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| **SCHOOL OF COMPUTER SCIENCE AND ARTIFICIAL INTELLIGENCE** | | | | | **DEPARTMENT OF COMPUTER SCIENCE ENGINEERING** | | | | |
| **ProgramName:**B. Tech | | | | **SET-B** | | | **AcademicYear:**2025-2026 | | |
| **Roll No.** | | | |  | | | | | |
| **Instructor(s)Name** | | | | 1. Dr. Venkataramana 2. Dr. Ch. Sridhar 3. Mr. Kundan Kumar | | | | | |
| **CourseCode** | | | 24CS002PC215 | **CourseTitle** | | AI Assisted Coding | | | |
| **Year/Sem** | | | II/I | **Regulation** | | R24 | | | |
| **Date and Day**  **of Assignment** | | | 22.08.2025 | **Time(s)** | | 01.00PM To 03.00PM | | | |
| **Duration** | | | 2 Hours | **Applicableto**  **Batches** | | 24BTCAIAIB09, 24BTCAIAIB10 | | | |
| **Lab Test :1**(Present test number)/**4**(Total number of tests) | | | | | | | | | |
|  | | | | | | | | | |
|  | **Q.No.** | **Question** | | | | | | ***ExpectedTime***  ***to complete*** |  |
|  | 1 | **Task Description#1**   * Write python program for a function **factorial\_febo(n)** that return both factorial of given number and Fibonacci series as per input “n”   **PROMPT:** Write python program for a function factorial\_febo(n) that return both factorial of  given number and Fibonacci series as per input “n”  Expected Output#1  • factorial\_febo(n) and output we need to give the input.    **Expected Output#1**   * **factorial\_febo(n) and output**   **Task Description#2**   * Write Python program in cursor AI for **student class** with attributes like Name, Roll no, Marks and also construct a method i.e., **display\_details** to display name, rollno, marks and grades     **PROMPT:**  Write a python program for student class with attributes name, roll no and  marks and display details if marks below 50 fail(F), 50-59 grade C,60-74 grade B,75-89 grade A,90-100 grade A+.      **Expected Output#2**   * Student Class and Display Details   OUTPUT:    **Note: Report should be submitted a word document for all tasks in a single document with prompts, comments & code explanation, and output screenshots**  **Evaluation Criteria:**   | **Criteria** | **Max Marks** | | --- | --- | | Factorial Function (Task#1) | 5 | | Sorting Function (Task#2) | 5 | | Viva | 5 | | **Total** | **15 Marks** | | | | | | | 22.08.2025 03.00PM |  |