Course: Introduction to R Software

Course Code: noc21-ma75

Session: 2020-21

Duration: 8 Weeks

Assessment procedures: Weekly Assignment (25%) + proctored certification Exam (75%)

Curriculum of the Course:

Week 1: Fundamentals, installation and use of software, data editing, use of R as a calculator, functions and assignments.
Week 2: Use of R as a calculator, functions and matrix operations, missing data and logical operators.
Week 3: conditional executions and loops, data management with sequences.
Week 4: Data management with repeats, sorting, ordering, and lists.
Week 5: Vector indexing, factors, Data management with strings, display and formatting.
Week 6: Data management with display paste, split, find and replacement, manipulations with alphabets, evaluation of strings, data frames.
Week 7: Data frames, import of external data in various file formats, statistical functions, compilation of data.
Week 8: Graphics and plots, statistical functions for central tendency, variation, skewness and kurtosis, handling of bivarite data through graphics, correlations, programming and illustration with examples.

List of students enrolled

S. No.	Name of Student
1	Akshat Gadodia
2	Pankaj Dadheech
3	Sushil Kumar Sadhnani