Hingna Road, Wanadongri, Nagpur - 441 110

NAAC A++

Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: [www.ycce.edu](http://www.ycce.edu/)

# Department of Computer Technology

## Vision of the Department

*To be a well-known centre for pursuing computer education through innovative pedagogy, value-based education and industry collaboration.* **Mission of the Department**

*To establish learning ambience for ushering in computer engineering professionals in core and multidisciplinary area by developing Problem-solving skills through emerging technologies****.***

**Session 2025-2026**

|  |  |
| --- | --- |
| **Vision:** Dream of where you want. | **Mission:** Means to achieve Vision |

**Program Educational Objectives of the program (PEO):** (broad statements that describe the professional and career accomplishments)

|  |  |  |  |
| --- | --- | --- | --- |
| PEO1 | **Preparation** | **P: Preparation** | **Pep-CL abbreviation pronounce as Pep-si-lL easy to recall** |
| PEO2 | **Core Competence** | **E: Environment**  **(Learning Environment)** |
| PEO3 | **Breadth** | **P: Professionalism** |
| PEO4 | **Professionalism** | **C: Core Competence** |
| PEO5 | **Learning**  **Environment** | **L: Breadth (Learning in diverse areas)** |

**Program Outcomes (PO):** (statements that describe what a student should be able to do and know by the end of a program)

**Keywords of POs:**

Engineering knowledge, Problem analysis, Design/development of solutions, Conduct Investigations of Complex Problems, Engineering Tool Usage, The Engineer and The World, Ethics, Individual and Collaborative Team work, Communication, Project Management and Finance, Life-Long Learning

**PSO Keywords:** Cutting edge technologies, Research

“I am an engineer, and I know how to apply engineering knowledge to investigate, analyse and design solutions to complex problems using tools for entire world following all ethics in a collaborative way with proper management skills throughout my life.” *to contribute to the development of cutting-edge technologies and Research*.

**Integrity:** I will adhere to the Laboratory Code of Conduct and ethics in its entirety.

**Name and Signature of Student and Date**

(Signature and Date in Handwritten)

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| --- | --- | --- | --- |
| **Session** | **2024-25 (ODD)** | **Course Name** | **Web Technology Lab** |
| **Semester** | **3** | **Course Code** | **23CT1301** |
| **Roll No** | **103** | **Name of Student** | **Ayushi Atkare** |

|  |  |
| --- | --- |
| Practical Number | **Practical No. 4** |
| Course Outcome | 1. Understand various internet technologies. 2. Design the web pages using HTML and CSS. 3. Implement the XML technology to store the data. 4. Develop the interactive web pages using JavaScript. |
| Aim | **Write a web technology program in JSON to store information related to programming books along with edition and author name.** |
| Problem Definition | **To create a JSON-based program to store and manage information about programming books, capturing essential details such as the book title, author's name, and edition in a concise, human-readable, and structured format.** |
| Theory  (100 words) | **The idea is to create a simple system using JSON to keep track of programming books. Each book will have its title, author, and edition stored in an easy-to-read format. JSON is perfect for this because it's clear and straightforward, making it simple to organize and find book details. Whether you're looking for a specific author or edition, the information will be right at your fingertips. This approach keeps things flexible, allowing you to add more books in the future, all while keeping the data accessible and easy to understand for anyone, technical or not.** |
| Procedure and Execution  (100 Words) | Step for Implementation:  Step 1: **Create the Web Page Structure**  Step 2: **Prepare the Book Information**  Step 3: **Use JavaScript to Display the Data**  Step 4: **Add the Book Details to the Webpage**  Step 5: **Add Final Touches**  Step 6: **Test the Page**  **Procedure :**   1. **Start with the Basic Webpage Setup.** 2. **Organize the Book Details.** 3. **Write the Code to Display the Information.** 4. **Display the Information Neatly**. 5. **Add a Final Touch**. 6. **Test the Page**.   **Execution :**   1. **Open Your Code Editor.** 2. **Write the HTML Structure.** 3. **Add JavaScript to the Page.** 4. **Use document.write() to Display the Info.** 5. **Preview the Page in a Browser.** 6. **Test it.** |
| Code: |
| Output: |
| Output Analysis | **The page works exactly as expected, it shows a list of books with key details like type, author, edition, and book name. The information is neatly organized, making it easy to read and understand. At the end, there’s a small summary mentioning the author and the types of books they’ve written, giving a nice touch of closure.** |

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|  |  |
| --- | --- |
| Link of student Github profile where lab assignment has been uploaded |  |
| Conclusion | **The code effectively displays book details in a simple and clear format.** |
| Plag Report  (Similarity index <  12%) |  |
| Date | **29/8/25** |