International Centre for Information Systems & Audit (iCISA), Noida

Course Schedule of National Training Programme on

**“IS Audit and Data Analytics”** (For IA&AS officer Trainees-2020 Batch)

31st August, 2021 to 4th September, 2021

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| **Date** | **Topics** | **Time** |
| **31st August 2021 (Day-1)** |
| **Registration of Participants** (Room No. – 111) | 9:30 – 09:45 |
|  | Inauguration | 9:45 – 10:15 |
|  | **Mr. K. Srinivasan, Addl. CTO and DG, iCISA** |
| **Session 1 (Day 1)** | Framework and governance of Digitization in Government of India | 10:15 – 11:30 |
|  | **Mr. K. Srinivasan,****Additional Chief Technology Officer & DG (iCISA)** |  |
| **Break** | 11:30 – 11:45 |
| **Session 2 (Day 1)** | Introduction to IT Audit in the Digital World  | 11:45 – 13:00 |
|  | **Mr. K. Srinivasan,****Additional Chief Technology Officer & DG (iCISA)** |  |
| **Lunch Break**  | 13:00 – 14:00 |
| **Session 3 (Day 1)** | Systems Thinking  | 14:00 – 15:15 |
|  | **Dr. L.S. Ganesh, Professor (Retd.), IIT, Madras****& Mr. T. S. Hariharan, Instructor of Business Data Management and Business Analytics, IIT Madras** |  |
| **Break** | 15:15 – 15:45 |
| **Session4****(Day 1)** | Systems Thinking | 15:45 – 17:00 |
|  | **Dr. L.S. Ganesh, Professor (Retd.), IIT, Madras****& Mr. T. S. Hariharan, Instructor of Business Data Management and Business Analytics, IIT Madras** |  |
| **1st September 2021 (Day 2)** |
| **Session 1 (Day 2)** | Introduction to IT & IT Security Related Frameworks:1. CoBIT Version 5.0 framework
2. ISOs – 27000 Series (Security); 38500 Series (IT Governance); 20000 Series (IT Services Management)

 c. Capability Maturity Model (CMM – SEI) | 10:00 – 11:15 |
|  | **Mr. K. Srinivasan, Addl. CTO and DG, iCISA** |  |
|  | **Break** | 11:15 – 11:45 |
| **Session 2 (Day 2)** | Introduction to Big Data & Analytics | 11:45 – 13:00 |
|  | **Mr. Gaurav Rai, Dy. Director &Ms. Niti Sethi, Consultant, CDMA, O/o the C&AG of India, New Delhi** |  |
| **Lunch Break** | 13:00 – 14:00 |
| **Session 3 (Day 2)** | Vaahan/ Sarathi- Using centralized data for audit | 14:00 – 15:15 |
|  | **Mr. Gaurav Rai, Dy. Director & Ms. Niti Sethi, Consultant, CDMA, O/o the C&AG of India, New Delhi**  |  |
| **Break** | 15:15 – 15:45 |
| **Session 4 (Day 2)** | Use of Data Analysis in audit of GST - Case Study | 15:45 – 17:00 |
|  | **Mr. Rohit Anand, Sr. Administrative Officer** |  |
| **2nd September 2021 (Day 3)** |
| **Session 1 (Day 3)** | Introduction to IT applications in IA&AD  | 10:00 – 11:15 |
|  | **Mr. K. R.Sriram,** **Deputy Comptroller and Auditor General (CRA) and CTO** |  |
| **Break** | 11:15 – 11:45 |
| **Session 2****(Day 3)** | Introduction to OIOS- features and uses | 11:45 – 13:00 |
|  | **Ms. Shubhangi, Director****&Mr. Sadhashiv Ranade, Sr. Administrative Officer** |  |
| **Lunch Break** | 13:00 – 14:00 |
| **Session 3****(Day 3)** | Introduction to OIOS- Workflow for an audit assignment | 14:00 – 15:15 |
|  | **Ms. Shubhangi, Director****& Mr. Sadhashiv Ranade, Sr. Administrative Officer** |  |
| **Break** | 15:15 – 15:30 |
| **Session 4****(Day 3)** | Introduction to OIOS- Using toolkit for audits & KMS for knowledge sharing | 15:30 – 16:30 |
|  | **Mr. Sadhashiv Ranade, Sr. Administrative Officer****&Mr. Mukesh Kumar, Asstt. Administrative Officer** |  |
| **Session 5****(Day 3)** | Sharing of experience from Management perspective  | 16:30 – 17:00 |
|  | **Mr. LAC Singh, Dy. CAG (Report Central)** |  |
| **3rd September 2021 (Day 4)**  |
| **Session 1 (Day 4)** | Using Alternative data in Audit | 10:00 – 11:15 |
|  | **Mr. Karthik Ranganathan, Managing Partner, Adqvest** |  |
| **Break** | 11:15 – 11:45 |
| **Session 2 (Day 4)** | Using Alternative data in Audit | 11:45 – 13:00 |
|  | **Mr. Karthik Ranganathan, Managing Partner, Adqvest** |  |
|  | **Lunch Break** | 13:00 – 14:00 |
| **Session 3 (Day 4)** | Case Study: Use of Remote sensing in Audit | 14:00 – 15:15 |
|  | **Ms.Monica R, Director****& Mr. K. Surjith, Dy. Accountant General** |  |
| **Break** | 15:15 – 15:45 |
| **Session 4 (Day 4)** | Introduction to Block Chain Technology: Concepts, Use of Block chain in Government, Auditing in Block chain environment- Possible challenges | 15:45 – 17:00 |
|  | **Dr. Mani Madhukar****Program Manager – University Relations, IBM Pvt. Ltd.**  |  |
| **4th September 2021 (Day 5)** |
| **Session 1 (Day 5)** |  IS Security threats (OWASP-10)  | 10:00 – 11:15 |
|  | **Mr. Devjeet Singh, Information Security Analyst** |  |
| **Break** | 11:15 – 11:30 |
| **Session 2****(Day 5)** | IS Security Testing and Monitoring tools and techniques | 11:30 – 12:45 |
|  | **Mr. Devjeet Singh, Information Security Analyst** |  |
|  | **Lunch Break** | 12:45 – 13:30 |
| **Session 3 (Day 5)** | Introduction of IT Audit projects - Breakout sessions | 13:30 – 14:30 |
|  | **Mr. Vikash Kumar, Director, Ms. Monica R, Director,****Mr. Raghvendra Singh, Director, Mr. Gaurav Rai, Dy. Director,****Ms. Shubhangi, Director** |  |
|  | **Valediction** | 14:30 – 15:00 |