

**"Education through self-help is our motto"- KARMAVEER
RAYAT SHIKSHAN SANSTHA'S
RAJARSHI CHHATRAPATI SHAHU COLLEGE, KOLHAPUR
DEPARTMENT OF STATISTICS**

**Organized
Certificate Course in Advanced Excel
Self – Funded under Short Term Courses in the academic year 2024-25**

COURSE REPORT

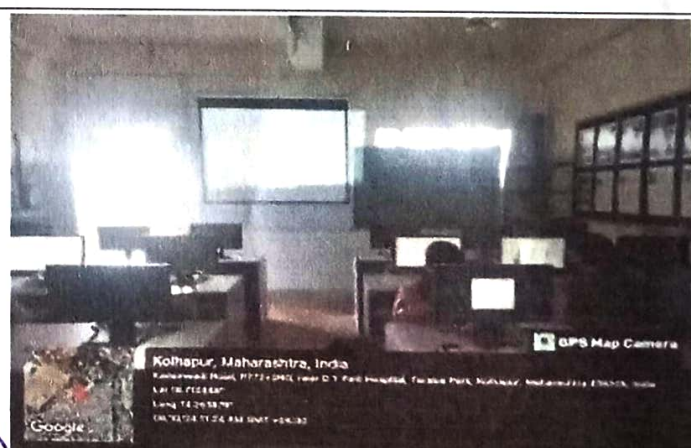
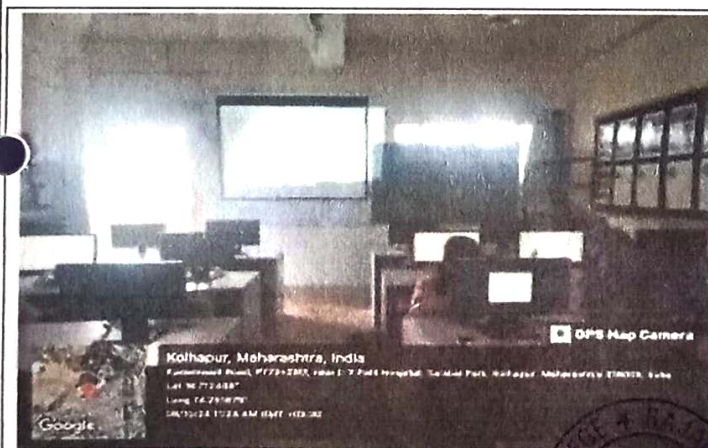
Department of statistics organized the certificate course in Advanced Excel in Statistics for M. Sc. I students for the academic year 2024-25. The main objectives of this course are:

- To use range of Lookup and reference functions.
- To customize the formatting of charts in excel.
- To create and use labels and names in workbook.
- To protect data in worksheets and workbooks.
- To create summaries in your spreadsheets using subtotals.
- To use data linking to create more efficient workbooks.

For this course fee of Rs.500 charged to the students. The course was conducted in the period of 01/10/2024 to 21/10/2024. Total number of beneficiaries for this course is 16. After completion of this course student's knowledge was checked through various computation tasks through assignments. Each student who successfully completed this course was awarded by certificate. Mr. Chougule P. S., Dr. Kurane T.S.(co-ordinator). Smt. Vhatkar D.S. and Smt. Kamble S.M. worked as a Resource person for this course.

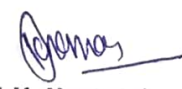
Outcomes: The students shall become confident and they acquire the knowledge requires to perform analytical activities using MS-Excel.

**Total number of
beneficiaries is 16.**




Dr. T.S. Kurane
Coordinator


Mr. P. S. Chougule
Head
Department of Statistics


Dr. M.K. Kannade
Incharge
Short term Courses


Dr. U. S. Shelke
IQAC
Coordinator


Prof. Dr. D. R. Bhosale
I/C Principal
R. C. Shahu College,
Kolhapur

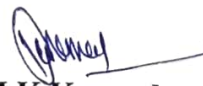
"Education through self-help is our motto"- KARMAVEER
Rayat Shikshan Sanstha's
Rajarshi Chhatrapati Shahu College, Kolhapur
Department of Statistics
Organized
Certificate Course on Advanced Excel
(Self – Funded)
Under
COC and Short Term Courses
2024-2025

Income and Expenditure Statement

Income	Amount (in Rs.)	Expenditure	Amount (in Rs.)
Particulars		Particulars	
1) Total Participants = 16 (16*500)	8000/-	1) GST 18%	1440/-
		2) Certificate Printing	260/-
		2) Remuneration for Recourse Person Lumsum (40% of Total amount 6300/- is 2520/- is equally distributed equally distributed into 4 persons)	
		ii) Smt. D.S. Vhatkar	1260/-
		iii) Mr. S.M.Kamble	1260/-
		3)Balance to College	3780/-
Total	8000=00	Total	8000=00


Mr. P. S. Chougule
Head,
Department of Statistics


Dr. T. S. Kurane
Coordinator,
Department of Statistics


Dr. M. K. Kannade
Incharge,
Short Term Courses


Prof. Dr. D. R. Bhosale
I/C Principal,
R. C. Shahu College, Kolhapur



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Rayat Shikshan Sanstha's

RAJARSHI CHHATRAPATI SHAHU COLLEGE,

KOLHAPUR

NAAC 4th Cycle Reaccredited with A++ (CGPA- 3.78)

DEPARTMENT OF STATISTICS

CERTIFICATE

This is to certify that Prof./Sri/Smt. Tejam Shraddha Namdev of

Rajarshi Chhatrapati Shahu College, Kolhapur has attended and Participated/Delivered a Lecture as Resource Person/ Successfully Completed Certificate Course on **Advanced Excel** organized by Department of Statistics of Rajarshi Chhatrapati Shahu College, Kolhapur from 01/10/2024 to 21/10/2024




Dr. T. S. Kurane
Coordinator
Dept. of Statistics


Mr. P. S. Chougule
Head,
Dept. of Statistics


Dr. M. K. Kannade
In charge
Short term Courses


Dr. U. S. Shelke
IQAC
Coordinator


Prof. Dr. D. R. Bhosale
I/C Principal,
R. C. Shahu College, Kolhapur.



**RAYAT SHIKSHAN SANSTHA'S
RAJARSHI CHHTRPATI SHAHU COLLEGE, KOLHAPUR
DEPARTMENT OF STATISTICS
Certificate Course on Advanced Excel
2024-25**

Enrollment List of Students

Roll No.	Name of Student	Fee
1	Borgave Prachi Suresh	500
2	Dabade Tejaswini Dattatray	500
3	Gaikwad Sanika Balaso	500
4	Gurav Vinayak Hidurao	500
5	Humbe Rutuja Ramchandra	500
6	Jadhav Vishwamohini Yuvraj	500
7	Kokitkar Samata Appa	500
8	Mujawar Sohel Isak	500
9	Patil Sanika Sanjay	500
10	Patil Vikram Sardar	500
11	Powar Rutuja Bhaskar	500
12	Powar Shweta Ashok	500
13	Shinde Manasi Govind	500
14	Shinde Swapnali Jaysingh	500
15	Shipugade Shubham Sarjerao	500
16	Tejam Shraddha Namdev	500
Total		8000


Head
Department of Statistics
Rajarshi Chh. Shahu College, Kolhapur




I/C PRINCIPAL
R.C. SHAHU COLLEGE
KOLHAPUR

**RAYAT SHIKSHAN SANSTHA'S
RAJARSHI CHHATRAPATI SHAHU COLLEGE, KOLHAPUR
DEPARTMENT OF STATISTICS.
Certificate Course Exam On Advanced Excel**

Time – 1 Hour

Marks – 50

Name of Student –

Roll No

[50]

Q. Choose Correct Alternative :

- 1) The intersection of a column and a row in worksheet is called
a) Value b) Address c) Home d) cell
- 2) Which of the following features cannot be found in the Data ribbon?
a) What If analysis b) Pivot Table c) Text to Columns d) Data Validation
- 3) What are the shortcut keys to open up the Find and Replace window?
a) Ctrl + F b) Ctrl + H c) Ctrl + R d) Ctrl + Shift + F
- 4) Which of the following functions is used to calculate the variance of range of cells in Excel?
a) VAR b) AVERAGE c) STDEV d) VARIANCE
- 5) What will the Excel Formula = RIGHT ("TestBook",2) return ?
a) ok b) Bo c) Te d) st
- 6) What does the COUNTA function do in excel ?
a) Counts the number of values in a range
b) Counts the number of cells that are not empty in a range
c) Counts all cells containing numbers
d) None of above
- 7) in MS-Excel always begins with an equal to sign (=).
a) Number b) Formulae c) Text d) Tables
- 8) In MS-Excel spreadsheet data can be sorted using
a) Filter function b) ARRAY Function c) Lookup Function d) Operator Function
- 9) Which is not Text function in MS- Excel ?
a) CODE b) CLEAN c) CHAR d) DB
- 10) Which logical function returns TRUE if all arguments evaluate TRUE ; FALSE if not?
a) OR b) AND c) IF d) ANDIF
- 11) What is the syntax of the VLOOKUP function?
a) VLOOKUP(lookup_value, table_array, col_index_num, range_lookup)
b) VLOOKUP(table_array, col_index_num, lookup_value, range_lookup)
c) VLOOKUP(lookup_value, col_index_num, table_array, range_lookup)
d) VLOOKUP(range_lookup, lookup_value, col_index_num, table_array)
- 12) The ___ feature of ms excel quickly completes a series of data.
a) Auto Filter b) Auto Complete c) Auto Fill d) Auto Sum
- 13) In MS Excel _____ feature makes it easier to add repetitive data to a worksheet.
a) Autosum b) Sort c) Filter d) Autocomplete
- 14) The value of Excel expression =FLOOR(12.6,10)
a) 10 b) 12 c) 11 d) 13



- 15) What will be output of Excel expression =DATE(2020,8,31) if the selected date format is 'XX-XX-XXXX'?
- a) 31-08-2020 b) 20-31-08 c) 31/08/20 d) 2020-31-08
- 16) Which is incorrect statement :
- a) The result of the array formula is always a single value.
b) =SUM(A2:A11) is an example of the array formula.
c) Multiple array formulas need to be entered using Ctrl + Shift + Enter
d) An array formula operates on multiple values.
- 17) Which tool is used for performing what-if analysis in Excel?
- a) Solver b) Goal Seek c) Scenario Manager d) All of the above
- 18) Which of the following chart type is used to display trends over time ?
- a) Line chart b) Bar chart c) Pie chart d) Scatter chart
- 19) Which of the following chart type is used to compare the values across different categories ?
- a) Line chart b) Bar chart c) Pie chart d) Scatter chart
- 20) Which of the following function is used to count the number of cells in range that are not empty ?
- a) COUNT b) COUNTA c) COUNTBLANK d) COUNTIF
- 21) You can edit existing Excel data by pressing :
- a) F1 b) F10 c) F2 d) F4
- 22) The value of Excel expression =ROUND(12.64123,3)
- a) 13 b) 12.6 c) 12.6412 d) 12.64
- 23) What is the keyboard shortcut key to lock cell references in a formula?
- a) CTRL b) ALT c) F2 d) F4
- 24) What is the purpose of a Pivot Table in Excel?
- a) To create dynamic formulas
b) To sort data in ascending order
c) To summarize and analyze large data sets
d) To perform complex calculations
- 25) What does the CONCATENATE function do in Excel?
- a) Adds up a range of cells.
b) Concatenates two or more text strings together.
c) Calculates the average of a range of cells.
d) Counts the number of cells that meet a specific condition.



Q. No	Answer
1	d) cell
2	b) Pivot Table
3	b) Ctrl + H
4	a) VAR
5	a)ok
6	b)Counts the number of cells that are not empty in a range
7	b) Formulae
8	a)Filter function
9	d) DB
10	d) ANDIF
11	a) VLOOKUP(lookup_value, table_array, col_index_num, range_lookup)
12	c) Auto Fill
13	d)Autocomplete
14	a)10
15	a)31-08-2020
16	a)The result of the array formula is always a single value.
17	d)All of the above
18	a) Line chart
19	b) Bar chart
20	b) COUNTA
21	c)F2
22	d) 12.64
23	d) F4
24	c) To summarize and analyze large data sets
25	b) Concatenates two or more text strings together.

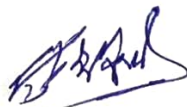


**RAYAT SHIKSHAN SANSTHA'S
RAJARSHI CHHTRPATI SHAHU COLLEGE, KOLHAPUR
DEPARTMENT OF STATISTICS
Advanced Excel
2024-25
Result of Students**

Roll No.	Name of Student	Class	Marks
1	Borgave Prachi Suresh	M.Sc. I	46
2	Dabade Tejaswini Dattatray	M.Sc. I	44
3	Gaikwad Sanika Balaso	M.Sc. I	48
4	Gurav Vinayak Hidurao	M.Sc. I	45
5	Humbe Rutuja Ramchandra	M.Sc. I	46
6	Jadhav Vishwamohini Yuvraj	M.Sc. I	45
7	Kokitkar Samata Appa	M.Sc. I	46
8	Mujawar Soheli Isak	M.Sc. I	46
9	Patil Sanika Sanjay	M.Sc. I	48
10	Patil Vikram Sardar	M.Sc. I	45
11	Powar Rutuja Bhaskar	M.Sc. I	46
12	Powar Shweta Ashok	M.Sc. I	44
13	Shinde Manasi Govind	M.Sc. I	46
14	Shinde Swapnali Jaysingh	M.Sc. I	48
15	Shipugade Shubham Sarjerao	M.Sc. I	48
16	Tejam Shraddha Namdev	M.Sc. I	48


Head
Department of Statistics
Rajarshi Chh. Shahu College, Kolhapur




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KOLHAPUR

RAYAT SHIKSHAN SANSTHA'S
RAJARSHI CHHATRAPATI SHAHU COLLEGE, KOLHAPUR
DEPARTMENT OF STATISTICS

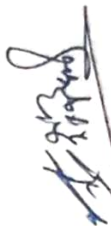
"Advanced Excel"

M. Sc. I

ROLL NO.	NAME OF STUDENT	DATE									
		1/10/24	3/10/24	4/10/24	5/10/24	7/10/24	8/10/24	9/10/24	10/10/24		
1	Borgave Prachi Suresh	P.S. Borgave	P.S. Borgave	P.S. Borgave	P.S. Borgave	P.S. Borgave	P.S. Borgave	P.S. Borgave	P.S. Borgave	P.S. Borgave	P.S. Borgave
2	Dabade Tejaswini Dattatray	Dabade	Dabade	Dabade	Dabade	Dabade	Dabade	Dabade	Dabade	Dabade	Dabade
3	Gaikwad Sanika Balaso	Gaikwad	Gaikwad	Gaikwad	Gaikwad	Gaikwad	Gaikwad	Gaikwad	Gaikwad	Gaikwad	Gaikwad
4	Gurav Vinayak Hidurao	Gurav	Gurav	Gurav	Gurav	Gurav	Gurav	Gurav	Gurav	Gurav	Gurav
5	Humbe Rutuja Ramchandra	Humbe	Humbe	Humbe	Humbe	Humbe	Humbe	Humbe	Humbe	Humbe	Humbe
6	Jadhav Vishwamohini Yuvraj	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav
7	Kokitkar Samata Appa	Kokitkar	Kokitkar	Kokitkar	Kokitkar	Kokitkar	Kokitkar	Kokitkar	Kokitkar	Kokitkar	Kokitkar
8	Mujawar Soheli Isak	Mujawar	Mujawar	Mujawar	Mujawar	Mujawar	Mujawar	Mujawar	Mujawar	Mujawar	Mujawar
9	Patil Sanika Sanjay	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
10	Patil Vikram Sardar	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
11	Powar Rutuja Bhaskar	Powar	Powar	Powar	Powar	Powar	Powar	Powar	Powar	Powar	Powar
12	Powar Shweta Ashok	Powar	Powar	Powar	Powar	Powar	Powar	Powar	Powar	Powar	Powar
13	Tejam Shraddha Namdev	Tejam	Tejam	Tejam	Tejam	Tejam	Tejam	Tejam	Tejam	Tejam	Tejam
14	Shinde Manasi Govind	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde
15	Shinde Swapnali Jaysingh	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde
16	Shipugade Shubham Sarjerao	Shipugade	Shipugade	Shipugade	Shipugade	Shipugade	Shipugade	Shipugade	Shipugade	Shipugade	Shipugade


Head
 Department of Statistics
 Rajarshi Chh. Shahu College, Kolhapur




VC PRINCIPAL
R.C. SHAHU COLLEGE
KOLHAPUR

RAYAT SHIKSHAN SANSTHA'S
RAJARSHI CHHATRAPATI SHAHU COLLEGE, KOLHAPUR
DEPARTMENT OF STATISTICS

"Advanced Excel"

M. Sc. I

ROLL NO.	NAME OF STUDENT	DATE									
		11/10/24	14/10/24	15/10/24	16/10/24	17/10/24	18/10/24	19/10/24	21/10/24		
1	Borgave Prachi Suresh	P. S. Borgave	P. S. Borgave	P. S. Borgave	P. S. Borgave	P. S. Borgave	P. S. Borgave	P. S. Borgave	P. S. Borgave		
2	Dabade Tejaswini Dattatray	Dabade	Dabade	Dabade	Dabade	Dabade	Dabade	Dabade	Dabade		
3	Gaikwad Sanika Balaso	Gaikwad	Gaikwad	Gaikwad	Gaikwad	Gaikwad	Gaikwad	Gaikwad	Gaikwad		
4	Gurav Vinayak Hidurao	Gurav	Gurav	Gurav	Gurav	Gurav	Gurav	Gurav	Gurav		
5	Humbe Rutuja Ramchandra	Riedage	Riedage	Riedage	Riedage	Riedage	Riedage	Riedage	Riedage		
6	Jadhav Vishwamohini Yuvraj	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav		
7	Kokitkar Samata Appa	Sak	Sak	Sak	Sak	Sak	Sak	Sak	Sak		
8	Mujawar Soheli Isak	f.	f.	f.	f.	f.	f.	f.	f.		
9	Patil Sanika Sanjay	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil		
10	Patil Vikram Sardar	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil		
11	Powar Rutuja Bhaskar	Powar	Powar	Powar	Powar	Powar	Powar	Powar	Powar		
12	Powar Shweta Ashok	Shweta	Shweta	Shweta	Shweta	Shweta	Shweta	Shweta	Shweta		
13	Tejam Shraddha Namdev	Tejam	Tejam	Tejam	Tejam	Tejam	Tejam	Tejam	Tejam		
14	Shinde Manasi Govind	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde		
15	Shinde Swapnali Jaysingh	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde		
16	Shipugade Shubham Sarjerao	Shipugade	Shipugade	Shipugade	Shipugade	Shipugade	Shipugade	Shipugade	Shipugade		


Head
 Department of Statistics
 Rajarshi Chh. Shahu College, Kolhapur




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KOLHAPUR

RAYAT SHIKSHAN SANSTHA'S
RAJARSHI CHHTRPATI SHAHU COLLEGE, KOLHAPUR
DEPARTMENT OF STATISTICS
Advanced Excel
2024-25
List of Students

Roll No.	Name of Student	Fee	Sign
1	Borgave Prachi Suresh	500	<u>P.s. Borgave</u>
2	Dabade Tejaswini Dattatray	500	<u>Dabade</u>
3	Gaikwad Sanika Balaso	500	<u>Gaikwad</u>
4	Gurav Vinayak Hidurao	500	<u>Gurav</u>
5	Humbe Rutuja Ramchandra	500	<u>Rjedego</u>
6	Jadhav Vishwamohini Yuvraj	500	<u>Jmm</u>
7	Kokitkar Samata Appa	500	<u>K.A.R.</u>
8	Mujawar Soheli Isak	500	<u>M.</u>
9	Patil Sanika Sanjay	500	<u>Patil</u>
10	Patil Vikram Sardar	500	<u>Patil</u>
11	Powar Rutuja Bhaskar	500	<u>Pas</u>
12	Powar Shweta Ashok	500	<u>Shweta</u>
13	Shinde Manasi Govind	500	<u>Mshinde</u>
14	Shinde Swapnali Jaysingh	500	<u>Swshinde</u>
15	Shipugade Shubham Sarjerao	500	<u>Shipugade</u>
16	Tejam Shraddha Namdev	500	<u>Tejam</u>


Head
Department of Statistics
Rajarshi Chh. Shahu College, Kolhapur




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KOLHAPUR

**RAYAT SHIKSHAN SANSTHA'S
RAJARSHI CHHTRPATI SHAHU COLLEGE, KOLHAPUR
DEPARTMENT OF STATISTICS**

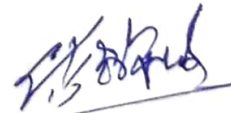
**Organized,
Certificate Course on Advanced Excel on 01/11/2024 to 21/11/2024
2024-25**

Enrollment List

Roll No.	Name of Student	Fee	Receipt No.	Sign
1	Borgave Prachi Suresh	500	5494	<u>P.S. Borgave</u>
2	Dabade Tejaswini Dattatray	500	5495	<u>Dabade</u>
3	Gaikwad Sanika Balaso	500	5496	<u>Balaso</u>
4	Gurav Vinayak Hidurao	500	5497	<u>Gurav</u>
5	Humbe Rutuja Ramchandra	500	5498	<u>Rjedage</u>
6	Jadhav Vishwamohini Yuvraj	500	5499	<u>Yuvraj</u>
7	Kokitkar Samata Appa	500	5500	<u>A.P.K.</u>
8	Mujawar Soheli Isak	500	6902	<u>Isak</u>
9	Patil Sanika Sanjay	500	6903	<u>Patil</u>
10	Patil Vikram Sardar	500	6904	<u>Patil</u>
11	Powar Rutuja Bhaskar	500	6905	<u>Powar</u>
12	Powar Shweta Ashok	500	6906	<u>Shweta</u>
13	Shinde Manasi Govind	500	6907	<u>Shinde</u>
14	Shinde Swapnali Jaysingh	500	6908	<u>Shinde</u>
15	Shipugade Shubham Sarjerao	500	6909	<u>Shipugade</u>
16	Tejam Shraddha Namdev	500	6910	<u>Tejam</u>
Total		8000		


Head
Department of Statistics
Rajarshi Chh. Shahu College, Kolhapur




I/C PRINCIPAL
R.C. SHAHU COLLEGE
KOLHAPUR

**RAYAT SHIKSHAN SANSTHA'S
RAJARSHI CHHTRPATI SHAHU COLLEGE, KOLHAPUR
DEPARTMENT OF STATISTICS**

Organized
Advanced MS-Excel
(Self - Funded Under COC)
Time Table 2024-25

	Venue	Date		01/10/24	03/10/24	04/10/24	05/10/24	07/10/24	08/10/24	09/10/24	10/10/24
		Time									
Theory & Practical	Lab 1 (Stat.Lab)	2:30 -3:30 & 3:30-5:30		DSV	SMK	DSV	SMK	DSV	SMK	DSV	SMK

	Venue	Date		11/10/24	14/10/24	15/10/24	16/10/24	17/10/24	18/10/24	19/10/24	21/10/24
		Time									
Theory & Practical	Lab 1 (Stat.Lab)	2:30 -3:30 & 3:30-5:30		DSV	SMK	DSV	SMK	DSV	SMK	DSV	SMK

Sr. No.	Name of Lecturer	
1	DSV	Smt. Vhatkar D. S.
2	SMK	Smt. Kamble S. M.



Head

Department of Statistics
Rajarshi Chh. Shahu College, Kolhapur



I/C PRINCIPAL
R.C. SHAHU COLLEGE
KOLHAPUR



**RAYAT SHIKSHAN SANSTHA'S
RAJARSHI CHHATRAPATI SHAHU COLLEGE, KOLHAPUR
DEPARTMENT OF STATISTICS
M.Sc. I (2024-25)**

NOTICE

All students of M.Sc. I hereby informed that, your “**Advanced Excel Course**” organized by Department of Statistics, will be start from 01/10/2024. The course will be conducted in Statistics lab from 2:30 PM to 5:30 PM. All students are requested to attend the course regularly and actively participate.




Head
Department of Statistics
Rajarshi Chh. Shahu College, Kolhapur

रयत शिक्षण संस्थचे
राजर्षी छत्रपती शाहू कॉलेज, कोल्हापूर
शॉर्ट टर्म/सीओसी कोर्सेस फी आणि त्याच्या खर्चाबाबतचा ठराव

प्रस्ताव : महाविद्यालयातील विद्यार्थिनींनी पारंपरिक शिक्षणाबरोबरच विविध कौशल्ये आत्मसात करून त्यांनी आत्मनिर्भर व्हावे यासाठी महाविद्यालयात एकूण 22 शॉर्ट टर्म कोर्स व ३ सी. ओ. सी. कोर्स राबविले जात आहेत. या शॉर्ट टर्म व सी. ओ. सी. कोर्सेस साठी महाविद्यालयातील विद्यार्थी प्रवेशित होत असतात. या कोर्स साठी रु. ५००/- एवढी फी प्रति विद्यार्थी आकारली जाते. सदर प्रत्येक कोर्समधून जमा होणाऱ्या फी पैकी GST व प्रमाणपत्र खर्च वजाकरता उर्वरित रकमेच्या ४०% रक्कम कोर्सच्या मानधनासाठी खर्च करावी व ६०% रक्कम महाविद्यालयाच्या विकासासाठी खर्च करण्यात यावी.

तांत्रिक माहिती: महाविद्यालयात कला, वाणिज्य, विज्ञान, बी.एस्सी.कॉम्प्युटर सायन्स, बी.एस्सी.कॉम्प्युटर सायन्स (इन्टायर) तसेच एम.ए. इंग्लीश, एम.कॉम.(आएटी), एम. एस्सी.केमिस्ट्री, एम. एस्सी. संख्याशास्त्र इ. विद्याशाखांमध्ये महाविद्यालयाचे शैक्षणिक कामकाज सुरू आहे. चालू वर्षात महाविद्यालयात एकूण १२३२ विद्यार्थिनींनी प्रवेश घेतला आहे. तसेच विद्यार्थ्यांना विद्यापीठाच्या अभ्यासक्रमाव्यतिरिक्त त्यांच्या विषयाच्या अनुषंगाने तसेच इतर कौशल्य विकसित व्हावित यासाठी गेली अनेक वर्षे महाविद्यालयातील विद्यार्थिनींना खालील शॉर्ट टर्म व सी. ओ. सी. कोर्सेसची संधी उपलब्ध करून देण्यात आली आहे. यामध्ये

Sr.No	Course Name	Fee
1	Biodiversity Conservation	500/-
2	Understanding of Basic Electronics Devices	500/-
3	Secretarial Training	500/-
4	Preparation of Household Chemical	500/-
5	Mudritshoduan koushalya (मुद्रितशोधन)	500/-
6	Application of MS.Excel in Statistics	500/-
7	Advanced Excel	500/-
8	Computation of statistics using R-Software	500/-
9	Exploratory Data Analysis Using MS- Excel	500/-
10	Computation of Statistics using open source software	500/-
11	Entrepreneurs Development	500/-
12	Retail Marketing	500/-
13	Yoga & meditation	500/-
14	Introducing Forts in Maharashtra	500/-
15	Event Management	500/-
16	Foundry Technology	500/-
17	Anuvad Siddhant Aur Prayog (अनुवाद सिद्धांत और प्रयोग),	500/-
18	Certificate course in Vermitechnology	500/-
19	Fashion Designing	500/-
20	Beauty Parlour	1,000/-
21	Flower Arrangement and Ikebana	500/-
22	A short term course in English communication skills of vidya probodhini	500/-



यासारखे कोर्सेस उपलब्ध करून दिले जातात. सदर शॉर्ट टर्म व सी. ओ. सी. कोर्सेस पूर्ण करून महाविद्यालयातील अनेक विद्यार्थ्यांनी स्वतःचे व्यवसाय सुरू करून ते स्वावलंबी होऊ शकतात.

आर्थिक तरतूद : महाविद्यालयामध्ये प्रवेश घेतलेल्या विद्यार्थ्यांपैकी जे विद्यार्थी सदर कोर्सेस साठीही प्रवेश घेतात त्या विद्यार्थ्यांकडून प्रति विद्यार्थी प्रति कोर्स साठी रुपये ५००/- या प्रमाणे फी आकारली जाते सदर प्रत्येक कोर्समधून जमा होणाऱ्या फी पैकी GST व प्रमाणपत्र खर्च वजाकरता उर्वरित रकमेच्या ४०% रक्कम कोर्सच्या मानधना साठी खर्च करावी व ६०% रक्कम महाविद्यालयाच्या विकासासाठी खर्च करण्यास यावी.

कार्यालयाचे मत: महाविद्यालयामध्ये सुरू असलेले शॉर्ट टर्म व सी. ओ. सी. कोर्सेस हे विद्यार्थिनींच्याबरोबरच महाविद्यालयाच्या विकासासाठी उपयुक्त आहेत. या माध्यमातून अनेक विद्यार्थ्यांना आपले स्वतंत्र व्यवसाय सुरू केले आहेत. त्यामुळे सदर शॉर्ट टर्म कोर्सेसमधून विद्यार्थिनींच्या कौशल्याबरोबरच महाविद्यालयास चांगल्या प्रकारचे उत्पन्न प्राप्त होत असते. सदर उत्पन्नातून प्रत्यक्ष खर्च करण्यात येणाऱ्या ४०% रकमेचे खर्चाची विवरण खालील प्रमाणे करण्यात यावा

1. जमा होणाऱ्या फी पैकी GST व प्रमाणपत्र खर्च वजाकरता उर्वरित रकमेच्या ४०% रक्कम, व कोर्स अध्यापन, मानधन, स्टेशनरी, पुस्तके व अनुषंगिक इतर सर्व खर्च
2. जमा होणाऱ्या फी पैकी GST व प्रमाणपत्र खर्च वजाकरता उर्वरित रकमेच्या ४०% रक्कम वजा करता उर्वरित ६०% रक्कम महाविद्यालयात जमा करावी.

ठराव: महाविद्यालयाच्या सर्व विभागप्रमुखांची मिटींग मा. प्राचार्य उपस्थितीत दिनांक १३/०७/२०२४ रोजी पार पडली. सदर मिटींगमध्ये चर्चा करून सर्वानुमते महाविद्यालयामध्ये सुरू असलेले शॉर्ट टर्म व सी. ओ. सी. कोर्सेस हे विद्यार्थिनींच्याबरोबरच महाविद्यालयाच्या विकासासाठी उपयुक्त आहेत. त्यामुळे सदर शॉर्ट टर्म कोर्सेसमधून विद्यार्थिनींच्या कौशल्याबरोबरच महाविद्यालयास चांगल्या प्रकारचे उत्पन्न प्राप्त होत असते. त्यामुळे सदर कोर्सेस चालू करावेत व प्रति कोर्सेसकरिता रुपये ५०० फी घ्यावी व त्या जमा होणाऱ्या एकूण फी च्या मधून GST व प्रमाणपत्र खर्च वजाकरता उर्वरित रकमेच्या ४०% रक्कम ही कोर्स अध्यापन, मानधन, स्टेशनरी, पुस्तके व अनुषंगिक इतर बाबीवर खर्च करावी व उर्वरित उर्वरित ६०% रक्कम महाविद्यालयात जमा करावी. असे सर्वानुमते ठरले. सदर मिटींग करिता खालील विभाग प्रमुख उपस्थितीत होते करण्यास महाविद्यालय विकास समितीची मान्यता देण्यात येत आहे.

सूचक: डॉ. लवेकर एस. एस.

अनुमोदक: डॉ. पाटील आर. सी.

ठराव सर्वानुमते मंजूर

सदर मिटींग करिता खालील विभाग प्रमुख उपस्थितीत होते

- 1) डॉ. पुणताबेकर बी. एस. - B.S.P.
- 2) डॉ. कन्नाडे एम. के. - Kanna
- 3) डॉ. कदम एम. डी. - Kadam
- 4) डॉ. खोले एस. सी. - Khole
- 5) डॉ. लवंगारे जी. एम. - Lavangare
- 6) डॉ. फरास एस. ए. - Faras
- 7) डॉ. लवेकर एस. एस. - Lavekar
- 8) डॉ. पाटील आर. सी. - Patil
- 9) डॉ. पाटील ए. आर. - Patil
- 10) डॉ. पीस्ते पी. बी. - Piste
- 11) डॉ. शेख एस. डी. - Sheikh
- 12) श्री. शेडगे एस. डी. - Shedge
- 13) श्री. चौगुले पी. एस. - Chougale
- 14) श्रीमती शेख झेड. जे. - Sheikh
- 15) श्रीमती मालवेकर डी. ए. - Malvekar



राजर्षी छत्रपती शाहू कॉलेज, कोल्हापूर

प्राचार्य,
राजर्षी छ. शाहू कॉलेज,
कोल्हापूर.

**“Education through self-help is our motto”-Karmveer
Rayat Shikshan Sanstha’s
Rajarshi Chhatrapati Shahu College, Kolhapur
Department of Statistics
Information regarding Skill Development Courses/Career Oriented Courses**

Name of the Department: Department of Statistics

Course name: Certificate Course in Advanced Excel

Course Coordinator name & Contact number: Dr. Tejaswi S. Kurane (8928650101)

Implementation Year: 2022

Duration: 16 days

Course Fee: Rs. 500/-

Eligibility: It's suitable for post-graduate and researchers from any field that uses statistical computing.

Minimum intake Capacity: 20

Objectives of the Course:

This course aims to provide knowledge about how to

- Apply advanced formulas to lay data in readiness for analysis
- Use advanced techniques for report visualizations
- Understand various statistical methodologies of summarizing data

Learning Outcomes: At the end of the course, students should be able to:

- Import and export data from other applications.
- Share workbooks with others.
- Identify the different components of the Excel worksheet.
- Open an existing workbook and create a new workbook
- Save and print workbooks.
- Enter text and formulas in to an Excel spreadsheet
- Work with cell references.

- Create a spreadsheet to tabulate and record numeric values
- Learn to use functions and formulas.
- Create and edit charts and graphics.
- Create, sort, and filter table data
- Differentiate between formulas and functions in Excel.
- Save and print workbooks.
- Construct formulas, including the use of built-in functions, and relative and absolute references.
- Create charts and share information.

Syllabus:

1. Why Microsoft Excel?

1.1 Introduction to Ms-Excel, features of Ms-Excel, starting and ending of Ms-Excel, getting help in Ms-Excel.

1.2 workbooks and worksheets, moving the cell pointer, Excel file operations, opening file, entering data, text entry, text editing, copying cells contents, spell check, formatting numbers in cells, cells merging, alignment property page,

1.3 Writing and using formulae in Excel

1.4 Mathematical and Statistical Functions using Excel.

a) Absolute value, combination, Exponent, Factorial, multinomial, Random numbers, Square root, sum.

b) Statistical Functions: Mean, geometric mean, Harmonic mean, mode, median, quartile, deciles, percentiles, variance.

2. Diagrams:

Simple bar diagram, subdivided bar diagram, multiple bar diagram, Pie diagram

3. Graphs:

Histogram (both equal and unequal class intervals), frequency polygon, ogive curves, empirical distribution function.

4. Measures of central Tendency:

Computation of following measures for all types of data. Mean, mode, median, quartiles, Deciles, Percentiles, Geometric mean, Harmonic mean.

5. Measures of dispersion:

Computation of following measures for all types of data. Range, Quartile Deviation, Variance, Standard Deviation, Coefficient of Variation, Mean Deviation, Mean Squared Deviation.

6. Cell formatting, conditional formatting, Data manipulation using EXCEL: sort and filter find and replace, text to columns, remove duplicate, data validation, consolidate, what-if-analysis. Working with Multiple Worksheets and Workbooks. Built-in mathematical and statistical functions for obtaining descriptive statistic, computing PMF/PDF, CDF and quantiles of the well-known distributions, rand and randbetween function, Logical functions: if, and, or, not. Lookup functions: hlookup, vlookup, Formula Errors, Creating and Working with Charts, Database functions, Text functions, Date and time functions, Excel add-ins: analysis tool pack, Pivot tables and charts.