

## **Day 12 – 9 July 2025 (Wednesday):**

### **Mental Health Support Bot Design**

The session was focused on planning and designing the **Mental Health Support Bot**, an AI-driven project aimed at promoting emotional wellness through intelligent conversation. We began by identifying the bot's purpose and breaking it into three specialized agents —

- **Mood Analyzer,**
- **Companion,** and
- **Self-Care Recommender.**

Each agent was assigned a clear role: the Mood Analyzer interprets the emotional tone of a user's message, the Companion provides empathetic responses to create a supportive dialogue, and the Self-Care Recommender suggests suitable coping techniques, activities, or motivational prompts.

Using **CrewAI**, I drafted the initial architecture showing how these agents would collaborate. We mapped data flow between agents, user inputs, and the response generation system. Discussions also covered prompt design, contextual memory, and ensuring that agent communication remains consistent and non-repetitive. The mentor emphasized balancing emotional sensitivity with accuracy, ensuring that the bot encourages positivity while staying ethical and safe for users.

### **Learning Outcome:**

Gained deeper insight into designing multi-agent AI systems and learned how structured coordination between roles can create intelligent, human-like interaction for meaningful support