid pace. This growth provides a high demand for qualified individuals with a back-ground in DISSA. Cost & Management Accountants qualified as Information System Security Auditors (ISSA) can apply for roles such as: Compliance Analyst, Internal Auditor, IT Auditor, Audit/Assurance Services Associate, Risk Advisory Services Specialist, Web Security Specialist apart from providing professional IS Audit services as a practising Cost Accountant. The Programme aims to build capabilities among the participants to take these emerging challenges and to perform assignments in auditing and evaluation in a complete IT environment using IT tools.

The DISSA course combines latest technology, information assurance and information management expertise that enables an ISSA to become a trusted Information Technology advisor and provider of IS Assurance services. ISSA course aspires to create new generation systems auditors who can deliver value added services in the field of information systems to all entities – Banks, Corporate Sector, Regulator etc irrespective of their size, nature and scope of business.

## The Need

- ⦿ Businesses have become highly dependent on modern and complex Information Systems for conducting business transactions & taking critical decisions

- ⦿ IT Governance and Security has become more critical to ensure confidentiality, integrity and availability of business information for decision making
- ⦿ Institute of Cost Accountants of India has always played an important role in the area of audits, advising on systems & processes and empower business decision-making
- ⦿ Institute sees opportunity in building capabilities in the area of Information System Security Audit and provide assurance to business stakeholders on their IT System

## Course Objectives

To equip CMAs with unique body of knowledge and skill - sets so that they can become Information System Security Auditors (ISSA) who are technologically adept and are able to utilize and leverage technology to become effective in their professional assignments to add value to clients, customers and employers. The enabling focus has been on providing hands on training, live case studies and practical exposure.

## Key Features

- ⦿ 100 hours of content provides in-depth learning on the risk, controls & security audit of modern Information System by industry experts with practical experience
- ⦿ Divided into three broad areas of Information System Security Audit:
  - ▲ Overview of IS, Security Framework, Business Continuity, Cyber Security and Business Applications
  - ▲ Applicability of above learnings in Banking Sector and SAP environment
  - ▲ Cloud Computing Management Audit
- ⦿ Combines 80 hours of Live session with 20 hours of e-learning

## Who Can be Benefitted

- ⦿ Practicing CMAs responsible to audit in a highly computerized environment can deliver system risk and control insights to client(s) after taking this course
- ⦿ Practicing CMA professionals can expand their practice in the area of Security Audit after completing the course
- ⦿ Employed CMAs who are responsible for designing, implementing and reviewing Information System of their organisation
- ⦿ Employed CMAs in Finance & Audit department can provide better insights on risk and controls to their organisation
- ⦿ Final level CMA Students to provide them an opportunity to acquire knowledge of the subject to make them future-ready professionals

## Course Content & Duration

### INFORMATION SYSTEMS AUDIT

Weightage - 80%      80 Hours

- ⦿ Overview of IS Security & Audit
- ⦿ Compliance and Security Framework
- ⦿ Business Continuity & Disaster Recovery
- ⦿ Cyber Security and Cyber Forensics
- ⦿ Business Application – Acquisition, Development & Implementation
- ⦿ IT Audit in Banking Sector
- ⦿ IT Audit in SAP Environment

### CLOUD COMPUTING MANAGEMENT AUDIT

Weightage - 20%      20 Hours

- ⦿ Understanding Cloud Computing
- ⦿ Adopting the Cloud
- ⦿ Calculating the Financial Implications
- ⦿ Migrating to the Cloud



INFORMATION SYSTEM SECURITY AUDIT

## Course Fees & Eligibility

- ⊙ **Basic Course Fees - Rs. 20,000/- + 18% GST**
- ⊙ **Discounted Course Fees -**
  - ▲ **Qualified CMAs - Rs. 18,000/- + 18% GST**
  - ▲ **Final level CMA Students - Rs. 15,000/- + 18% GST**

### Online Assessment:

- ⊙ Online Assessment will be conducted in the MCQ pattern at the end of the Course
- ⊙ Assessment duration: 2 hrs. for 100 marks (max.)
- ⊙ The participant has to secure at least 50% marks to qualify
- ⊙ Assessment Fees: Rs. 1000/- + 18% GST for every attempt

## COURSE DIRECTOR

**CMA (Dr.) Debaprosanna Nandy**

Sr. Director - Advanced Studies

✉ [advstudies.director@icmai.in](mailto:advstudies.director@icmai.in)



## BOARD OF ADVANCED STUDIES & RESEARCH THE INSTITUTE OF COST ACCOUNTANTS OF INDIA

Statutory Body under an Act of Parliament

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