

## Agenda of the Session

1. Learn to design a goal-driven AI agent capable of autonomous planning and reasoning.
2. Explore the smolagents package and its components, including Tools, Prompts, and Agent formation.
3. Build a Competitive Analysis AI Agent to evaluate market strategies of top competitors.
4. Analyze and compare competitor data using integrated real-time research tools.
5. Hands-on: Create an end-to-end Competitive Analysis pipeline with actionable business insights.

## Structure of the Session

Duration (mins)	Topic	Details
5	Welcome and Introduction	<ul style="list-style-type: none"> <li>• This section is to be clear on the expectations from the session.</li> </ul>
100	Notebook Single Agent Systems	<ul style="list-style-type: none"> <li>• Set up an LLM for agent integration.</li> <li>• Define specialized tools using the SmolAgents library.</li> <li>• Create prompt templates for validation and strategy extraction.</li> <li>• Combine prompts and tools to build a goal-driven agent.</li> <li>• Execute the agent to generate executive summaries of competitors.</li> </ul>
10	Final Q&A	<ul style="list-style-type: none"> <li>• This section is to clear any follow-up questions or questions that were parked to be answered toward the end</li> </ul>
5	Session Summary	<ul style="list-style-type: none"> <li>• Pick up a pen and paper - spend the last 5 minutes of the session of drawing up a mind-map as the mentor summarizes the learnings from the session</li> </ul>

## Week 7 : MLS Session Plan

- Revisit and attempt the practice quizzes. If you face challenges with the quizzes, review and re-attempt them post-session to reinforce your understanding.

Remember!! "**Clarity comes not from waiting, but from daring to step forward in uncertainty.**"

**Happy Learning!**









