



Maharana Pratapsinh Shikshan Sanstha, Mumbai's
Anandibai Raorane Arts, Commerce & Science College, Vaibhavwadi

Department of Statistics

ACTIVITY REPORT



ACADEMIC YEAR	2023-24
Activity No.	Statistics/23-24/06
Name of the Activity	Certificate Course on Data Analysis Using My-SQL.
Date	19 August 2023 - 14 December 2023 (45 Lectures)
Time	
Venue	T.Y.B.Com. Classroom
Organized by	Department of Statistics
Co-Ordinator	Mr. S.S. Bhasker
Activity for College/Class/Group	Class
No. of Beneficiaries	48
Nature: Academic/Co-curricular/Extra-curricular/Extension	Academic
Objectives of Activity	To facilitate and to gain expertise in advanced techniques of My-SQL. To enhance the technical knowledge in My-SQL.
Brief Information about Activity	As per the Notice of the course, syllabus, timetable has been prepared and 45 lectures of course have been conducted. All the lectures of this course have been taken. Theory and Practical Exam has been conducted of 100 Marks. Result of exam was declared and Certificates of the course were distributed to the students.
Outcome	After participating in this certificate course, the students understood the basic concepts in My-SQL software & enhanced the technical knowledge in My-SQL.
Feedback Analysis	The Oral feedback was taken after the event. From the response of the students, it was found that the course was successful. No suggestions were given.
Supported Documents	Activity report, Notice, list of students, timetable, attendance.

S.S. Bhasker

Course Coordinator

(S.S. Bhasker)

C. S. Kade
Principal

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Department of Statistics

Date-12/08/2023

NOTICE



All students are hereby informed that Department of Statistics is going to start Short Term Certificate Course in “**Data Analysis Using My-SQL**” in the FIRST term of academic year 2023-24 from **19 August 2023 - 14 December 2023**. The interested candidates are informed to register their names to Prof. *Dr. J.S. Bhaskar* on or before **18 August 2023**.

J.S. Bhaskar
Course Coordinator
(J.S. Bhaskar)

C. S. Kulkarni
Principal
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Department of Statistics

A Certificate Course in

Title: - Data Analysis Using My -SQL (2023-24)

Duration: 19 August 2023 - 14 December 2023 (45 Lectures)



Objectives

1. To enhance the technical knowledge in My SQL in the students.
2. We Endeavour to make this department as an advanced Center of innovation in Software technologies.
3. To retain student attachment and upgrade the standards of teaching, learning and research to match global level of excellence.

Syllabus

UNIT I

(11 Lectures)

- a) Introduction: To Databases, Relational and Non-relational database system MySQL as a Non-procedural Language. View of data.

UNIT II

(11 Lectures)

- b) SQL Basics : Statements (Schema Statements, Data statements, Transaction statements, names (table & column names), data types (Char, Varchar, Text, Medium text, Longtext, Smallint, Bigint, Boolean, Decimal, Float, Double, Date, Date Time, Timestamp, Year, Time, Creating Database, inserting data, Updating data, Deleting data, expressions, built-in-functions, missing data(NULL and NOT NULL DEFAULT values) CREATE, USE, ALTER (Add, Remove, Change columns), RENAME, SHOW, DESCRIBE (CREATE TABLE, COLUMNS, STATUS and DATABASES only) and DROP (TABLE, COLUMN, DATABASES statements), PRIMARY KEY FOREIGN KEY (One and more columns) Simple Validity checking using CONSTRAINTS.

UNIT III

(11 Lectures)

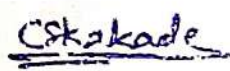
- c) Simple queries: The SELECT statement (From, Where, Group By, Having, Order By, Distinct, Filtering Data by using conditions. Simple and complex conditions using logical, arithmetic and relational operators (=, !=, <, >, <=>, AND, OR, NOT, LIKE, BETWEEN).
- d) Multi-table queries: Simple joins (INNER JOIN), SQL considerations for multi table queries (table aliases, qualified column names, all column selections self joins).

Technical (Lab.) Sessions/ Practical's

(12 Lectures)

1. Tabulation and Graphical representation of data
2. Use of Statistical and Mathematical Functions (Basic Functions, Measures of Central Tendency and Dispersion)
3. Use of Financial functions
4. One sample and two sample statistical tests
5. Pivot Tables and Pivot Chart


(S.S. Phaskekar)


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Course End Examination

• **Theory**

Theory Exam - **50 Marks**

At the end of course, Theory examination of 2 hours duration and **50 marks** based on syllabus shall be held.

• **Practical**

Practical Exam - **50 Marks**

At the end of course, Practical examination of 2 hours duration and **40 marks** based on syllabus shall be held. **10 marks** for VIVA. **(40+10=50)**

Pattern of Question paper.

• **Theory**

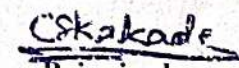
Question one based on all units. Ten sub-questions of **2 marks** each.

Question two based on all units. Three sub-questions of **10 marks** each.

• **Practical**

There should be Four Questions of **10 marks** each. Students should attempt all questions.


Course Coordinator
(S. S. Bhaskar)


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Department of Statistics

Certificate course in "Data Analysis using My-SQL 2023-24"
 (Duration: 19 August 2023 - 14 December 2023) (45 Lectures)

Student List



Sr. No	Name of Students	Class
1	Bobhate Prerana Prakash Pratiksha	T.Y.B.Com.
2	Chavan Devika Subhash Shubhada	T.Y.B.Com.
3	Dafale Avadhut Santosh Sumitra	T.Y.B.Com.
4	Dongare Sahil Mahadev Meghna	T.Y.B.Com.
5	Ghagare Pratik Prakash Prajakta	T.Y.B.Com.
6	Ghawali Vitthal Dnyaneshwar Sanjivani	T.Y.B.Com.
7	Gurav Rushikesh Adinath Darshana	T.Y.B.Com.
8	Gurav Saloni Suryakant Sujata	T.Y.B.Com.
9	Gurav Samiksha Santosh Sushama	T.Y.B.Com.
10	Gurav Siddhesh Shivaji Namrata	T.Y.B.Com.
11	Indap Kasturi Dattatray Sharada	T.Y.B.Com.
12	Iswalkar Chetan Parshuram Pooja	T.Y.B.Com.
13	Jambhale Sachin Sakharam Suvarna	T.Y.B.Com.
14	Jangam Sanchit Sunil Shital	T.Y.B.Com.
15	Kadam Chaitali Anant Anita	T.Y.B.Com.
16	Kadam Rakesh Sunil Supriya	T.Y.B.Com.
17	Kamble Yuvraj Baban Ankita	T.Y.B.Com.
18	Khambal Ganesh Jagannath Jagruti	T.Y.B.Com.
19	Kharat Sunil Pradip Gangubai	T.Y.B.Com.
20	Malkar Chinmay Vilas Vina	T.Y.B.Com.
21	Mirashi Pranay Prakash Priya	T.Y.B.Com.
22	More Tejas Vilas Kalpana	T.Y.B.Com.
23	Nagap Darshan Prasanna Supriya	T.Y.B.Com.
24	Nagap Renuka Suresh Surekha	T.Y.B.Com.
25	Narkar Jagruti Dipak Jyoti	T.Y.B.Com.
26	Padilkar Rohit Balkrushna Bhagyashri	T.Y.B.Com.
27	Parabate Rohan Ravindra Sujata	T.Y.B.Com.
28	Patil Geeta Balvant Aarati	T.Y.B.Com.
29	Patil Sakshi Satyavan Sanjivani	T.Y.B.Com.
30	Patil Samiksha Santosh Prerana	T.Y.B.Com.
31	Pawar Shubham Suryakant Supriya	T.Y.B.Com.
32	Ramdul Ramjan Mahammadhanif Julekha	T.Y.B.Com.

(S.S. Bhaskar)

C. K. Kade
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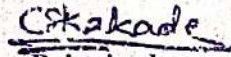


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33	Raorane Amruta Ashok Arati	T.Y.B.Com.
34	Raorane Suraj Swapnil Manasi	T.Y.B.Com.
35	Raorane Yash Vilas Pradnya	T.Y.B.Com.
36	Sakharpekar Pooja Prakash Priti	T.Y.B.Com.
37	Salavi Runali Mahesh Megha	T.Y.B.Com.
38	Salunkhe Tanaya Narayan Vandana	T.Y.B.Com.
39	Sansare Dipak Digambar Dipti	T.Y.B.Com.
40	Sawant Pratiksha Prabhakar Pramila	T.Y.B.Com.
41	Sawant Sanjeevani Satyawar Supriya	T.Y.B.Com.
42	Sawant Sitaram Satyawar Supriya	T.Y.B.Com.
43	Shinde Mayur Ajay Maya	T.Y.B.Com.
44	Shinde Shruti Santosh Savita	T.Y.B.Com.
45	Shivgan Aditya Prakash Pramila	T.Y.B.Com.
46	Shivgan Ritesh Gurunath Ankita	T.Y.B.Com.
47	Tawade Harshada Pradip Prachi	T.Y.B.Com.
48	Teli Deepa Dinesh Divya	T.Y.B.Com.


Course Coordinator
S. S. Bhasbhar


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Mark Sheet

Sr. No	Name of Students	Class	Grade
1	Bobhate Prerana Prakash Pratiksha	T.Y.B.Com.	A
2	Chavan Devika Subhash Shubhada	T.Y.B.Com.	A
3	Dafale Avadhut Santosh Sumitra	T.Y.B.Com.	A
4	Dongare Sahil Mahadev Meghna	T.Y.B.Com.	A
5	Ghagare Pratik Prakash Prajakta	T.Y.B.Com.	A
6	Ghawali Vitthal Dnyaneshwar Sanjivani	T.Y.B.Com.	A
7	Gurav Rushikesh Adinath Darshana	T.Y.B.Com.	A
8	Gurav Saloni Suryakant Sujata	T.Y.B.Com.	A
9	Gurav Samiksha Santosh Sushama	T.Y.B.Com.	A
10	Gurav Siddhesh Shivaji Namrata	T.Y.B.Com.	A
11	Indap Kasturi Dattatray Sharada	T.Y.B.Com.	A
12	Iswalkar Chetan Parshuram Pooja	T.Y.B.Com.	A
13	Jambhale Sachin Sakham Suvarna	T.Y.B.Com.	A
14	Jangam Sanchit Sunil Shital	T.Y.B.Com.	A
15	Kadam Chaitali Anant Anita	T.Y.B.Com.	A
16	Kadam Rakesh Sunil Supriya	T.Y.B.Com.	A
17	Kamble Yuvraj Baban Ankita	T.Y.B.Com.	A
18	Khambal Ganesh Jagannath Jagruti	T.Y.B.Com.	A
19	Kharat Sunil Pradip Gangubai	T.Y.B.Com.	A
20	Malkar Chinmay Vilas Vina	T.Y.B.Com.	A
21	Mirashi Pranay Prakash Priya	T.Y.B.Com.	A
22	More Tejas Vilas Kalpana	T.Y.B.Com.	A
23	Nagap Darshan Prasanna Supriya	T.Y.B.Com.	A
24	Nagap Renuka Suresh Surekha	T.Y.B.Com.	A
25	Narkar Jagruti Dipak Jyoti	T.Y.B.Com.	A
26	Padilkar Rohit Balkrushna Bhagyashri	T.Y.B.Com.	A
27	Parabate Rohan Ravindra Sujata	T.Y.B.Com.	A
28	Patil Geeta Balvant Aarati	T.Y.B.Com.	A
29	Patil Sakshi Satyavan Sanjivani	T.Y.B.Com.	A
30	Patil Samiksha Santosh Prerana	T.Y.B.Com.	A
31	Pawar Shubham Suryakant Supriya	T.Y.B.Com.	A
32	Ramdul Ramjan Mahammadhanif Julekha	T.Y.B.Com.	A

(S.S. Bheskar)

C. K. Kade

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33	Raorane Amruta Ashok Arati	T.Y.B.Com.	A
34	Raorane Suraj Swapnil Manasi	T.Y.B.Com.	A
35	Raorane Yash Vilas Pradnya	T.Y.B.Com.	A
36	Sakharpekar Pooja Prakash Priti	T.Y.B.Com.	A
37	Salavi Runali Mahesh Megha	T.Y.B.Com.	A
38	Salunkhe Tanaya Narayan Vandana	T.Y.B.Com.	A
39	Sansare Dipak Digambar Dipti	T.Y.B.Com.	A
40	Sawant Pratiksha Prabhakar Pramila	T.Y.B.Com.	A
41	Sawant Sanjeevani Satyawar Supriya	T.Y.B.Com.	A
42	Sawant Sitaram Satyawar Supriya	T.Y.B.Com.	A
43	Shinde Mayur Ajay Maya	T.Y.B.Com.	A
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47	Tawade Harshada Pradip Prachi	T.Y.B.Com.	A
48	Teli Deepa Dinesh Divya	T.Y.B.Com.	A



Course Coordinator

S. S. Bhoskar


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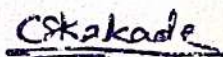
Certificate course in "Data Analysis using My-SQL 2023-24"

(Duration: 19 August 2023 - 14 December 2023) (45 Lectures)

Result Analysis

Grade	O	A	B	C	D	TOTAL
No. of Students	00	48	-	-	-	48


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Feedback Form



1. Were objectives of the course clear to you

☒ a) Yes b) No

2. The course content met with your expectation

a) Strongly agree ☒ b) Agree c) Not sure d) Disagree

3. The exposed you to new knowledge and practices

a) Strongly agree ☒ b) Agree c) Not sure d) Disagree

4. The lectures were clear and easy to understand

☒ a) Strongly agree b) Agree c) Not sure d) Disagree

5. The teaching aids were effectively used

☒ a) Strongly agree b) Agree c) Not sure d) Disagree

6. Please give overall rating of course

☒ a) 80-100% b) 60-80% c) 40-60% d) below 40%

7. Any suggestions

No suggestions.

Date 14-12-2023

DChavan

Signature of the student

Devika Subhash Chavan.



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(Duration: 19 August 2023 - 14 December 2023) (45 Lectures)

Students Attendance

[illegible]



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[illegible]



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[illegible]



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[illegible]

Officer /
(G. S. Chakraborty)

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