ञंख्याशाञ्त्र विभाग विवेकानंब कॉलेज, कोल्हापूर्व (स्वायत्त) æ. १७/0३/२०२३

प्रति. मा . प्राचार्य, विवेकानंद कॉलेज, कोल्हापूर्व. (स्वायत्त)

> विषय :- R-Programming चे वर्कशॉप घेण्याकवीता पववानगी व त्याभाठी लागणा-या खर्चाभ मंजूबी मिळणेषाषत...

महोद्धय,

वाबील विषयी विनंती अर्ज कवते की, संख्याशाक्त्र विभागातील खी.एक्सी. भाग तीन व एम. एक्की.भाग एक मधील विद्यार्थीकाठी R-Programming चे कहा दिवसांचे वर्कशॉप दि.२<u>०.०३.</u>२०२३ ते दि.२७.०३.२०२३ या कालावधीमध्ये घेण्यास प्रवानमी मिळाजी तसेच या जर्कशॉप्याठी अंकाजे क.२५००/- खर्च येणाव आहे. तसी अद्य खर्चाभ मंजूरी मिळाणी ही नम विनंती.

कळावे,

अपली विश्वास्

की. की. प्रवास

Plad

Department of Statistics

Vivekanand College, Kolhapur

(Autonomous) Vivekanand College, Kolhapur

# VIVEKANAND COLLEGE (AUTONOMOUS), KOLHAPUR Department of Statistics

**Notice** 

Date: 16/03/2023

All the student of B.Sc. III & M.Sc. I are hereby informed that, our 2023. The time table of the program is as below.

Sr.No.	Advisory Continued Institute Continued Institu			Time
The state of the s	Day & Date	Topic Name	Lecture	•
	Monday 20.03.2023	Unit No 1,2,3 & 4	Mr. Sachin Patil	08.00am- 10.00am
2		- Offit No 1,2,3 & 1		08.00am- 10.00am
3	Tuesday 21.03.2023		N. A. D. Dhagala	08.00am -10.00am
	Thursday 23.03.2023	Unit No 6,7	Mr. A.B.Bhosale	
4	Friday 24.03.2023	Unit No 5,10	Miss D.A.Tapakire	08.00am- 10.00am
5	Satural as as assa	VI '- N- 0 0	Mr. K.M. Mali	08.00am- 10.00am
	Saturday 25.03.2023	Unit No 8, 9	1741.	20.00 m 10.00am
6	Monday 27.03.2023	-		08.00am- 10.00am

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

ESTD JUNE
1964
\*

Ms. V. V. Pawar
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Department not statistics
Vivekenend Cellage, Kelhapur

(Autenomous)

#### 'ज्ञान, विज्ञान आणि सुसंस्कार यासाठी शिक्षण प्रसार' ग्रिक्षणमहर्षी डॉ., बापूजी साळूंखे

# VIVEKANAND COLLEGE (AUTONOMOUS), KOLHAPUR Department of Statistics

Notice

Date: 16/03/2023

All the student of B.Sc. III & M.Sc. I are hereby informed that, our department organizes a "Workshop on R- programming" from 20<sup>th</sup> March 2023 to 27<sup>th</sup> March 2023. The time table of the program is as below.

		Topic Name	Lecture	Time
Sr.No.	Day & Date		Mr. Sachin Patil	08.00am- 10.00am
1	Monday 20.03.2023	Unit No 1,2,3 & 4	Mr. Sacim racii	08.00am- 10.00am
2	Tuesday 21.03.2023		Mr. A.B.Bhosale	08.00am -10.00am
3	Thursday 23.03.2023	Unit No 6,7		08.00am- 10.00am
4	Friday 24.03.2023	Unit No 5,10	Miss D.A.Tapakire	
		Unit No 8, 9	Mr. K.M. Mali	08.00am- 10.00am
5	Saturday 25.03.2023			08.00am- 10.00am
6	Monday 27.03.2023			

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

Ms. V. V. Pawar

Department of Statistics
Vivekanand College, Kolhapur

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Dr. R. R. Kumbhar PRINCIPAL Ivolizaand College Keltabur

### VIVEKANAN COLLEGE, KOLHAPUR. (AUTO DMOUS) DEPARTMENT OF STATISTICS

#### Attendance

Workshop on R-Programming (20<sup>th</sup> March to 27<sup>th</sup> March 2023)

Sr. No.	Student Name	Class	20/03/2023	21/02/2022	22/02/2022	24/02/2022	25/03/2023	27/02/2022	28/3/23
				21/03/2023	23/03/2023	24/03/2023		27/03/2023	2017127
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2	Patil Vaishnavi Dhangjirgo	M.Sc. I	<u>Metil</u>	Phil	AB	AB	AB	AB	AD
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18	Patil Shraddha Bajirao	BScIIL	5 B. Pati)	6 B. POHI)	6.B. Pati)	5.B. Pati)	5. B. Patil	5.B.Pati)	5. B. Pati

### VIVEKANA D COLLEGE, KOLHAPUR. (AUT NOMOUS) DEPARTMENT OF STATISTICS

#### Attendance

Workshop on R-Programming (20th March to 27th March 2023)

									1 1
Sr. No.	Student Name	Class	20/03/2023	21/03/2023	23/03/2023	24/03/2023	25/03/2023	27/03/2023	28/03/23
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2	Saloni S. Kurade	BSCIII	grunide.	Skureide		8 Kuraule	Skinade	8. Kuriale	AB
3	Tejaswini Tanaji Kumbhoe	B-Scm	Dunks	AB		Dunke	Pindes	AB	AB
4	Pradnya Bharat Kamble	MSc-I	Ramble	Ramble	Ramble	Ramble	Ramble		Ramble
5	Manasi Tanaji Jamdade	BSc II	Rondels	Damlack	AB	AP	Bondack	Pandade	mshinels
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### VIVEKANA D COLLEGE, KOLHAPUR. (AUT OMOUS) DEPARTMENT OF STATISTICS

#### Attendance

Workshop on R-Programming (20th March to 27th March 2023)

Sr. No.	Student Name	Class	20/03/2023	21/03/2023	23/03/2023	24/03/2023	25/03/2023	27/03/2023	28/3/3
1	Charan Shubham S.	M.5c-I	Shavan.	Than.	Shavan.	Shankara.	Shanan		Phanton
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5	Parit Amol Dhanaji	M.SC-I	And.	Drof.	Angl:	and .	And:		, ,
6	Kanise Dasshon Shasad	BSc-III	18/18	13/18	22/8	13/18	TAY Y	130/88	1000
7	Jadhar Pankaj P.	BSC-III	Reglha	Pitarthan	RkJIhm	Rt Illa	Paky Iha	RkJuhn	BRAJ
8	Shinde Pronav Tanaii	B.ScIII	RidBany	- Wideanay	(a) affeanar	(Dig Beaner)	(Richeanay	Pia Pranav	( icheans
9	Jadhave Aniket Asun	B80 II	School	Genal	Otas	Achor	actor	Athor	
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# "Education for Knowledge, Science and Culture" -Shiksahnmaharshi Dr. Bapuji Salunkhe Shri Swami Vivekanand Shikshan Sanstha's VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)



## DEPARTMENT OF STATISTICS One week workshop on "Introduction of R"

- Aim: To learn R software.
- Objectives:
  - 1. To familiarize students with R software.
  - 2. To understand how to import and export the data by various data functions.
  - 3. To become able to manipulate data, running summary statistics, visualize data, analyze data and to interpret it.
- Time & Date: 20<sup>rd</sup> March 2023 to 27<sup>th</sup> march 2023 (8.00 am)
- Venue: Department of Statistics
- Resource Person: Mr. Sachin Patil, Assistant Professor, Dept. of Statistics Shivaji university Kolhapur.

Mr. K.M. Mali, Assistant Professor Dept. of Statistics S.S.C.M

Kolhapur.

Mr. A.B. Bhosale & Ms.D.A. Tapakire Assistant Professors Dept. of

Statistics VCK.

• Number of Students: 42 (12 B+30 G)

• Number of Teachers: 02

• Brief Description:

The department of Statistics, Vivekanand College, Kolhapur conducted a "Workshop on R" from 20<sup>rd</sup> March 2023 to 27<sup>th</sup> March 2023. Around 42 students from BSc III and MSc I were participated in the workshop. After formal inauguration of workshop Mr. Sachin Patil explained What is R? How to download and install it. He covered basic commands regarding data input output, creation of vector, operators like logical, assignment. He also explained creation of matrix and operations on matrix through examples.

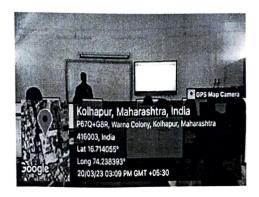
On 23<sup>rd</sup> March Mr. Bhosale Ashok covered data visualization techniques. He also taught various looping statements, which required in programme writing. On the next day DhanashreeTapakire discussed and demonstrated installation of various packages. At the end of the workshop Mr. Krushnath Mali enlightened students on simulation techniques. Through various programs he explained generation of random numbers. He also covered various tests such as t.test, wilcox.test, chisq.test, etc.

At 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:

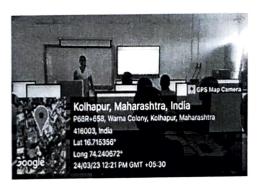
After the completion of the workshop

- Students became able to, download and install R.
- They learned to install and load add-in packages
- The understood R data structures, import external data into R for data processing and statistical analysis.
- They became able to compute basic summary statistics and statistical analysis techniques.
- They learned data visualizations techniques with the ggplot package.















Head
Department of Statistics
Partment of Statistics
Wekanand College Kolhabu