VIT

Vellore Institute of Technology

s Assessment Test (CAT – II) – April 2024

		Semester	: Winter Semester 2023-24
		Code	: BCSE404L
		Class Nbr	: CH2023240501763/C H2023240501771/CH 2023240501767/CH2 023240501777
Course	: Internet and Web Programming		
Faculty	: Dr. Sandhya P/Dr. Lekshmi K/ Dr. Vignesh U/ Dr. Vijayaprabakaran K	Slot	: D2+TD2
		Max. Marks : 50	
Time	: 1 ½ hours		

Answer all the Questions

1. Design a ticket booking system for a movie theatre using HTML/PHP. Implement the following functionalities utilizing PHP sessions and cookies:

   a) Upon selecting a seat, store the seat number, ticket type and quantity in a session variable. (4 marks)

   b) Display their selected seats, presenting the ticket types along with their respective quantities. (3 marks)

   c) Compute the total price of all selected tickets and exhibit it to the user. (3 marks)

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2. Create a web-based platform for pharmacy using HTML/PHP and MySQL, after authentication create appropriate forms to perform insertion of new medicines (3 Marks), updating of the quantity of medicines (3 marks) and deletion of the expired medicines (4 marks). The table should include attributes such as medicine id, name, date of manufacturing, expiry date and quantity.

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3. Develop an online inventory management system using HTML, AJAX and PHP. **10** Create a web page(home.html) to enter product_id and quantity_purchased through text boxes. On submission, use AJAX to send the request to the server. Using PHP, compute the total cost assuming the cost per piece of the products are maintained in an array. Update a paragraph tag in the client side(home.html) to display the cost of the purchased item without reloading the entire page.

   • Client-side script (5 marks)
   • Server-side script (5 marks)

4. Design a website for admissions in an Engineering University which lists all the **10** colleges under it. Assume that the University has 5 colleges (A, B, C, D and E) and the vacancies of the courses are provided in an array. Provide a facility so that students can check for vacancies of their preferred courses by entering in a text box (CSE, IT and ECE). On submission, the vacancies corresponding to each college must be updated in

a ~ h3 tag corresponding to each college name using DOM.

5. A financial institution is developing a new credit card management system. To ensure   10
data consistency and accuracy, they want to implement an XML Document Type
Definition (DTD) of credit card records.

   a) Design an XML DTD for a basic credit card record document using the
   following elements: (5 Marks)
      i.   CreditCard: Includes attributes for credit card number, cardholder's
           name, expiration date, and CVV.
      ii. Transaction: Includes attributes for transaction ID, transaction date, and
           transaction amount.
      iii. Merchant: Includes text content specifying the merchant's name.
      iv. Description: Includes text content describing the transaction.

   b) Create a valid XML document that adheres to the DTD you have designed in
   step a. (5 Marks)