



Draft Course Schedule NTP on
“Data Analytics”
 (for IDAS Officers)
 (18th to 22nd April, 2022)

Date	Topic	Time
18.04.2022		
	<i>Registration of Participants (Room No – III)</i>	09:45 — 10:00
	Inauguration	10:00 — 10:15
Session 1 (Day 1)	Introduction to Application of Data Analytics tools in Audit	10.15 - 11:15
	Mr. Dattaprasad Shirsat, Director & Mr. Pankaj Verma, Director	
	Break	11:15 - 11:45
Session 2 (Day 1)	Introduction to Data Analytics	11:45 - 13:00
	Mr. Gaurav Rai, Director (CDMA) & Ms. Niti Sethi, Consultant (CDMA)	
	Lunch Break	13:00 - 14:00
Session 3 (Day 1)	Use of Statistical concepts in Data Analytics	14:00 - 15:15
	Mr. Gaurav Rai, Director (CDMA) & Ms. Niti Sethi, Consultant (CDMA)	
	Break	15:15 – 15:45
Session 4 (Day 1)	Dealing with different types of data using different Data Analytics tools	15:45 – 17:00
	Mr. Gaurav Rai, Director (CDMA) & Ms. Niti Sethi, Consultant (CDMA)	
19.04.2022		
Session 1 (Day 2)	Application of MS Excel in Audit: Applying Custom Formats and Layouts, Advanced Conditional Formatting and Filtering	10:00 – 11:15
	Mr. Anurag Krishna, Assistant Administrative Officer	
	Break	11:15 – 11:45
Session 2 (Day 2)	Application of MS Excel in Audit: Advanced Formulas, Look Up Data with Function	11:45 – 13:00
	Mr. Anurag Krishna, Assistant Administrative Officer	
	Lunch Break	13:00 – 14:00
Session 3 (Day 2)	Application of MS Excel in Audit: Grouping, Pivot Tables and Pivot Charts. Interactive Excel dashboard	14:00 – 15:15
	Mr. Anurag Krishna, Assistant Administrative Officer	
	Break	15:15 – 15:45
Session 4 (Day 2)	Application of MS Excel in Audit: A case study	15:45 – 17:00
	Mr. Sandeep Dabur, Director	
20.04.2022		
Session 1 (Day 3)	Overview of Tableau: Understanding Tableau, Terminology, connecting to data	10:00 – 11:15

	Mr. Deepak Viswanathan, Senior Administrative Officer	
	Break	11:15 - 11:45
Session 2 (Day 3)	Visualisation using Tableau	11:45 – 13:00
	Mr. Deepak Viswanathan, Senior Administrative Officer	
	Lunch Break	13:00 – 14:00
Session 3 (Day 3)	Statistical Analysis using Tableau	14:00 – 15:15
	Mr. Deepak Viswanathan, Senior Administrative Officer	
	Break	15:15 – 15:45
Session 4 (Day 3)	Use of Tableau in Audit: A case Study	15:45 – 17:00
	Mr. Gautam Gahlaut, Senior Audit Officer	
21.04.2022		
Session 1 (Day 4)	KNIME: A Broad Overview; Build a basic workflow	10:00 – 11:15
	Mr. Gaurav Kumar Ome, Assistant Administrative Officer	
	Break	11:15 – 11:45
Session 2 (Day 4)	KNIME: Data downloading sorting errors	11:45 – 13:00
	Mr. Gaurav Kumar Ome, Assistant Administrative Officer	
	Lunch Break	13:00 – 14:00
Session 3 (Day 4)	KNIME - Data type conversion, Treating Missing values, Statistical Analysis and deriving insights about the dataset, Data preparation & Extraction	14:00 – 15:15
	Mr. Gaurav Kumar Ome, Assistant Administrative Officer	
	Break	15:15 – 15:45
Session 4 (Day 4)	KNIME - Data type conversion (Data preparation), Treating Missing values, Statistical Analysis and deriving insights about the dataset, Data preparation & Extraction	15:45 – 17:00
	Mr. Gaurav Kumar Ome, Assistant Administrative Officer	
22.04.2022		
Session 1 (Day 5)	Application of Statistical concepts in Knime using Defence Pension Data; Deriving insights from Defence Pension Data	10:00 – 11:15
	Mr. Gaurav Kumar Ome, Assistant Administrative Officer	
	Break	11:15 – 11:45
Session 2 (Day 5)	Distribution of workflows: Predictive Analysis using KNIME	11:45 – 13:00
	Mr. Gaurav Kumar Ome, Assistant Administrative Officer	
	Lunch Break	13:00 – 14:00
Session 3 (Day 5)	Data Visualisation using KNIME-A case study	14:00 – 15:15
	Mr. Gaurav Kumar Ome, Assistant Administrative Officer	
	Valediction	15:15 to 16:00