
		<p align="center"><b>SUNBEAM INSTITUTE OF INFORMATION TECHNOLOGY</b>  <b>KARAD</b>  <b>Web Programming Technologies</b></p>		
<p align="center"><b>Module End Lab Re-Exam</b></p>				
<b>Course Name:</b>	PG – DAC	<b>Batch :</b>	Mar 2024	
<b>Module Name:</b>	Web Programming Technologies	<b>Date:</b>	11/05/2024	
<b>Max. Marks:</b>	32	<b>Duration :</b>	1:30 Hours	
<p><b>Instructions :</b></p> <ul style="list-style-type: none"> <li>• Create <b>new workspace (folder)</b> by the name <b>WPT_12 digit PRN</b> in your home directory.</li> <li>• Create <b>new Project</b> with name <b>WPT_12 digit PRN</b>.</li> <li>• After evaluation, <b>first compress/zip your Folder (named WPT_12 digit PRN)</b> and upload it on EMIS.</li> </ul>				

<b>Evaluation of Lab Exam is based on the following criteria :</b>				
<b>Self-declaration for Paper Code – B</b>				
<b>Sr. No.</b>	<b>Points to cover</b>	<b>Tick Mark by student</b>	<b>Max Marks</b>	<b>Marks by Evaluator</b>
1.	Add Functionality		8	
2.	Retrieve Functionality		8	
3.	Delete Functionality		8	
4.	Update Functionality		8	
		<b>Total :</b>	<b>32</b>	_____

_____	_____
<b>Signature of Student</b>	<b>Signature of Evaluator</b>

**Question:**

Develop a backend application using Node.js and Express.js framework to create a Product Management System.

Utilize MySQL database to store data related to Product

Create API endpoints to handle various functionalities such as insert product, Product listing, Delete product and Update product. (**Import product.sql**)

**Q1**

**Create a new product:**

URL: <http://localhost:3000/products>

**Q2**

**Retrieve list of products by category:**

URL: <http://localhost:3000/products/:category>

**Q3**

**Delete a product by product ID:**

URL: [http://localhost:3000/products/:product\\_id](http://localhost:3000/products/:product_id)

**Q4**

**Update a product by ID:**

URL: [http://localhost:3000/products/:product\\_id](http://localhost:3000/products/:product_id)