



REPORT OF SC/ST CELL(for Students)

ACTIVITIES FOR 2021-2022

The first meeting of SC / ST Cell (for Students) for the academic year 2021-22 with the office bearers of the cell was conducted on the 25th day of April 2022 in the Web Technology Laboratory of Department of Computer Science and Engineering, Puducherry Technological University. The following Members were present for the Meeting.

1. Dr. M. Thirumaran - Convener
2. Dr.A. Sathiamourthy - Member
3. Dr. P. Boobalan - Member

The following decisions were made in the meeting

1. It was decided to conduct Special Placement Training Program on Java and Web Technologies for the SC / ST students of Puducherry Technological University.
2. It is planned to conduct the training at free of cost for three months starting from 28.07.2022 to 30.09.2022.
3. The Cell is targeting on the SIXTH Semester students of all Engineering Disciplines of Puducherry Technological University.
4. It has been decided to provide FIFTY hours of hands-on training on Mondays, Wednesdays and Fridays of every week from 5.00 PM to 7.00PM.
5. The Classes will be handled by the Faculty of CSE and trained SC/ST students of CSE department.

Based on the above decisions made, the student were asked to register their willingness through Google form to attend the Special Placement Training Program on Java and Web Technologies. The following are the activities observed after that.

1. Syllabus Content, Course Materials, Lab experiments and Lab Assignments have been prepared and kept ready. - Annexure - I
2. The Materials to be given to students is also ready - Annexure - II
3. TEN SC/ST students had already registered for online Special Placement Training Program.
4. FOUR SC student volunteers of Department of Computer Science and Engineering were already trained on Java and Web Technologies. The details of the student volunteers are as detailed below.

- (i) NELLEPALLE SAI KUMAR - III Year CSE – VI Semester
- (ii) NIKKITHA A - III Year CSE – VI Semester
- (iii) NAGHA GAYATHIRI M S - III Year CSE – VI Semester
- (iv) SANJAY - III Year CSE – VI Semester

5. The Training Program will commence on 28-7-2022 at Web Technology Lab.

Dr. M. THIRUMARAN
Convener

Annexure -1

JAVA PROGRAMMING

LIST OF LAB EXPERIMENTS

EXPT NO	EXPERIMENTS
1	PROGRAM TO USE ACCESS SPECIFIERS IN JAVA
2	OBJECT ORIENTED PROGRAMMING IN JAVA A) INHERITANCE B) POLYMRPHISM I. COMPILETIME POLYMORPHISM II. RUNTIME POLYMORPHISM C) INTERFACE AND ABSTRACT CLASS
3	JAVA COLLECTIONS A) LIST I. ARRAY LIST II. LINKED LIST III. VECTOR B) SET I. TREESET II. HASHSET III. LINKEDHASHSET C) MAP I. HASHMAP II. TREEMAP
4	JAVA I/O USING STREAMS
5	MANIPULATION OF STRING
6	LAMBDA EXPRESSION
7	JDBC -JAVA DATABASE CONNECTIVITY
8	JPA-JAVA PERSISTENCE API
9	SPRING MVC FRAMEWORK
10	SPRING MVC WITH JPA

WEB TECHNOLOGY
LIST OF LAB EXPERIMENTS

Experiments on HTML, JavaScript, Bootstrap, PHP and MySQL

EXPT NO	EXPERIMENTS
1	Design a User Registration page and Login page using HTML 5 and Bootstrap
2	Implementation of Client Side Scripting in JavaScript (i) User registration page with JavaScript validation (ii) Password strength validation using JavaScript
3	Implementation of Server Side Scripting in PHP (i) User registration page using PHP with MySQL (ii) User Login Operation using PHP with MySQL
4	Creating Web Application using PHP MVC Framework
5	Enhancing the PHP MVC Application with JSON , XML support (i) PHP Application to use XML DOM and JSON API (ii) PHP Application with Ajax Support
6	MINIPROJECT : Design and implementation of Web Application using PHP MVC FRAMEWORK