National Institute of Electronics & Information Technology
Gorakhpur – Extension Centre Lucknow
(Ministry of Electronics and Information Technology, Government of India)
MMMUT Campus, Deoria Road, Gorakhpur-273010
http://www.nielit.gov.in/gorakhpur/

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Digital India
Power To Empower

R Programming

R Programming
4 Weeks In-Campus Course

Duration: - 4 Weeks (40 Hours)
Batch Size: 30
Medium of Instruction: Bilingual (English & Hindi)

Objective

Through this training, student will gain knowledge in R Programming – Data Type, Control Structures, Array and Factor Manipulation, Function, Packages, Data Frames and Visualization. After the course, student will master the essential of R Programming.

Eligibility

10+2 qualified with Basic Knowledge of Computers and Programming Language.

Prerequisite

Basic Knowledge of Computers and Programming Language

Course Fees

Rs. 4720/- incl. GST & all other charges.

Certificate

Certificate will be provided to the participants, based on minimum 75% attendance and on performance (minimum 50% marks) in the online test, conducted at the end of the course.

Methodology

✓ Instructor-led offline classes.
✓ Instructor-led hands-on lab sessions.
✓ Content Access through e-Learning portal.
✓ Assessment and Certification

How to Apply?

Step-1: Read the course structure & course requirements carefully.

Step-2: Visit the Registration portal (https://regn.nielitvte.edu.in/) and click on apply button.

Step-3: Create your login credentials and fill up all the details, see the preview and submit the form.

Step-4: Login with your credentials to verify the mobile number, email ID and then upload the documents, Lock the profile and Pay the Fees online, using ATM-Debit Card / Credit Card / Internet Banking / UPI etc.

Course Content

Day	Topic	Day	Topic	Day	Topic
Day #01	Introduction to R, Installation of R and setting Environment Variable, Basic Types	Day #02	Introduction to Literals & Constants, Types of Literals	Day #03	R-Operators – Arithmetic, Relational , Logical , Assignment
Day #04	R Flow Control Statement , Branching - If , If else, ifelse()	Day #05	Looping Control Structure – while , Using break & Continue with While Statement, Looping Control Structure – repeat loop	Day #06	For Loop , break Nested Loops – while , repeat, for
Day #07	R Data Structure – Vector, Matrix, List , DataFrame, Factor R Vector , R Matrix	Day #08	R List R DataFrame	Day #09	R Factor R Table
Day #10	R Built-in Function	Day #11	R User Defined Function	Day #12	R Function Argument Types R Variable Scope
Day #13	R Infix Operator R Switch Function	Day #14	R Objects & Class Inheritance	Day #15	R Objects & Class Inheritance
Day #16	Graph Plotting Bar Chart Histogram Chart Pie Graph	Day #17	Box Chart , Strip Chart, Plot Function, Sub Plot Saving plot, Color in Graphs	Day #18	Statistics for Data Science, Mean , Median , Mode, Standard Deviation , Variance
Day #19	Data Science Concepts, Framing the problem, Data analysis and Visualizing results	Day #20	Machine Learning Basics, Types of machine learning, Application of Machine Learning		

Course Coordinator
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