	SR UNIVERSITY
	Campus Warangal
	Program: II - B.Tech (CS& AI)
	Professor(a): Dr. Venkataramana Veeramsetty, Professor
	Department: Computer Science and AI **Semester:** I
	AI Assisted Coding - Lab Test 1 - Set B

Instructions:

1- Use AI Tools like VScode+Github Copilot and Cursor AI for code generation

2- This Assignment will be evaluated for 15 Marks (10 Marks for Tasks and 5 Marks for viva based on regular lab activities)

3- Students need to submit assignment through canvas before due date

4- Students who are absent for lab will receive 0 Marks

1. Create a Python function that converts an amount from one currency to another using exchange rates stored in a dictionary. Use GitHub Copilot along with VS Code. Use Few shot prompting.

2. Write a Python program to extract all email addresses from a block of text using regular expressions. GitHub Copilot along with VS Code. Use zero shot prompting.

3. Given a list of movies with their genres, Write a Python function that recommends movies based on a user's preferred genre. Use the Cursor AI tool. Use few shot prompting.

4. Write Python code that reads a CSV file containing student names and marks in 3 subjects. Calculate the total and average marks for each student. Use the Cursor AI tool.

Date: 2025-08-14