

Course Name	AI Chatbots, ML & Dashboarding for Banking
Course Duration	40 hours (5 Days)
Time Division	Break: 1 Hr. 15 Minutes /Day Session: 6 Hrs. 45 Minutes/Day

Important Note:

- Courseware – Reference material/PPT along with lab files/exercises will be provided
- All labs will be performed on Open-Source Platform.
- Dashboard will be created on open-source Power BI platform.

Day	Topics Covered	Duration	Activity/Hands-on (Labs)
Day 1: Introduction to AI & Machine Learning	- Basics of AI & ML	8 hours	- Group Discussion: Business Applications of AI
	- Supervised vs. Unsupervised Learning		- Lab: Building a Simple ML Model
	- Overview of AI Chatbots		
Day 2: Large Language Models (LLMs) & NLP	- Introduction to LLMs (GPT, Gemini, BERT)	8 hours	- Lab: Text Classification using NLP
	- Basics of NLP (Tokenization, Named Entity Recognition)		- Lab: Prompt Engineering with LLMs
	- Pre-trained vs. Fine-tuned Models		
Day 3: AI Chatbots Development	- How Chatbots Work	8 hours	- Lab: Building an AI Chatbot
	- Intent Recognition & Dialogue Management		- Lab: Integrating Chatbots with APIs
	- Tools: Dialogflow, LangChain, Rasa		
Day 4: Advanced AI Chatbot Applications	- Emerging Trends in AI Chatbots	8 hours	- Case Studies: AI Chatbots in Banking

	- Enhancing Customer Service with AI		- Lab: Optimizing Chatbot Responses
	- Ethical & Bias Considerations		
Day 5: AI Chatbots for Banking, Automation & Dashboards	- AI Chatbots for Managing Performance Dashboards	8 hours	- Lab: Automating Bank Reports with AI
	- Automating Repetitive Tasks in Banking		- Final Project: Deploying a Custom AI Chatbot
	- Future of AI in Finance		- Dashboard: Creating an AI-driven Banking Performance Dashboard