

**REGIONAL CAPACITY BUILDING AND KNOWLEDGE INSTITUTE,
JAIPUR**

“Data Analytics Visualization and Presentation Skills”

From 23.09.2024 to 27.09.2024

PROGRAMME			
SESSION TIMINGS		NON-SESSION TIMINGS	NON-SESSION DAYS
I 10.00 AM to 11.15 AM II 11.45 AM to 01.00 PM III 02.00 PM to 03.15 PM IV 03.45 PM to 05.00 PM		Tea Break: 11.15 AM to 11.45 AM Lunch Break: 01.00 PM to 02.00 PM Tea Break: 03.15 PM to 03.45 PM	--Nil--
DATE & DAY	SESSION	TOPIC	FACULTY
23.09.2024 (Monday) Day 1	10 AM	Inauguration by Principal Director	
	I	Introduction to Data Analytics Basic Concepts: Data, types of data: String, numeric, date; types of analytics.	Sh. Puneet Kumar Sharma, Core Faculty/RTI Jaipur
	II	KNIME: A Broad overview; Build a basic workflow; Understanding Nodes	
	III	Reading data of different file types	Sh. Vinod Sencha, Core Faculty/RTI Jaipur
	IV	ETL Operations: • Data type conversion (Data preparation) Data downloading and sorting, error	
24.09.2024 (Tuesday) Day 2	I & II	ETL Operations : • Filtering; Treating Missing values, Duplicate records • Top/bottom record etc	Sh. Mahesh Kumawat, AAO(A&E) Jaipur
	III & IV	Statistical Analysis and deriving insights about the dataset	Sh. Vinod Sencha, Core Faculty/RTI Jaipur
25.09.2024 (Wednesday) Day 3	I	• Using writer node to export data, Export data workflow	Sh. Puneet Kumar Sharma, Core Faculty/RTI Jaipur
	II	• Reading from (XML, CSV, text) in Knime • Hands on exercise	Sh. Vinod Sencha, Core Faculty/RTI Jaipur
	III	• Exploring various charts available in Knime : Box Plot, Scatter Plot, Correlation etc	
	IV	• Hands on session (Case Study)	

26.09.2024 (Thursday) Day 4	I & II	<ul style="list-style-type: none"> Principles of Visualisation- Consolidation of Concepts Data Analytic Principles and Approaches Different type of charts and there properties 	Sh. Mahesh Kumawat, AAO(A&E) Jaipur
	III & IV	<ul style="list-style-type: none"> Tableau Data downloading Database Connectivity Manipulation Dimensions and measures Visualisation, discrete and continuous Calculated fields Filters Hierarchy 	Sh. Srikant, AAO PAG(Audit-I), Jaipur
27.09.2024 (Friday) Day 5	I & II	Tableau Exercise/ Case Study: <ul style="list-style-type: none"> Analysing data, Deriving Insights; Identifying risk areas, building dashboards 	Sh. Rajesh Singh, AAO PAG(Audit-I), Jaipur
	III	Other features in Tableau: Story; Distribution of workbooks Case study with Tableau	Sh. Rajesh Singh, AAO PAG(Audit-I), Jaipur
	IV	End Course Assessment & Valediction	