



**SUNBEAM INSTITUTE OF INFORMATION
TECHNOLOGY
KARAD
Module End Lab Examination – WPT**



Course Name : PG-DAC Module Name: Web Programming Technologies Max. Marks : 40 Name : _____	Batch : MAR-2023 Date : 13 / 03 / 2023 Duration : 2 : 00 Hours Group : _____ PRN : _____
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Instructions :

1. Create new workspace (Directory) by the name WPT_12 digit PRN in home directory.
2. Create new project and save it in above workspace.
3. Do not refer any files from your system.
4. After successful completion of any part, tick mark v the stage/step in the following self-declaration column.
5. After evaluation compress/zip your src folder and .js file (named WPT_12 digit PRN) and upload it on EMIS.

Evaluation of Lab Exam is based on the following criteria :

Self-declaration for Paper Code – B				
Sr. No.	Points to cover	Tick Mark by student	Max Marks	Marks by Evaluator
1	Middleware using NodeJS and Express	<input type="checkbox"/>	20	
2	React Application	<input type="checkbox"/>	20	
3		<input type="checkbox"/>		
4		<input type="checkbox"/>		
			Total :	_____

Signature of Student

Signature of Evaluator

Database Design

In existing database create table with name movies and add 5 records

Table 1customers

Column	Datatype	Remark
custid	int(4)	Primary key and auto increment
custname	varchar(25)	
mobilenno	varchar(10)	
pin	varchar(8)	

Q.1] Design Middleware/Backend using NodeJS and Express**(20 Marks)**

1. Start Express server at port 5000 *02 marks*
 2. Use config and Router in Node application *03 marks*
 3. Implement post('/customer') in Express service which will authenticate customer using mobile number & pin and return an object of customer *07 marks*
 4. Implement put('/customer/:no') in Express service to update the customer info *08 marks*
- N O T E - Test both above function in Postman tool before using in React application

Q.2] Design React Application**(20 Marks)**

1. Create two components <Login /> and <Profile /> (function based or class based) and perform following tasks
 - a. <Login /> will consume post() of web service exposed by web service for customer login. Display appropriate error message for invalid user/customer
 - b. If customer authenticated successfully then show <Profile /> component, where customer will update his/her details
 - c. Display Welcome message after successfully login e.g. Welcome Vishu/Siddhesh in <Profile /> component
 - d. Perform validation before updating customer, all fields are mandatory