155th International Training Programme

On

**Auditing in IT Environment**

**(21st August to 15th September, 2023)**

**Course Schedule**

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| 155 ITP I Week: Audit of Information Systems | | | | | |
| **Date & Day** | **Session I  10:00-11:15** | **Session II  11:45-13:00** | | **Session III  14:00-15:15** | **Session IV  15:45-17:00** |
| **21-08-2023 Monday** | Briefing & Ice-breaking session | Introducing India/ Presentation by SAI India participant | | **Inauguration** | |
| **22-08-2023 Tuesday** | Digitisation in Public Sector in India | | | IS Governance & Management -IS & IS Security Frameworks, Capability maturity model | Frameworks for conducting audit of Information Systems: Standards and Guidance |
|  | **Dr. Kshitij Kushagra, Additional Director/Scientist E**  **MeitY** | | | **Mr. K Srinivasan, Retd. Deputy CAG** | |
| **23-08-2023 Wednesday** | IS Application Controls | | | Acquisition, Development and Implementation of Systems | |
|  | **Ms. Sowmini S, Senior Audit Officer** | | | **Mr Gaurav Rai, Director IS-I** | |
| **24-08-2023 Thursday** | **Information systems auditing process** : Risk-Based approach to IS Audit Planning & Audit process activities | | | **Information Security**: - Concepts, Risks, Attacks, Goals for Security & Network & Application Security IS | |
|  | **Ms. Suhasini Gotmare, Principal Director** | | | **Colonel Inderjeet Singh , Vara Technologies** | |
| **25-08-2023 Friday** | OWASP Top 10 vulnerabilities and Web Application Security | | **IS Operations and Business Resilience**- A case study | **Integrity issues in IT Systems**: A case study on e-Procurement | |
|  | **Colonel Inderjeet Singh , Vara Technologies** | | **Mr. Sanjiv Arora, Ex-President, ISACA, New Delhi** | **Mr. Abraham Judah Cephas A, DAG, O/o the Pr. Accountant General (Audit-I), Tamil Nadu, Chennai** | |
| **26-08-2023 Saturday** | **Visit to Agra** | | | | |
| **27-08-2023 Sunday** | **Social programme/Activity** | | | | |

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| 155 ITP II Week: Computer Assisted Audit Tools | | | | | |
| **Date & Day** | **Session I  10:00-11:15** | **Session II  11:45-13:00** | **Session III  14:00-15:15** | | **Session IV  15:45-17:00** |
| **28-08-2023 Monday** | Introduction to Data Analytics and use of Statistical Concepts in Data Analytics | | **Country papers on “Auditing in IT Environment” of respective SAIs/ Organisations** | | |
| **Mr. Karan Vohra, Dy. Director, O/o the C&AG of India, New Delhi** | |
| **29-08-2023 Tuesday** | Data Extraction and  Data Cleansing : Tools & Techniques | Application of MS Excel in Audit: Data-Applying Custom Formats and Layouts, Advanced  Conditional Formatting and Filtering:- Hand on Session | Application of MS Excel in Audit:  Advanced Formulas, Look Up Data with Function, Pivot Tables and Pivot Charts: Hand on Session | | Application of MS Excel in Audit: case study/ Studies |
| **Mr. Rohit Anand, Sr. Administrative Officer, O/o the Director General of Audit (Central Receipt), New Delhi** | | | | |
| **30-08-2023 Wednesday** | Application of Tableau in Audit:-Connecting to data, Simplifying and sorting data, organizing data, measures and dimensions, filters, simple graphs and charts, hierarchies, slicing data by date- Hands on Session & case studies | | Application of Tableau in Audit:- Interactive dashboards and stories | | |
| **Mr. Gowthaman R, Dy. Director, O/o PDA, Industry & Corporate Affairs, New delhi** | | | | |
| **31-08-2023 Thursday** | **Country papers on “Auditing in IT Environment” of respective SAIs/ Organisations** | | Application of Power BI Tool in Audit | | |
| **Mr. Piyush Tiwari, AAO, iCISA Noida** | | |
| **01-09-2023 Friday** | Application of IDEA in Audit: Grouping, Sorting, Indexing, Control totals: Hands on Sessions | | Application of IDEA in Audit: Extraction, Summarization, Stratification, Ageing & Charting:- Hands on Sessions | Application of IDEA in Audit: case study/ Studies | |
| **Mr. M. P. Hemantha Kumar, Sr. AO, O/o the C&AG of India, New Delhi** | | | | |
| **02-09-2023 Saturday** | **Delhi Visit** | | | | |
| **03-09-2023 Sunday** | **Social programme/Activity** | | | | |

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| 155 ITP III Week: Study Tour and Case Studies | | | | |
| **Date & Day** | **Session I  10:00-11:15** | **Session II  11:45-13:00** | **Session III  14:00-15:15** | **Session IV  15:45-17:00** |
| **04-09-2023 Monday** | Application of Data Analytics Tool KNIME in Audit: Building Basic Workflow, Data manipulation: Hands on Session | Application of Data Analytics Tool KNIME in Audit: Data type conversion (Data preparation), Treating Missing values, Statistical Analysis and deriving insights about the dataset , Data downloading sorting errors:- Hands on Session | Application of Data Analytics Tool KNIME in Audit -Distribution of workflows: Predictive Analysis using KNIME: :- Hands on Session | Application of Data Analytics tool KNIME in Audit : case study/ Studies |
| **Mr. Deepak Viswanathan, SAO, O/o PDA Central, Kochi** | | | |
| **05-09-2023 Tuesday** | **Theme Country** | | Audit of Integrated Financial Management System (IFMS):- A case study | |
|  | | **Mr. J J S Anand, SAO, O/o RCBKC, Bengaluru** | |  |
| **06-09-2023  Wednesday** | **Study Tour to Jaipur**  **(Includes visit to ……………………among other things)** | | | |  | **Mr. Shivaji Chauhan, ACP, Delhi**  **,** | **Mr. Shashank Shekhar, Asst. Administrative Officer, Office of the Pr. Accountant General (Audit), New Delhi** |
| **07-09-2023 Thursday** (Holiday on the occasion of Birthday of Lord Krishna) |
| **08-09-2023 Friday** |
| **09-09-2023 Saturday** |
| **10-09-2023 Sunday** | **Social programme/Activity** | | | |

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| 155 ITP IV Week: Emerging Technologies and Use of Technology in Audit | | | | | |
| **Date & Day** | **Session I  10:00-11:15** | **Session II  11:45-13:00** | | **Session III  14:00-15:15** | **Session IV  15:45-17:00** |
| **11-09-2023 Monday** | One IA&AD One System - SAI India IT initiatives | | | **Country papers on “Auditing in IT Environment” of respective SAIs/ Organisations** | |
| **Ms. R Monica, Director (IS-IV), O/o CAG of India** | | |
| **12-09-2023 Tuesday** | Centralised Information Technology Billing System Being Operated by State Power Utilities in Uttar Pradesh | | | Field visit to GSTN | |
| **Ms. Hansha Mishra Director, iCISA , Shri Sandeep Jaiswal, Sr AO & Sh. Abhinav , AAO** | | |
| **13-09-2023 Wednesday** | Big Data & Data Analytics: Significance for Auditing | | Big Data & Data Analytics: Guidance for SAIs | Audit of Dial 100 | |
| **Mr. Naveen Kumar Bhansali, Chief Technology Officer, BlitzAL. And Adjunct faculty IIM Bangalore, Karnataka** | | | **Mr D P Sahu** | |
| **14-09-2023 Thursday** | Introduction to Block Chain Technology: Concepts, Use of Block chain in Government | | | Use of Artificial Intelligence in Public Sector | |
| **Mr. Mohanraj Polurbalu**  **Rapid Qube Digital Solutions** | | | **Ms. Sharmistha Dasgupta Deputy Director General / Scientist-G ,  Sh. Mrityunjaya Singh, Scientist F`, NIC** | |
| **15-09-2023 Friday** | Audit of GSTN | | | **Valediction** | |
| **Mr. S Vijay, Director, GST & Customs** | | |