***International Centre for Information Systems & Audit (iCISA)***

Course Schedule of National Training Programme on

**“IS Audit and Data Analytics”** (For IA&AS officer Trainees-2022 Batch)

**(26th to 30th September, 2023)**

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| **Date** | **Topics** | **Time(in hrs)** |
| **26th September (Tuesday) (Day-1)** |
| **Registration of Participants** (Room No. – 111) | 9:30 – 09:45 |
|  | Inauguration | 9:45 – 10:15 |
| **Session 1 (Day 1)** | **Information systems auditing process** : Risk-Based approach to IS Audit Planning & Audit process activities | 10:15 – 11:30 |
|  | **Mr. Vikash Kumar, Director (IS-II), O/o the C&AG of India, New Delhi** |  |
| **Break** | 11:30 – 11:45 |
| **Session 2 (Day 1)** | Information Asset Security Frameworks, Standards and Guidelines | 11:45 – 13:00 |
|  | **Mr. Sanjiv Arora, Ex-President, ISACA, New Delhi** |  |
| **Lunch Break**  | 13:00 – 14:00 |
| **Session 3 (Day 1)** | **IS Security:** - Concepts, Risks, Attacks, Goals for Security, Network & Application Security, OWASP Top 10 vulnerabilities and Web Application Security, IS Security Testing and Monitoring Tools & Techniques, Mobile, Wireless and Internet of Things (IoT) Devices, Virtualised Environment  | 14:00 – 15:15 |
|  | **Colonel Inderjit Singh, Vara Technologies** |  |
| **Break** | 15:15 – 15:45 |
| **Session4****(Day 1)** | **IS Security** - Concepts, Risks, Attacks, Goals for Security, Network & Application Security, OWASP Top 10 vulnerabilities and Web Application Security, IS Security Testing and Monitoring Tools & Techniques, Mobile, Wireless and Internet of Things (IoT) Devices, Virtualised Environment  | 15:45 – 17:00 |
|  | **Colonel Inderjeet Singh , Vara Technologies** |  |
| **27th September (Wednesday) (Day 2)** |
| **Session 1 (Day 2)** | Audit of IS Controls (General & application Controls): A case Study | 10:00 – 11:15 |
|  | **Mr. Rajiv Sharma, Vice president ,ISACA** |  |
|  | **Break** | 11:15 – 11:45 |
| **Session 2 (Day 2)** | **Protection of Information Asset**: - Confidentiality, Integrity and Non-Reputability, Availability of Data,, Data Privacy Data Classification, Data Encryption and Encryption Related Techniques, Public Key Infrastructure, Identity and Access Management, Physical Access & Environmental control | 11:45 – 13:00 |
|  | **Mr. Rajiv Sharma, Vice president ,ISACA** |  |
| **Lunch Break** | 13:00 – 14:00 |
| **Session 3 (Day 2)** | Audit of Integrated Financial Management System: A case study | 14:00 – 15:15 |
|  | **Mr. Sandeep Dabur, Director, O/o the PDA (Air Force), New Delhi** |  |
| **Break** | 15:15 – 15:45 |
| **Session 4 (Day 2)** | Use of Remote Sensing/ GIS in Audit: An overview & Case Study | 15:45 – 17:00 |
|  | **Mr. Gautam Gahlaut, Sr. Audit Officer,**  **O/o the DGA (E&SD)****New Delhi** |  |
|  | **28th September, 2023 (Holiday on Milad-un-Nabi)** |  |
| **29th September (Friday) (Day 3)** |
| **Session 1 (Day 3)** | Data Analytics & Application of Data Analytic Tool Tableau in Audit- An Overview | 10:00 – 11:15 |
|  | **Mr. Abraham Judah Cephas A, DAG, O/o the Pr. Accountant General (Audit-I), Tamil Nadu, Chennai** |  |
| **Break** | 11:15 – 11:45 |
| **Session 2****(Day 3)** | Application of Data Analytic Tool Tableau in Audit: Hands on Sessions | 11:45 – 13:00 |
|  | **Mr. Abraham Judah Cephas A, DAG, O/o the Pr. Accountant General (Audit-I), Tamil Nadu, Chennai** |  |
| **Lunch Break** | 13:00 – 14:00 |
| **Session 3****(Day 3)** | Application of Data Analytic Tool Tableau in Audit: Hands on Sessions | 14:00 – 15:15 |
|  | **Mr. Abraham Judah Cephas A, DAG, O/o the Pr. Accountant General (Audit-I), Tamil Nadu, Chennai** |  |
| **Break** | 15:15 – 15:45 |
| **Session 4****(Day 3)** | Application of Data Analytic Tool Tableau in Audit- A case Study | 15:45 – 17:15 |
|  | **Mr. Abraham Judah Cephas A, DAG, O/o the Pr. Accountant General (Audit-I), Tamil Nadu, Chennai** |  |
| **30th September (Saturday)(Day 4)**  |
| **Session 1 (Day 4)** | Introduction to OIOS | 10:00 – 11:15 |
|  | **Ms. R Monica, Director (IS-IV), O/o the C&AG of India, New Delhi** |  |
| **Break** | 11:15 – 11;30 |
| **Session 2 (Day 4)** | Introduction to Block Chain Technology: Concepts, Use of Block chain in Government, Auditing in Block chain environment | 11:30 – 12:45 |
|  | **Dr. Pratima Sharma, Assistant Professor, Bennett University** |  |
|  | **Lunch Break** | 12:45 – 13:30 |
| **Session 3 (Day 4)** | Application of Artificial Intelligence & Machine Learning in Audit: A case Study | 13:30 – 14:45 |
|  | **Mr. Karan Vohra, Dy. Director (CDMA), O/o the C&AG of India, New Delhi**  |  |
| **Break** | 14:45 – 15:00 |
| **Session 4 (Day 4)** | IT Project Assignment | 15:00 – 16:30 |
|  | **Mr. Vikash Kumar, Director (IS-II), O/o the C&AG of India, New Delhi & Mr. Karan Vohra, Dy. Director** |  |
|  | **Valediction** | 16:30 |