

B. N. Bandodkar College of Science (Autonomous), Thane

Name of activity	Certificate course of “Basics of R Software”		
Objectives of the activity	<ul style="list-style-type: none"> • To demonstrate familiarity with the R interface, RStudio, and basic features of the R programming environment. • To perform basic statistical analysis. 		
Organizing department/s	Department of statistics		
Collaborative institute	-		
Date (DD / MM / YYYY)	09/01/2025 to 14/02/2025		
Venue	Computer Lab		
Mode (Online/Offline/ Hybrid)	Hybrid		
Details of Resource Person/ Speaker	Abhishek Bandivadekar. (Assistant Professor, Department of Statistics) Priyanka Chataule. . (Assistant Professor, Department of Statistics)		
Key Participants	B.Sc. Students and faculty		
Remarkable outcomes / key take away messages	Students are able to <ul style="list-style-type: none"> • Import, clean, and manage data using R data structures like vectors, lists, data frames, and matrices. • Perform basic statistical analysis. • Generate graphs and plots (e.g., histograms, boxplots, scatter plots) using base R and packages like ggplot2. • Apply R to solve simple real-world problems through case studies 		
Details of Teachers participants	M-00	F-00	T-00
Details of Student participants	M-04	F-09	T-13
Outsiders	Nil		
In-house	13		
Additional information	Successful Candidates have earned 3 credits in this certificate Course.		
Name of Coordinator	Abhishek Bandivadekar.		
Geotagged photo	Yes		
Flyer/ Notice	Yes		
Attendance	Yes		
Feedback analysis	Yes		

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Geotagged photos:



B. N. Bandodkar College of Science (Autonomous), Thane

Flyer:

Certificate Course on Basics of R Software

ABOUT THE COURSE

Organized By

Department of Statistics,

VPM's B. N. Handedkar College of Science, (Autonomous), Thane (W)

Duration of Course

09th January 2025 to 31st January 2025
All Days 1:00 pm – 2:30 pm (Tentative)

Mode: ONLINE AND OFFLINE

Contact:

Mr. Abhishek Bandivadekar
Department of Statistics,
9222221477

Ms. Priyanka Chataule,
Department of Statistics,
8879315638

Course Layout

Unit I: Fundamentals of R

Unit II: Descriptive Statistics

Unit III: Probability and Probability Distributions

Unit IV: Correlation Analysis, Linear Regression Analysis, and Curve Fitting

Certification Exam

Final score will be calculated as 25% assignment score + 75% final exam score. Certificate will be given to those who score min. 40% marks.

Any scientific task without the knowledge of software is difficult to imagine and complete in the current scenario. Different software packages are available to analyze the data. It is felt that there is a need to well equip the students, teachers and others who are using Statistics and related topics. R is free software that is capable of handling Mathematical and Statistical manipulations. It has its own programming language as well as built in functions to perform any specialized task. We intend to give the basics of R software in this course. Non-Statisticians face the problem of using appropriate Statistical tools, calculations, understanding and interpreting the numerical answers. In order to understand the basic concepts of Statistics, we have organized a Certificate Course on R Software and by completing this Course, students will earn 3 credits.

Participants should be ready with laptops/Desktop with R software installed.

Registration:

Online Enrollment Form – Click on the link given below for registration

<https://forms.gle/ZcY1B8k31MvxX1Eb9>

The details of Syllabus and Evaluation Scheme is given in below link

https://drive.google.com/file/d/1IyvFz1fOPWMKpnRtPf6u2SWSN8xKQs-F/view?usp=drive_link

The Schedule for the course is given below

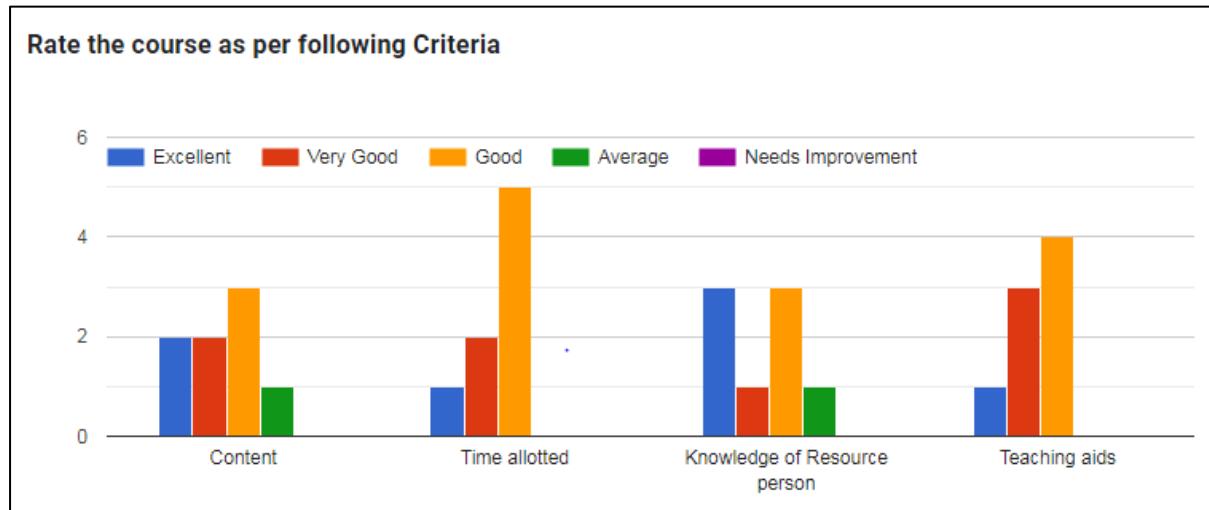
(Registrations shall be made on first come, first serve basis)

Registration Fee: The Registration Fees for this course is Rs. 1500 + 18% GST = Rs. 1770. Interested participants can only be confirmed their candidature by paying fees through online mode. The fees for the course to be paid in advance. Late registration will not be entertained.

Attendance:

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Feedback analysis:



Head, Department of Statistics