

संख्याशास्त्र विभाग,
विवेकानंद कॉलेज, कोल्हापूर
(अधिकारप्रदत्त स्वायत्त).

दि. 28.12.2024

प्रति,

मा. प्राचार्य,
विवेकानंद कॉलेज,
कोल्हापूर (अधिकारप्रदत्त स्वायत्त).

विषय :- R- Programming वर कार्यशाळा घेण्याकरिता परवानगी व त्यासाठी
लागणाऱ्या खर्चास मंजूरी मिळणेबाबत . . .

महोदय,

आपल्या महाविद्यालयातील संख्याशास्त्र विभागामध्ये बी. एस्सी. भाग २, ३ व
एम. एस्सी. भाग १ मधील विद्यार्थ्यांसाठी R- Programming वर दहा दिवसांची कार्यशाळा दि.
०१.०१.२०२५ ते दि. ११.०१.२०२५ या कालावधीमध्ये घेण्यास परवानगी मिळावी तसेच या
कार्यशाळेसाठी अंदाजे रु. ४०००/- खर्च येणार आहे. तरी सदर खर्चास मंजूरी मिळावी ही विनंती.

कळावे,

आपली विश्वासू,

(सौ. व्ही. सी. शिंदे)

HEAD

DEPARTMENT OF STATISTICS
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)

Allowed

P2

30/12/2024

“ज्ञान विज्ञान आणि सुसंस्कार यासाठी शिक्षण प्रसार”

प. पू. शिक्षणमहर्षि डॉ. बापुजी साळुंखे

Shri Swami Vivekanand Shikshan Sanstha's

VIVEKANAND COLLEGE, KOLHAPUR (Empowered Autonomous)

Department of Statistics

Notice

Date: - 28.12.2024

All the students of B. Sc. – II, III and M. Sc. I (Statistics/ Applied Statistics) are hereby informed that, our department organizes a “Workshop on R – Programming” from 1st January 2025 to 11th January 2025. The time table of the program is as below.

Day	Day & Date	Topic Name	Lecturer	Time
1	Wednesday 01/01/2025	Installation and introduction to R, History. Object identification Creation of vector using commands: Combine (c), scan, cbind, rbind, seq, rep, edit, sort, length, which, order.	Mr. Bhosale A.B.	9:00 am - 11.00 am
2	Thursday 02/01/2025	Operations on vectors, Relation operators, Logical Operators, Assignment Operators. Object Identification	Mr. Bhosale A.B.	9:00 am - 11.00 am
3	Friday 03/01/2025	Import and export data, For loop, while loop, if else statement, break statement	Dr. Sachin Patil	9:00 am - 11.00 am
4	Saturday 04/01/2025	Data visualization Diagrammatic representation of data	Mr. More Sunil B.	9:00 am - 11.00 am
5	Monday 06/01/2025	Graphical representation of data. random number generation	Ms. Ransubhe P. V.	9:00 am - 11.00 am
6	Tuesday 07/01/2025	Matrix manipulation, Creation of data frame	Mr. Patil A. P.	9:00 am - 11.00 am
7	Wednesday 08/01/2025	Exploratory data analysis: mean, variance, quantiles, pdf, cdf, correlation, summary	Mr. Tangawade Atish S.	9:00 am - 11.00 am
8	Thursday 09/01/2025	Programming in R	Dr. D. G. Ghodase	9:00 am - 11.00 am
9	Friday 10/01/2025	Installation of packages Statistical tools: prop.test, t.test, wilcox.test, ks.test, chisq.test, cor.test, linear regression.	Ms. Makandar A. M.	9:00 am - 11.00 am
10	Saturday 11/01/2025	Random numbers, Random number generation from discrete and continuous distributions	Mr. D. D. Patil	9:00 am - 11.00 am

Venue: - B.Sc./ M.Sc. Computer Lab I department of Statistics

Mrs. V.C. Shinde

HEAD

DEPARTMENT OF STATISTICS
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)

Dr. R. R. Kumbhar

PRINCIPAL

VIVEKANAND COLLEGE, KOLHAPUR
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Workshop on R - Programming Dt. 01.01.2025 to 11.01.2025

[illegible]

Attendance Report

Sr No	Roll No	Name of The Students	01.1.25	02.1.25	03.1.25	04.1.25	06.1.25	07.01.25	08.1.25	9.1.25	10.1.25	11.1.25
22		Namrata R. Katkar	NRK	NRK	NRK	AB	AB	AB	AB	AB	AB	AB
23		Rohan Balu Gurav	RBgurav	RBgurav	RBgurav	RBgurav	RBgurav	RBgurav	RBgurav	RBgurav	RBgurav	RBgurav
24		Vaibhav Sudheer Lokhande	V	V	V	V	V	V	V	V	V	V
25		Vaibhav Shrikant Kore	V	V	V	V	V	V	V	V	V	V
26		Shivraj Subhash Salate	Se	Se	Se	Se	Se	Se	Se	Se	Se	Se
27		Prathmesh Ningappa Hamrudkar	PNH	PNH	PNH	PNH	PNH	AB	PNH	PNH	PNH	AB
28	1512	Swapnali Suryakant Sawant	Swant	AB	Swant	Swant	Swant	Swant	Swant	Swant	Swant	Swant
29		Akhata Ravindra Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	AB
30		Neha Apayya Modghekar	Nmodghekar	AB	Nmodghekar		Nmodghekar	Nmodghekar	Nmodghekar	Nmodghekar	Nmodghekar	AB
31		Maheshwari Pandurang Kore	AB	Pore	Pore		Pore	Pore	Pore	Pore	Pore	Pore
32		Dnyaneshwari Namadev Khade	NKhade	NKhade	NKhade		NKhade	NKhade	NKhade	NKhade	NKhade	NKhade
33		Prachi Uday Latane	PLane	PLane	PLane	PLane	PLane	PLane	PLane	AB	PLane	PLane
34		TanHAVI S. Mane	Fane	Fane	Fane	Fane	Fane	Fane	Fane	Fane	Fane	Fane
35		Pratishtha T. Shinde	PSHinde	PSHinde	PSHinde	PSHinde	PSHinde	PSHinde	PSHinde	PSHinde	PSHinde	PSHinde
36		K Vishal K. Gorale	KGorale	KGorale	KGorale	KGorale	KGorale	KGorale	KGorale	KGorale	AB	AB
37		K Sharma S. Mane	SGmane	SGmane	AB	AB	A					
38		Pranali K. Mane	PMane	PMane	PMane	PMane	PMane	PMane	PMane	PMane	PMane	AB
39		Gauri T. Dalvi	GDalvi	AB	AB	GDalvi	GDalvi	GDalvi	GDalvi	GDalvi	GDalvi	GDalvi
40		Pragwal Anil Mane	Mane-PA	Mane-PA	AB	Mane-PA	Mane-PA	AB	AB	Mane-PA	AB	Mane-PA
41		Gaurav Ashok Keshkar	Ga	Ga	AB	Ga	Ga	Ga	Ga	Ga	AB	Ga
42		Shivtej Ramesh Jawale	AB	AB	AB	AB	Shivtej	AB	AB	AB	AB	AB
43		Ganesh Vitthal Khot	GKhot	GKhot	GKhot	GKhot	GKhot	GKhot	GKhot	GKhot	GKhot	GKhot
44		Palil Pratiksha Prakash	AB	AB	PH	PH	PH	AB	PH	PH	PH	AB
45		Shivam R. Pawar	AB	AB	AB	AB	AB	AB	AB	SH	AB	AB



"Dissemination of Education for Knowledge, Science and Culture"
-Shikshanmaharshi Dr. Bapuji Salunkhe
Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR
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DEPARTMENT OF STATISTICS
One Week Workshop
On
R Software

Aim: To empower students with practical knowledge of R software, enabling them to apply statistical concepts and methods efficiently through data analysis and visualization techniques.

Objectives:

1. To introduce the fundamentals of R programming, including basic data structures, syntax, and operations.
2. To teach statistical analysis techniques in R, such as descriptive statistics, hypothesis testing.
3. To develop skills in data visualization for creating insightful graphs and charts.
4. To provide hands-on experience with real-world datasets, enabling students to apply theoretical concepts to practical problems.

Time & Date: 1st January 2025 to 11th January 2025(9:00AM)

Venue: Computer Lab I, Department of Statistics

Resource Persons: Dr. D. G. Godase, Assistant Professor, The New College, Kolhapur, Mr. S. B. More, Assistant Professor, YC College, Karad, Mr. A. B. Bhosale, Mr. A. P. Patil, Ms. A. M. Makandar, Ms. P. V. Ransubhe, Mr. D. D. Patil, Assistant Professors, Department of Statistics, Vivekanand College, Kolhapur

Number of Students: 44

Number of teachers: 07

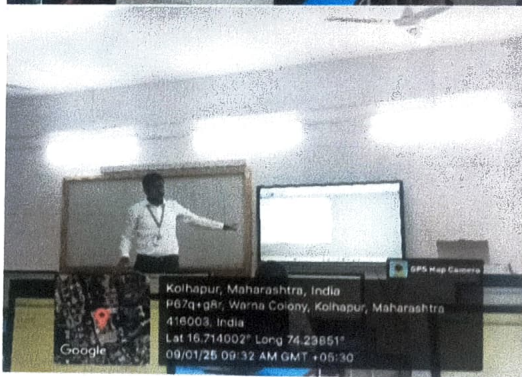
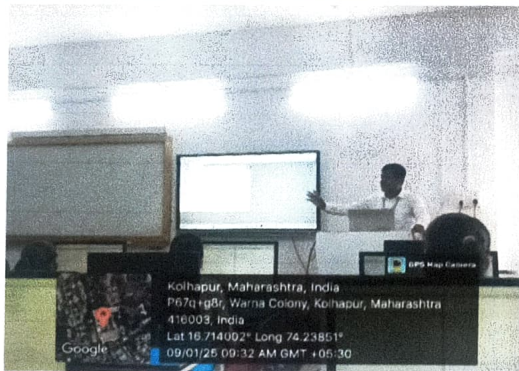
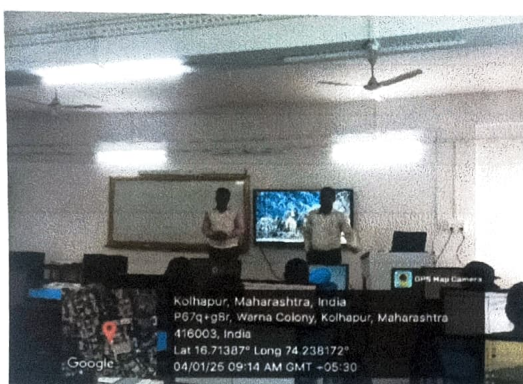
Brief Introduction: The department of Statistics, Vivekanand College, Kolhapur conducted a "Workshop on R- Programming from 01st January 2025 to 11th January 2025. 44 students from B.Sc. II, III and M. Sc. I was participated in the workshop. After formal inauguration of workshop, Mr. A. B. Bhosale explained What is R, how to download and install it. He covered basic commands regarding creation of vector, operators like logical, assignment. He also explained how to import and export data files from R to other sources like .txt,.xlsx,.csv etc. On 4th January, Mr. S. B. More taught data visualization techniques and diagrammatic representation. He also covered exploratory data analysis. On 6th January, Ms. P. V. Ransubhe covered graphical representation of data and random number generation. On 7th January, Mr. A. P. Patil explained creation of data frame, matrix manipulation and operations on matrix through examples. On 9th January, Dr. D. G. Godase taught basic structure of R programming and codes. He also discussed and demonstrated installation of various packages. On next day, Ms. Ashiyana Makandar covered procedure of testing hypothesis through various tests such as

t.test, wilcox.test, chisq.test, etc. At the end of the workshop, Mr. D. D. Patil covered random number generation from various discrete and continuous probability distributions. In the valedictory function students shared their opinions about the workshop and mentioned its usefulness. The vote of thanks presented by Mr. A. B. Bhosale.

Outcomes:

After completion of this workshop,

- Students gained foundational knowledge of R, including its syntax, data structures, and core functionalities.
- Students able to apply statistical techniques, such as hypothesis testing, and descriptive statistics using R software.
- Students able to clean, manipulate, and analyse real datasets, preparing them for academic and professional challenges.



V. C. Shinde
Mrs. V. C. Shinde

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