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" **Expected Output#1** • **factorial_febo(n) and output** • **prompt :write** a python function namedd `factorial_feb(n)` that returns both the factorial of `n` and the first `n` numbers of the Fibonacci series." • **code and output :** **Task Description#2** • Write Python program in cursor AI for **student class** with attributes like Name, Roll	22.08.2025 03.00PM

no, Marks and also construct a method i.e., **display_details** to display name, rollno, marks and grades

Table: Grades Classification Based on Marks

Marks Range (%)	Grade
90 – 100	A+
75 – 89	A
60 – 74	B
50 – 59	C
Below 50	F (Fail)

Expected Output#2

- Student Class and Display Details
- Prompt : Create a `student` class in Python that stores a student's name, roll number, and marks. Also, define a method to display all these details and compute the grade
- Output and code:

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**