

Shri Vijaysinha Yadav College, Peth Vadgaon
Department of Computer Science
2023-2024

Short Term Course

Course Name :	R PROGRAMMING
Duration	30 days(4 weeks)
	01/02/2024 to 11/03/2024
Time	9.00 am to 10.00 am

About Course:

Department of Computer Science conducted a Four weeks Short Term course from 01/02/2024 to 11/03/2024 in offline mode before the commencement of regular classes. R is a powerful statistical computing and graphics language widely used in various fields such as data analysis, machine learning, and scientific research.

The course covered fundamental concepts, practical applications, and hands-on exercises to equip participants with essential skills in R programming.

• Course Structure:

1. Introduction to R: Installation, basic syntax, data types, and data structures.
2. Data Manipulation: Importing data, data cleaning, subletting, and merging datasets.
3. Data Visualization: Plotting graphs, histograms, scatter plots, and customizing visualizations.
4. Statistical Analysis: Descriptive statistics, hypothesis testing, regression analysis, and ANOVA.
5. Advanced Topics: Introduction to machine learning algorithms, packages, and extensions.

• Key Learning Objectives:

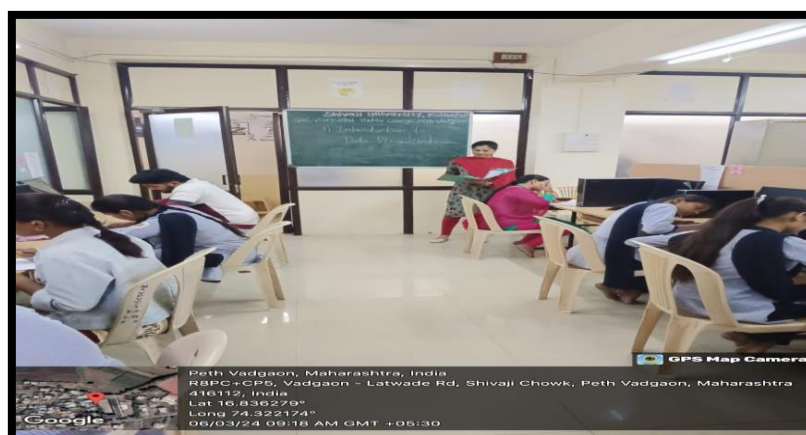
1. Gain proficiency in R programming language.
2. Understand data manipulation techniques for analysis.
3. Learn to create insightful visualizations using R.
4. Perform statistical analysis and hypothesis testing.
5. Explore advanced topics such as machine learning with R.

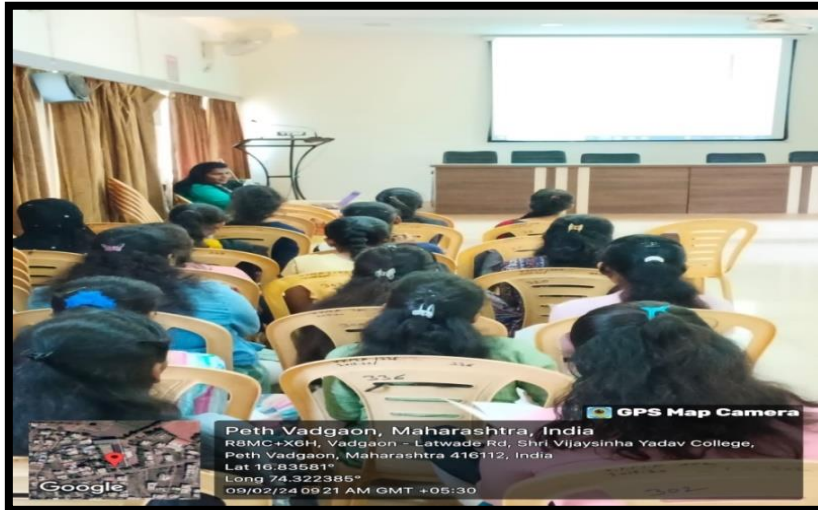
• Course Delivery:

1. Lectures: Interactive sessions covering theoretical concepts and practical demonstrations.
2. Hands-on Labs: Guided exercises to reinforce learning and practice R programming skills.
3. Case Studies: Real-world examples from scientific research to illustrate R application.
4. Project Work: Independent or group projects to apply learned concepts to analyse datasets relevant to students' fields of study.

Outcomes:

1. Increased proficiency in R programming among BSc students.
2. Enhanced ability to manipulate and analyse scientific data using R.
3. Improved skills in creating insightful visualizations for scientific presentations.
4. Better understanding and application of statistical analysis methods in research projects.
5. Development of critical thinking and problem-solving skills through project work.





Shri. Shahu Shikshan Prasarak Seva Mandal, Peth Vadgaon
Shri Vijaysinha Yadav College, Peth Vadgaon

CERTIFICATE COURSE IN (ROLE OF ANGULAR IN WEB DEVELOPMENT)

Academic Year: 2023-2024

Participating Student List
 Duration weeks
 01/02/2024 to 11/03/2024

Attendance sheet

Sr.No	Name of Students	Date											
		1/2/24	2/2/24	3/2/24	5/2/24	6/2/24	7/2/24	8/2/24	9/2/24	10/2/24	11/2/24		
1	BEDAG SAMINA MAINUDDIN	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	
2	CHOUGULE SHIVPRASAD SANJAY	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	
3	DONGARE SNEHAL SUNIL	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	
4	GURAV SANDHYA SHIVAJI	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	
5	KEKARE SANIKA RANGARAO	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	
6	KHOT SAYALI GAJANAN	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	
7	MULANI SANIYA MAHEBUB	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	
8	MULIK SANIKA DATTATRAY	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	
9	MULLA SAMINA ILAI	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	
10	PARIT SANJANA CHANDRAKANT	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	
11	PATIL ARCHANA DHONDIRAM	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	
12	PATIL PRUTHVERAJ TANAJI	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	
13	PATIL SUJAL SUBHASH	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	

14	PATIL TEJAS RAJENDRA	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk
15	VATHARE AFRIN JAMIR	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk
16	BHANDARI ANKITA SHAHAJI	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk
17	BHOSALE VAISHNAVI VISHVAS	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk
18	DALAVI NEHA ATUL	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk
19	DHUMAL ANJALI VIJAY	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk
20	JAGTAP DIVYA SUNIL	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk
21	MANE SATYAPRAKASH BHIMSEN	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk
22	MOMIN WASIM AYUB	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk
23	NILAJE SHREYASHA MAHESH	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk
24	PATIL HARSHVARDHAN SANTOSH	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk
25	PATIL PAVAN ARAVIND	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk
26	PATIL PRAJAKTA JAYKAR	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk
27	PATIL PRANJAL SHIVAJI	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk
28	PATIL RUTUJA RAJENDRA	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk
29	POWAR SNEHAL MAHESH	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk
30	RELEKAR ANUJA CHANDRAKANT	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk
31	SHELAR SAKSHI MAHESH	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk
32	SHINDE MANAS ANIL	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk
33	SURYAVANSHI AISHWARYA NAMDEV	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk
34	TAIGADE SAHIL SANDIP	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk
35	TEWARE POOJA AMOL	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk	Atk

Head
 Department of Computer Science
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Principal
 Principal
 Shri. Vijaysinha Yadav College
 Peth Vadgaon, Dist. Kolhapur.