



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dindigul – Palani Highway, Dindigul – 624 002

Department of Computer Science and Engineering

Value Added Course Summary 2020-2021

Course Name: "PHP and MySQL"

Course Duration: 45 hours

Year Offered: 2020-2021

Course Instructors: Ms. V. Nivethitha, Assistant Professor/CSE

Ms. S. Bharathi, Assistant Professor/CSE

Course Outcome:

On completion of the course, students will be able to learn different ways of connecting to MySQL through PHP, and how to create tables, enter data, select data, change data, and delete data. And learnt to connect to SQL Server and other data sources.

Course Type: Self Framed

Assessment Mode

Attendance: 45 hours

Number of Participants: 55

Scheme of Exam: MCQ through Online of PHP and MySQL

[Signature]
Course Co-ordinator

V. Bharathi
HoD

Dr. D. SENTHIL KUMARAN, M.E., Ph.D., (NUS)
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Dindigul Road, Dindigul 624 002



12.01.2021

From

Dr.V.Shunmughavel,
Prof & Head/CSE,
SSM Institute of Engineering and Technology,
Dindigul – Palani Highway,
Dindigul.

To

The Principal,
SSM Institute of Engineering and Technology,
Dindigul – Palani Highway,
Dindigul.

Respected Sir,

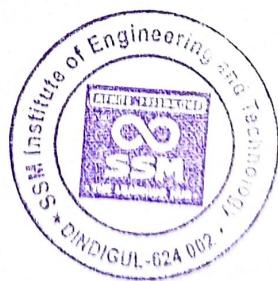
Sub: Requisition for conducting technology training on PHP and MySQL-reg.

We wish to bring to your kind notice that an Online Technology Training is planned to be conducted for II CSE on “**PHP and MySQL**”, by Ms.S.Bharathi, AP/CSE, Ms.V.Nivedhitha, AP/CSE, SSM Institute of Engineering and Technology, Dindigul, from **18.01.2021 to 23.01.2021**. In this regard, we seek your permission for the conduct of the training programme.

Thanking you,

Yours truly,

(Dr.V.Shunmughavel)

Ms.S.Bharathi, AP/CSE,
Ms.V.Nivedhitha, AP/CSE

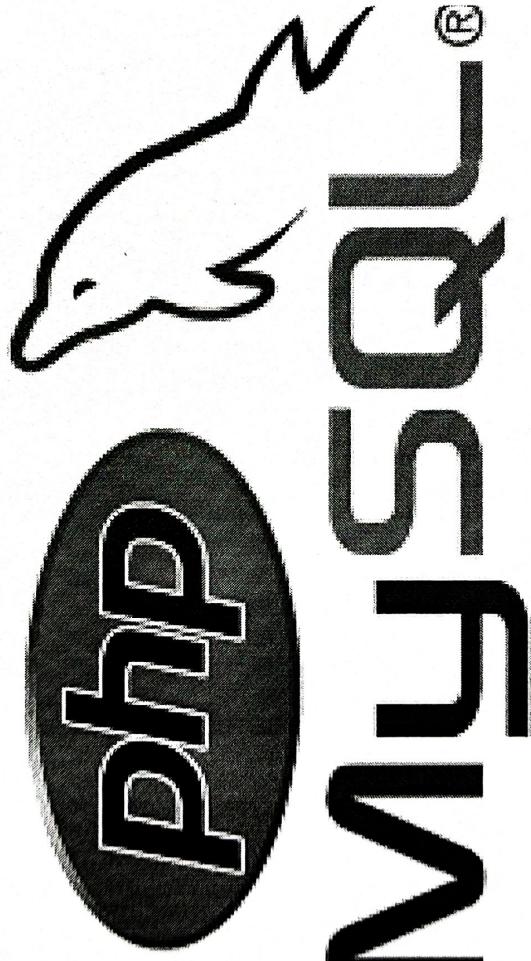
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PRINCIPAL



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY
DINDIGUL

Online Value Added Course on
PHP & MySQL



R. M.

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For II - Year CSE Students

From 18.01.2021 to 23.01.2021

Jay Ganesh
Program
Coordinator

V. Balaji
HoD/CSE

D. Senthil Kumaran
Principal



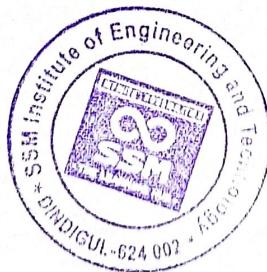
SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Timing: 9.30 a.m to 4.30 p.m

S.NO	DATE	TOPICS TO BE COVERED	COURSE INSTRUCTOR
1.	18.01.2021	INTRODUCTION TO ARCHITECTURES FOR DATABASE ACCESS	Ms.S.Bharathi, AP/CSE Ms.V.Nivedhitha, AP/CSE
2.	19.01.2021	DATABASE ACCESS WITH PHP/MySQL PUTTING CONTENT INTO DATABASE WITH PHP	
3.	20.01.2021	PYTHON MySQL	
4.	21.01.2021	STORED PROCEDURES IN MySQL	
5.	22.01.2021	JDBC AND SQLi	
6.	23.01.2021	EXAMPLE EXERCISES	

HoD/CSE


Principal

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1: Importing Packages

```
//Import packages
import java.sql.*; //JDBC packages
import java.math.*;
import java.io.*;
import oracle.jdbc.driver.*;
```

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4. Creating a Statement Object

```
// Suppose Books has attributes isbn, title, author,
// quantity, price, year. Initial quantity is always
// zero; ?'s are placeholders

String sql = "INSERT INTO Books VALUES(?,?,?,?,?,?)";
PreparedStatement pstmt = conn.prepareStatement(sql);

// now instantiate the parameters with values.
// Assume that isbn, title, etc. are Java variables
// that contain the values to be inserted.

pstmt.clearParameters();
pstmt.setString(1, isbn);
pstmt.setString(2, title);
pstmt.setString(3, author);
pstmt.setFloat(5, price);
pstmt.setInt(6, year);
```

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2. Registering JDBC Drivers

```
class MyExample {
public static void main (String args []) throws
SQLException {
}

// Load Oracle driver

Class.forName("oracle.jdbc.driver.OracleDriver")

// Or:
//DriverManager.registerDriver (new oracle.jdbc.driver.OracleDriver());
```

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5. Executing a Query, Returning Result Set 6. Processing the Result Set

```
// The executeUpdate command is used if the SQL statm does not return any
// records (e.g. UPDATE, INSERT, ALTER, and DELETE stmts).
// Returns an integer indicating the number of rows the SQL statm modified.

int numRows = pstmt.executeUpdate();

// If the SQL statement returns data, such as in a SELECT query, we use
// executeQuery method

String sqlQuery = "SELECT title, price FROM Books
WHERE author=?";
PreparedStatement pstmt2 = conn.prepareStatement
(sqlQuery);
pstmt2.setString(1, author);
ResultSet rset = pstmt2.executeQuery ();

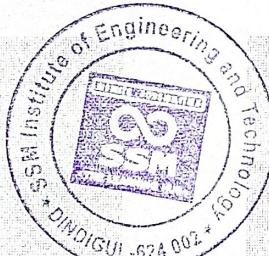
// Print query results the (1) in getString refers to the title value, and
the (2) refers to the price value

while (rset.next ())
System.out.println (rset.getString (1)+ " " +
rset.getFloat(2));
```

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Connection Class Interface (2)

- ❖ public boolean isClosed()
Checks whether connection is still open.
- ❖ connectionname.close()
Close the connection connectionname



Common ResultSet Methods (2)

RETRIEVE VALUES FROM COLUMNS

getString(string columnName):	Retrieves the value of designated column in current row
getString(int columnIndex)	Retrieves the value of designated column in current row
getFloat (string columnName)	Retrieves the value of designated column in current row

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Matching Java and SQL Data Types

PreparedStatement

```
String sql="INSERT INTO Sailors VALUES(?,?,?,?,?)";
PreparedStatement pstmt=con.prepareStatement(sql);
pstmt.clearParameters();
pstmt.setInt(1,sid);
pstmt.setString(2,sname);
pstmt.setInt(3, rating);
pstmt.setFloat(4,age);

int numRows = pstmt.executeUpdate();
```

Connection name

Good style to always clear

Setting parameter values
sid, sname, rating, age are Java
variables

Number of
rows modified

Use executeUpdate() when
no rows are returned

SQL Type	Java class	ResultSet get method
BIT	Boolean	getBoolean()
CHAR	String	getString()
VARCHAR	String	getString()
DOUBLE	Double	getDouble()
FLOAT	Double	getDouble()
INTEGER	Integer	getInt()
REAL	Double	getFloat()
DATE	java.sql.Date	getDate()
TIME	java.sql.Time	getTime()
TIMESTAMP	java.sql.Timestamp	getTimestamp()

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SQL Data Types

BIT	A boolean value
CHAR(<i>n</i>)	A character string of fixed length <i>n</i>
VARCHAR(<i>n</i>)	A variable-length character string with a maximum length <i>n</i>
DOUBLE	A double-precision floating point value
FLOAT(<i>p</i>)	A floating point value with a precision value <i>p</i>
INTEGER	A 32-bit signed integer value
REAL	A high precision numeric value
DATE	A day/month/year value
TIME	A time of day (hour, minutes, second) value
TIMESTAMP	A day/month/year/hour/minute/second value

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JDBC Equivalent

```

String sqlQuery = "SELECT title, price FROM Books
WHERE author=?";
PreparedStatement pstmt2 = conn.prepareStatement(sqlQuery);
pstmt2.setString(1, author);
ResultSet rset = pstmt2.executeQuery ();

// Print query results. The (1) in getString refers
// to the title value, and the (2) refers to the
// price value

while (rset.next ())
System.out.println (rset.getString (1)+ " " +
rset.getFloat(2));

```

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SQLJ

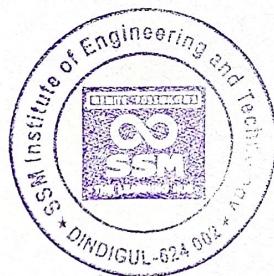
- ❖ Embedded SQL for Java
- ❖ SQLJ is similar to existing extensions for SQL that are provided for C, FORTRAN, and other programming languages.
- ❖ IBM, Oracle, and several other companies have proposed SQLJ as a standard and as a simpler and easier-to-use alternative to JDBC.

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SQLJ Advantage

- ❖ Can check for program's errors at translation-time rather than at run-time
- ❖ Can write an application that is deployable to other databases
 - SQLJ allows users to customize the static SQL for that database at deployment-time.
- ❖ Can work with a database that contains compiled SQL
 - Cannot compile SQL statements in a JDBC program.

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JDBC Steps

- 1) Importing Packages
- 2) Registering the JDBC Drivers
- 3) Opening a Connection to a Database
- 4) Creating a Statement Object
- 5) Executing a Query and Returning a Result Set
- 6) Object
- 7) Processing the Result Set
- 8) Closing the Result Set and Statement Objects
- 9) Closing the Connection

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3. Connections in JDBC

- ❖ We interact with a data source through sessions.
- ❖ A session is started through creation of a Connection object
- ❖ Each connection identifies a logical session with a data source
- ❖ Connections are specified through a URL that uses the jdbc protocol: jdbc:<subprotocol>:<otherParameters>

Example:

```
Host           Port
String url="jdbc:oracle:www.bookstore.com:3083";
Connection con;
try{
    con = DriverManager.getConnection(url,userd,password);
} catch(SQLException except) { ... }
```

Different drivers have slightly different URL formats - check the documentation

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Executing SQL Statements

- ❖ Three different ways of executing SQL statements:

1. Statement (both static and dynamic SQL statements)
2. PreparedStatement (semi-static SQL statements)
3. CallableStatement (stored procedures)

- ❖ PreparedStatement class:

Used to create precompiled, parameterized SQL statements

- SQL structure is fixed
- Values of parameters are determined at run-time

- ❖ Example

▪ <https://docs.oracle.com/javase/tutorial/jdbc/basics/prepared.html>

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3. Opening Connection to a Database

// Prompt user for username and password

```
String user;
String password;
user = readEntry("username: ");
password = readEntry("password: ");
```

// Connect to the database

```
Connection conn = DriverManager.getConnection
("jdbc:oracle:thin:@apollo.ite.gnu.edu: 1521:ite10g", user, password);
```

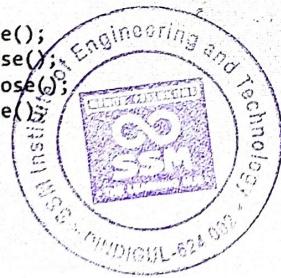
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7. Closing the Result Set and Statement Objects

8. Closing the Connection

```
// close the result set, statement,
// and the connection

rset.close();
pstmt.close();
pstmt2.close();
conn.close();
}
```



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Connection Class Interface (1)

- ❖ void setTransactionIsolation(int level)
 Sets isolation level for the current connection
- ❖ public int getTransactionIsolation()
 Get isolation level of the current connection
- ❖ void setReadOnly(boolean b)
 Specifies whether transactions are read-only
- ❖ public boolean getReadOnly()
 Tests if transaction mode is read-only
- ❖ void setAutoCommit(boolean b)
 - If autocommit is set, then each SQL statement is considered its own transaction.
 - Otherwise, a transaction is committed using commit(), or aborted using rollback().
- ❖ public boolean getAutoCommit()
 Test if autocommit is set

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ResultSet Example

- ❖ PreparedStatement.executeUpdate only returns the number of affected records
- ❖ PreparedStatement.executeQuery returns data, encapsulated in a ResultSet object
 - ResultSet is similar to a cursor
 - Allows us to read one row at a time
 - Initially, the ResultSet is positioned before the first row
 - Use next() to read the next row
 - next() returns false if there are no more rows

Common ResultSet Methods (1)

POSITIONING THE CURSOR

next()	Move to next row
previous()	Moves back one row
absolute(int num)	Moves to the row with the specified number
relative(int num)	Moves forward or backward (if negative)
first()	Moves to the first row
last()	Moves to the last row

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SQLJ

```
#sql { ... } ;
```

- ❖ SQL can span multiple lines
- ❖ Java host expressions in SQL statement

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SQLJ Example

```
String title; Float price; String author("Lee");

// declare iterator class

#sql iterator Books(String title, Float price);
Books books;

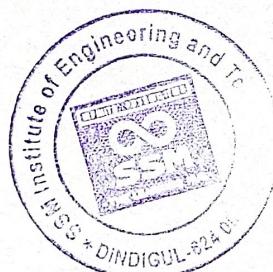
// initialize the iterator object books; sets the
// author, execute query and open the cursor

#sql books =
{SELECT title, price INTO :title, :price
FROM Books WHERE author=:author };
// retrieve results
while(books.next()){
System.out.println(books.title()+" "+books.price());
books.close();
```

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Example

```
mysql> select * from employee;
+----+-----+-----+-----+-----+
| id | name | superid | salary | bdate   | dno |
+----+-----+-----+-----+-----+
| 1  | john  |      3  | 100000 | 1960-01-01 | 1  |
| 2  | mary  |      3  | 50000  | 1964-12-01 | 3  |
| 3  | bob   |    NULL  | 80000  | 1974-02-07 | 3  |
| 4  | tom   |      1  | 50000  | 1978-01-17 | 2  |
| 5  | bill  |    NULL  | 100000 | 1985-01-20 | 1  |
+----+-----+-----+-----+-----+
```

```
mysql> select * from department;
+-----+-----+
| dnumber | dname  |
+-----+-----+
| 1       | Payroll |
| 2       | TechSupport |
| 3       | Research |
+-----+-----+
```

- Suppose we want to keep track of the total salaries of employees working for each department

```
mysql> create table deptsal as
        -> select dnumber, 0 as totalsalary from department;
Query OK, 3 rows affected (0.00 sec)
Records: 3  Duplicates: 0  Warnings: 0
```

```
mysql> select * from deptsal;
+-----+-----+
| dnumber | totalsalary |
+-----+-----+
| 1       |      0  |
| 2       |      0  |
| 3       |      0  |
+-----+-----+
```

We need to write a procedure to update the salaries in the deptsal table

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Example

```
mysql> delimiter //
```

Step 1:

Change the delimiter (i.e., terminating character) of SQL statement from semicolon (;) to something else (e.g., //) So that you can distinguish between the semicolon of the SQL statements in the procedure and the terminating character of the procedure definition

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Example

```
mysql> call updateSalary(1);
Query OK, 0 rows affected (0.00 sec)

mysql> call updateSalary(2);
Query OK, 1 row affected (0.00 sec)

mysql> call updateSalary(3);
Query OK, 1 row affected (0.00 sec)
```

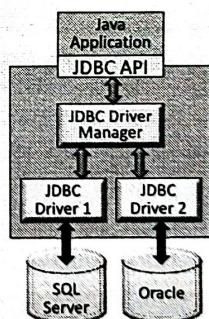
Step 4: Call the procedure to update the totalsalary for each department

Example

```
mysql> select * from deptsal;
+-----+-----+
| dnumber | totalsalary |
+-----+-----+
| 1       |      100000 |
| 2       |      50000  |
| 3       |     130000 |
+-----+-----+
3 rows in set (0.00 sec)
```

Step 5: Show the updated total salary in the deptsal table

Driver Manager

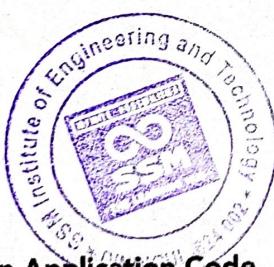


Drivers are registered with a driver manager

- Drivers are loaded dynamically on demand
- The application can access several different DBMS's simultaneously

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Part IV: JDBC and SQLJ



SQL in Application Code



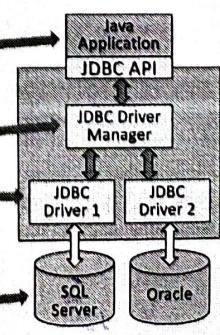
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JDBC: Architecture

Four architectural components:

- Application (initiates and terminates connections, submits SQL statements)
- Driver manager (loads JDBC driver and passes function calls)
- Driver (connects to data source, transmits requests and returns/translates results and error codes)
- Data source (processes SQL statements)



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- SQL commands can be called from within a host language (e.g., C++ or Java) program.
 - SQL statements can refer to host variables (including special variables used to return status).
 - Must include a statement to *connect* to the right database.
- Two main integration approaches:**
 - Embed SQL in the host language (Embedded SQL, SQLJ)
 - Create special API to call SQL commands (JDBC)

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Example

```
mysql> delimiter //
mysql> create procedure updateSalary (IN param int)
-> begin
->   update deptsal
->   set totalsalary = (select sum(salary) from employee where dno = param)
->   where dnumber = param;
-> end;
Query OK, 0 rows affected (0.01 sec)
```

Step 2:

- Define a procedure called updateSalary which takes as input a department number.
- The body of the procedure is an SQL command to update the totalsalary column of the deptsal table.
- Terminate the procedure definition using the delimiter you had defined in step 1 (//)

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Stored Procedures in MySQL

- Use show procedure status to display the list of stored procedures you have created

```
mysql> show procedure status;
+-----+-----+-----+-----+-----+
| Name | Create | CharacterSet | Collation | Database |
+-----+-----+-----+-----+-----+
| p1   | 2010-02-16 17:12:00 | 2010-02-16 17:21:00 | test    |
+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)
```

```
mysql> drop procedure updateSalary;
Query OK, 0 rows affected (0.00 sec)
```

- Use drop procedure to remove a stored procedure

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Example

```
mysql> delimiter //
mysql> create procedure updateSalary (IN param int)
-> begin
->   update deptsal
->   set totalsalary = (select sum(salary) from employee where dno = param)
->   where dnumber = param;
-> end;
Query OK, 0 rows affected (0.01 sec)

mysql> delimiter ;
```

Step 3: Change the delimiter back to semicolon (;

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Stored Procedures in MySQL

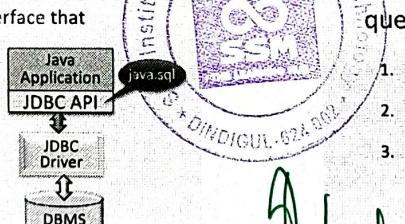
- You can declare variables in stored procedures
- You can use flow control statements (conditional IF-THEN-ELSE or loops such as WHILE and REPEAT)
- MySQL also supports cursors in stored procedures.
 - A cursor is used to iterate through a set of rows returned by a query so that we can process each individual row.
- To learn more about stored procedures, go to: <http://www.mysqltutorial.org/mysql-stored-procedure-tutorial.aspx>

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Database API Approaches

ODBC = Open DataBase Connectivity
JDBC = Java DataBase Connectivity

- JDBC is a collection of Java classes and interface that enables database access
- JDBC contains methods for
 - connecting to a remote data source,
 - executing SQL statements,
 - receiving SQL results
 - transaction management, and
 - exception handling
- The classes and interfaces are part of the java.sql package



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JDBC Driver Management

DriverManager class:

- Maintains a list of currently loaded drivers
- Has methods to enable dynamic addition and deletion of drivers

Two ways of loading a JDBC driver:

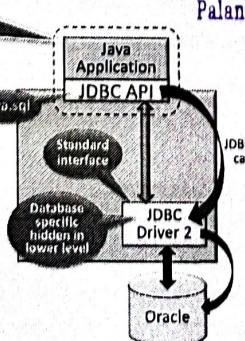
- In the Java code:

```
Class.forName("oracle/jdbc.driver.OracleDriver");
/* This method loads an instance of the driver class
```
- Enter at command line when starting the Java application:

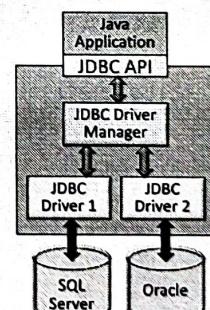
```
-Djdbc.drivers=oracle/jdbc.driver
```

This is achieved by introducing an extra level of indirection

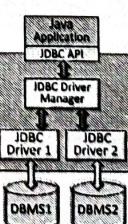
- A DBMS-specific "driver" traps the calls and translates them into DBMS-specific code



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Architectures for Database Access

- ❖ Microsoft Access Architecture
 - A tool to access any common database structure
 - Use either the Jet database engine, or go through the Open Database Connectivity (ODBC) standard
 - ODBC is an API for a set of objects and methods that are an interface to different databases
- ❖ Database vendors provide ODBC drivers for their products
 - The drivers implement the ODBC objects and methods
 - An application can include SQL statements that work for any database for which a driver is available

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Architectures for Database Access

- ❖ PHP & Database Access
 - An API for each specific database system
 - Also convenient for Web access to databases, because PHP is run on the Web server
- ❖ The Java JDBC Architecture
 - Related to both embedded languages and to ODBC
 - JDBC is a standard protocol that can be implemented as a driver for any database system
 - JDBC allows SQL to be embedded in Java applications, applets, and servlets
 - JDBC has the advantage of portability over embedded SQL
 - A JDBC application will work with any database system for which there is a JDBC driver

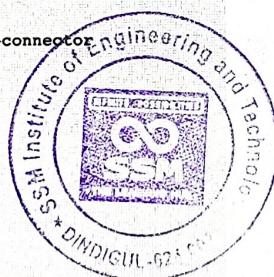
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Python MySQL

- ❖ Install MySQL Driver
Use pip or pip3: `pip3 install mysql-connector`
- ❖ Test MySQL Connector

```
import mysql.connector
```
- ❖ Establish a Connection

```
mydb = mysql.connector.connect(  
    host="localhost",  
    user="yourusername",  
    passwd="yourpassword"  
)  
print(mydb)  
mycursor = mydb.cursor()
```



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Database Manipulation

- ❖ Create a Database
`mycursor.execute("CREATE DATABASE mydatabase")`
- ❖ Check if database exists
`mycursor.execute("SHOW DATABASES")`
- ❖ Create a Table

```
mycursor.execute("CREATE TABLE customers (name  
VARCHAR(255), address VARCHAR(255))")  
mycursor.execute("CREATE TABLE customers (id  
INT AUTO_INCREMENT PRIMARY KEY, name  
VARCHAR(255), address VARCHAR(255))")
```
- ❖ Alter Table
`mycursor.execute("ALTER TABLE customers ADD
COLUMN id INT AUTO_INCREMENT PRIMARY KEY")`

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Putting Content into Your Database with PHP

- ❖ Connect to the database server and login
 - `mysqli_connect("host", "username", "password");`
- ❖ Choose the database
 - `mysqli_select_db("database");`
- ❖ Choose the database
 - `mysqli_select_db("database");`
- ❖ Close the connection to the database server
 - `mysqli_close();`

9

Database Access with PHP/MySQL

❖ To focus MySQL,

```
mysqli_select_db("Guests");
```

❖ Requesting MySQL Operations

- Call `mysqli_query` with a string parameter, which is an SQL command

```
$query = "SELECT * from MyGuests";  
$result = mysqli_query($conn, $query);  
}
```

10

Part III: Stored Procedures

- ❖ A stored procedure contains a sequence of SQL commands stored in the database catalog so that it can be invoked later by a program
- ❖ Stored procedures are declared using the following syntax:

```
Create Procedure <proc-name>  
    (param_spec, param_spec, ..., param_spec)  
begin  
    - execution code  
end;
```

where each `param_spec` is of the form:
 [in | out | inout] <param_name> <param_type>
- In mode: allows you to pass values into the procedure,
- Out mode: allows you to pass value back from procedure to the calling program

17

Stored Procedures in MySQL

18

Architectures for Database Access

- ❖ Client-Server Architectures
 - Client tasks:
 - Provide a way for users to submit queries
 - Run applications that use the results of queries
 - Display results of queries
 - Server tasks:
 - Implement a data manipulation language that can directly access and update the database
- ❖ A two-tier system has clients that are connected directly to the server
- ❖ Problems with a two-tier system:
 - Because the relative power of clients has grown considerably, we could shift processing to the client, but then keeping all clients current with application updates is difficult!

3

Architectures for Database Access

- ❖ A solution to the problems of two-tier systems is to add a component in the middle
 - Create a three-tier system
- ❖ For Web-based database access, the middle tier can run applications (client just gets results)



4

Database Access with PHP/MySQL

- ❖ mysqli or pdo?
 - PDO works with different database systems
 - MySQLi works with MySQL databases
- ❖ MySQLi provides both object-oriented and procedural interfaces.

7

Database Access with PHP/MySQL

- ❖ To connect PHP to a database, use `mysqli_connect`, which can have three parameters:
 - host (default is localhost)
 - Username (default is the username of the PHP script)
 - Password (default is blank, which works if the database does not require a password)
- `$db = mysqli_connect()` is usually checked for failure
 - if (\$conn->connect_error) {
die("Connection failed: " . \$conn->connect_error);
- ❖ Sever the connection to the database with `mysqli_close`

8

Database Access with PHP/MySQL

- ❖ Dealing with the result:
 - Get the number of rows in the result

```
$num_rows = mysqli_num_rows($result);  
  
▪ Get the rows with mysqli_fetch_array
```



11

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Database Manipulation

- ❖ Select
 - mycursor.execute("SELECT * FROM customers")
myresult = mycursor.fetchall()
- ❖ Where
 - sql = "SELECT * FROM customers WHERE address = 'Park Lane 38'"
mycursor.execute(sql)
myresult = mycursor.fetchall()
- ❖ Insert
 - sql = "INSERT INTO customers (name, address) VALUES (%s, %s)"
val = ("John", "Highway 21")
mycursor.execute(sql, val)
mydb.commit()
print(mycursor.rowcount, "record inserted.")

15

Database Manipulation

- ❖ Join
 - sql = "SELECT \nusers.name AS user, \nproducts.name AS favorite \nFROM users \nINNER JOIN products ON users.fav = products.id"\n\nmycursor.execute(sql)\nmyresult = mycursor.fetchall()\n\nfor x in myresult:\n print(x)



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Technology Training – PHP and MySQL

Attendance sheet

Academic Year: 2020-2021(Even)

Batch: 2019-2023

Year/Semester: II/IV

S.NO	Register No.	Name of the Student	18/1/21	19/1/21	20/1/21	21/1/21	22/1/21	23/1/21
1.	922119104001	AARTHICKRAJA A.P	P	P	P	P	P	P
2.	922119104002	AKASH S	P	P	P	P	P	P
3.	922119104003	AKASH V S	P	P	P	P	P	P
4.	922119104004	ANANTHA NIVETHAN G R	P	P	P	P	P	P
5.	922119104005	ARAVINDHAN G	P	P	P	P	P	P
6.	922119104006	BENAZIR S	P	P	P	P	P	P
7.	922119104007	CATHERIN FREEDA F	P	P	P	P	P	P
8.	922119104008	DEVADHARSHINI S	P	P	P	P	P	P
9.	922119104009	DHANUSH KODI R	P	P	P	P	P	P
10.	922119104010	DINESHKUMAR B	P	P	AB	P	P	P
11.	922119104011	DRISHYA R	P	P	P	P	P	P
12.	922119104012	GURU V	P	P	P	P	P	P
13.	922119104013	HEMA S	P	P	P	P	AB	
14.	922119104014	JABITHA B	P	P	P	P	P	P
15.	922119104015	JAYASURIYA K.S	P	P	P	P	P	P
16.	922119104016	JEBARSONS S	P	P	P	P	P	P
17.	922119104017	JOSI ISITHORA	P	P	P	P	P	P
18.	922119104018	KUBENDHRA S	P	P	P	P	P	P
19.	922119104019	LAYASHREE V	P	P	P	P	P	P
20.	922119104020	MADHUMITHA M	P	P	P	P	P	P
21.	922119104023	MENAKA C	P	P	P	AB	P	P
22.	922119104024	MOHAMED FAZIL S	P	P	P	P	P	P
23.	922119104025	NIVETHITHA S Y	P	P	P	P	P	P
24.	922119104026	PERIYASAMY R	P	P	P	P	P	P
25.	922119104027	PRADEESHYUVAN P	P	P	P	P	P	P
26.	922119104028	PRASANNA M	P	P	P	P	P	P
27.	922119104029	PRASANTH S	P	P	P	P	P	P
28.	922119104030	PRAVEEN A	P	P	P	P	P	P
29.	922119104031	PRITHISHIKA S	P	P	P	P	P	P
30.	922119104032	PRIYADHARSHINI G	P	P	P	P	P	P
31.	922119104033	RAMJI K	P	P	P	P	P	P
32.	922119104034	RAMKUMAR N	P	P	P	P	P	P
33.	922119104035	RAMPRASANTH A	P	P	P	P	P	P
34.	922119104036	SAHUL HAMEED A	P	P	P	P	P	P
35.	922119104037	SANJAY NARAYANAN S	P	P	P	P	P	P
36.	922119104038	SANTHOSH KUMARS	P	P	AB	P	P	P
37.	922119104039	SANTHOSINK	P	P	P	P	P	P
38.	922119104040	SARAVANAKUMAR G	P	P	P	P	P	P

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40.	922119104042	SHIFFIN PAUL J	P	P	P	P	P	P
41.	922119104043	SRI VARSHINI K	P	P	P	P	P	P
42.	922119104044	SUJIT SUKESHH S	P	P	P	P	P	P
43.	922119104045	TAMIL SELVAN A	P	P	P	P	P	P
44.	922119104046	VASANTH N	P	P	P	P	P	P
45.	922119104047	VASANTHAN M P	P	P	P	P	P	P
46.	922119104048	VIGNESHWARAN V	P	P	P	P	AB	P
47.	922119104049	VINO JOEL R	P	P	P	P	P	P
48.	922119104050	VISHWA BHARATHI J	P	P	P	P	P	P
49.	922119104051	YASMIN J	P	P	P	P	P	P
50.	922119104052	YOGESH S	P	P	P	P	P	P
51.	922119104301	ASHOK KUMAR G	P	P	P	AB	P	P
52.	922119104302	GURUBALAN A	P	AB	P	P	P	P
53.	922119104303	RUBAN M	P	P	P	P	P	P
54.	922119104304	SUJITH R	P	P	P	P	P	P
55.	922119104502	ROSE MISHNA M	P	P	P	P	P	P

gsm *he* *inf*
Programme Co-Ordinators:

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Ms.V.Nivedhitha, AP/CSE

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Feed Back (PHP & MySQL)

S.No	Register No	Name of the student	Language Skills	Voice Audible	Voice Clarity	Writing Legible	Terminology Introduction	Techniques used	Lab Demonstration	Question & Answer Session	Practical Knowledge
1	922119104001	Aarthickraja A.P	5	5	5	5	5	5	5	5	5
2	922119104002	Akash S	5	5	5	5	5	5	5	5	5
3	922119104003	Akash V S	5	5	5	5	5	5	5	5	4
4	922119104004	Anantha Nivethan G R	5	5	5	5	5	5	5	4	5
5	922119104005	Aravindhan G	5	5	4	5	5	5	4	5	5
6	922119104006	Benazir S	5	4	5	5	5	5	5	5	5
7	922119104007	Catherin Freeda F	5	5	5	5	5	5	5	5	5
8	922119104008	Devadharshini S	5	5	5	5	5	5	5	5	5
9	922119104009	Dhanush Kodi R	5	5	5	5	5	5	4	5	4
10	922119104010	Dineshkumar B	5	5	5	5	5	5	5	5	5
11	922119104011	Drishya R	4	5	5	4	5	5	5	4	5
12	922119104012	Guru V	5	5	5	5	5	5	5	5	5
13	922119104013	Hema S	5	4	5	5	5	5	5	5	5
14	922119104014	Jabitha B	5	5	5	5	5	5	5	5	5
15	922119104015	Jayasuriya K.S	5	5	5	5	5	5	5	5	5
16	922119104016	Jebarson S	5	5	5	5	5	5	4	5	4
17	922119104017	Josi Isithor A	5	5	5	5	5	5	5	5	5
18	922119104018	Kubendhra S	5	5	4	5	5	5	5	4	5
19	922119104019	Layashree V	5	5	5	5	5	5	5	5	5
20	922119104020	Madhumitha M	5	5	5	5	5	5	5	5	5
21	922119104023	Menaka C	4	5	5	5	5	5	5	5	5
22	922119104024	Mohamed Fazil S	5	5	5	5	5	5	5	5	4
23	922119104025	Nivethitha S Y	5	5	5	5	5	5	5	5	5
24	922119104026	Periyasamy R	5	5	5	5	5	5	4	5	5
25	922119104027	Pradeeshyuvan P	5	5	5	5	5	5	5	4	5
26	922119104028	Prasanna M	5	5	5	5	5	5	5	5	5
27	922119104029	Prasanth S	5	4	5	5	5	5	5	5	5
28	922119104030	Praveen A	5	5	5	5	5	5	5	5	4
29	922119104031	Prithishika S	5	5	5	5	5	5	5	5	5
30	922119104032	Priyadharshini G	5	5	5	5	5	5	5	5	5
31	922119104033	Ramji K	4	5	4	5	5	5	5	5	5
32	922119104034	Ramkumar N	5	5	5	5	5	5	5	5	5
33	922119104035	Ramprasanth A	5	5	5	5	5	5	5	5	5
34	922119104036	Sahul Hameed A	5	4	5	5	5	5	5	5	5
35	922119104037	Sanjay Narayanan S	5	5	5	5	5	5	5	5	5
36	922119104038	Santhosh Kumar S	5	5	5	5	5	5	5	5	5
37	922119104039	Santhosini K	4	5	5	5	5	5	5	5	5



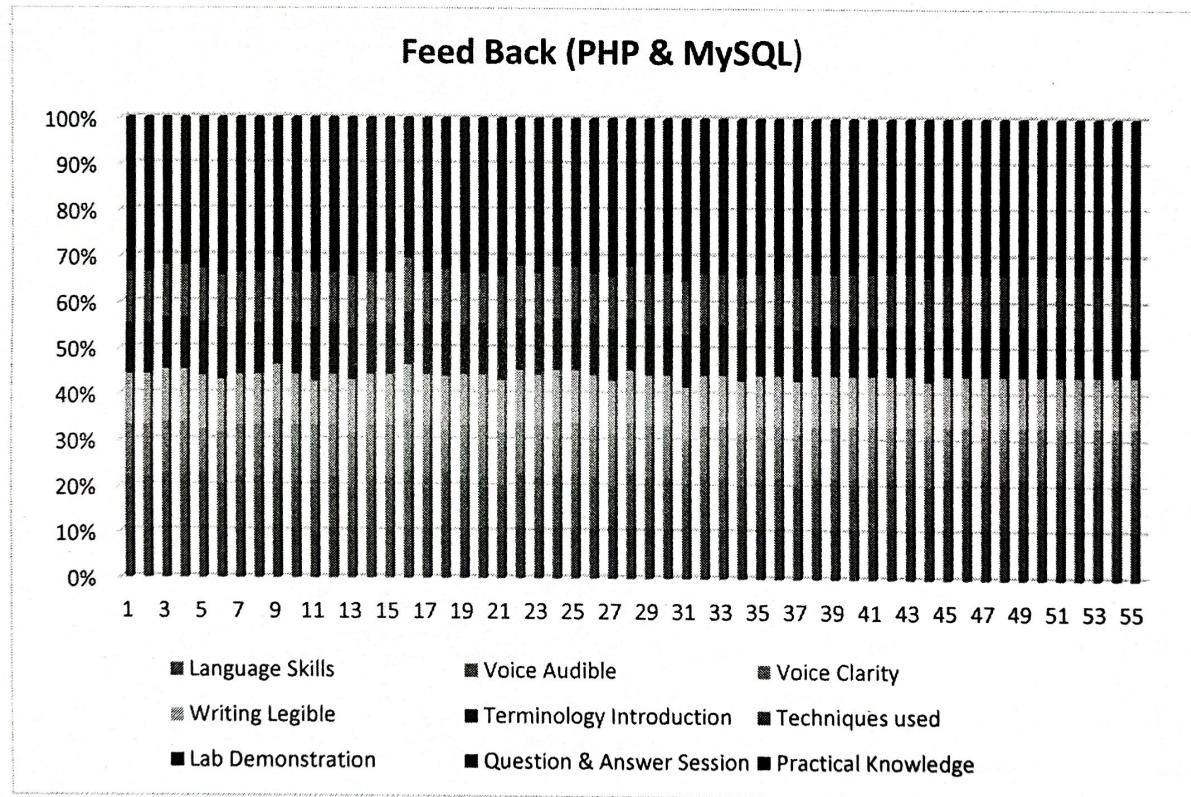
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38	922119104040	Saravanakumar G	5	5	5	5	5	5	5	5	5
39	922119104041	Satheesh Kumar G	5	5	5	5	5	5	5	5	5
40	922119104042	Shiffin Paul J	5	5	5	5	5	5	5	5	5
41	922119104043	Sri Varshini K	5	5	5	5	5	5	5	5	5
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44	922119104046	Vasanth N	5	4	5	5	5	5	5	5	5
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48	922119104050	Vishwa Bharathi J	5	5	5	5	5	5	5	5	5
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52	922119104302	Gurubalan A	5	5	5	5	5	5	5	5	5
53	922119104303	Ruban M	5	5	5	5	5	5	5	5	5
54	922119104304	Sujith R	5	5	5	5	5	5	5	5	5
55	922119104502	Rose Mishna M	5	5	5	5	5	5	5	5	5

Feed Back (PHP & MySQL)



88th *[Signature]* *[Signature]*

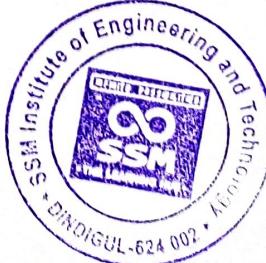
Programme Co-Ordinators:

Ms.S.Bharathi, AP/CSE
Ms.V.Nivedhitha, AP/CSE

V.J
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SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

An online meeting using Google Meet has been arranged to conduct technology training on “PHP & MySQL” from 18.01.2021 to 23.01.2021. The details are provided below

Link: <https://meet.google.com/cms-yxvv-has>

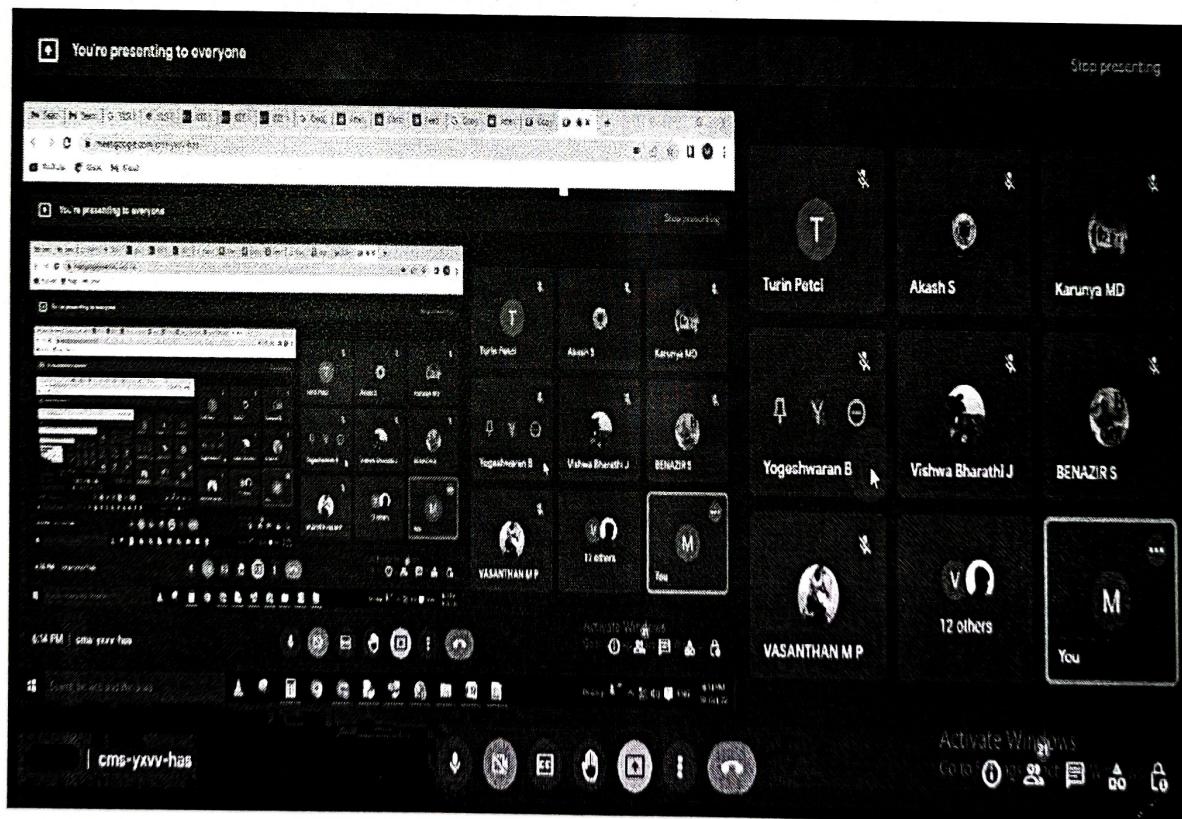
Technology Training on PHP and MySQL

Name: Ms.S.Bharathi, AP/CSE, Ms.V.Nivedhitha, AP/CSE, SSMIET

Topics Handled:

1. Introduction to Architectures For Database Access
2. Database Access with Php/Mysql, Putting Content into Database with PHP
3. Python Mysql
4. Stored Procedures in Mysql
5. JDBC AND SQLI
6. Example Exercises

Time: 9.30 a.m to 4.30 a.m



Programme Co-Ordinators:

Ms.S.Bharathi, AP/CSE

Ms.V.Nivedhitha, AP/CSE

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CERTIFICATE OF PARTICIPATION

THIS IS TO CERTIFY THAT MR / MS.

PRASANNA M

Department of Computer Science and Engineering, SSM Institute of Engineering and Technology, Dindigul, has successfully completed PHP and MySQL Technology Training from 18.01.2021 to 23.01.2021



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HOD/CSE

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Program Co-ordinator

**SSM INSTITUTE OF ENGINEERING
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HoD/CSE Principal

A handwritten signature in black ink, appearing to read 'Dr. D. Senthil Kumaran'.

A handwritten signature in black ink, appearing to read 'Program Co-ordinator'.

**SSM INSTITUTE OF ENGINEERING
AND TECHNOLOGY**



**CERTIFICATE
OF PARTICIPATION**

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PRADEESHYUVAN P

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HOD/CSE

Program Co-ordinator

**SSM INSTITUTE OF ENGINEERING
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**CERTIFICATE
OF PARTICIPATION**

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JAYASURIYA K.S

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Principal

V. JAYASURIYA

HoD/CSE

Program Co-ordinator

**SSM INSTITUTE OF ENGINEERING
AND TECHNOLOGY**



**CERTIFICATE
OF PARTICIPATION**

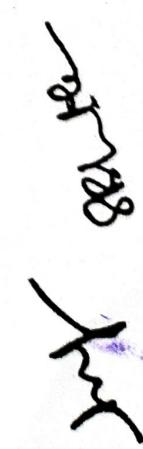
THIS IS TO CERTIFY THAT MR / MS.

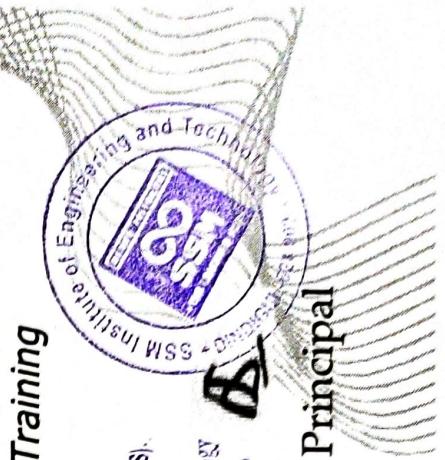
PRAVEEN A

Department of Computer Science and Engineering, SSM Institute of Engineering and technology, Dindigul, has successfully completed PHP and MySQL Technology Training from 18.01.2021 to 23.01.2021

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Principal



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

DATE: 12.01.2021

CIRCULAR

The Department of CSE has planned to conduct an “**Online Technology Training**” for **II year CSE students** on “**PHP and MySQL**” from **18.01.2021 to 23.01.2021 (6 days)**. All our Second year students are expected to attend this training without fail.

gkthi nif

Programme Co-Ordinators:

Ms.S.Bharathi, AP/CSE

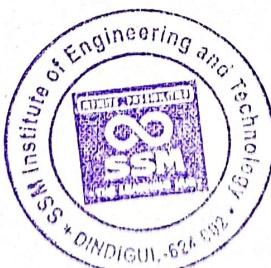
Ms.V.Nivedhitha, AP/CSE

V J

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