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Course Outline

Generative AI Skills For TPMs

Course Description:

Understand AI and NLP concepts, Practice Prompt Eng, Gemini API

Course Learning Objectives:

Understand AI and NLP concepts, Practice Prompt Eng, Gemini API

Pre-Requisite: NA

Category	Course Level	Trainer Name	Region (IDC/US)	Date	Timings	Time Zone (IST/CST)	Duration
Gen AI	Basic	Ashutosh	IDC	20th Aug – 22nd Aug	9am-1pm	IST	12 hours (4 hours * 3 days)

Pre-reads:

A beginner-friendly introduction to GenAI and use cases.

https://www.ibm.com/think/topics/generative-ai

How Generative AI is working

https://www.nvidia.com/en-us/glossary/generative-ai/

What is next:

- Power BI
- Excel PowerQuery
- SharePoint integration

Agenda:

Day	Module Name	Topics Covered	Total Duration	Any Use Cases (If Applicable during this day)
1	AI/GenAI Fundamentals and Applications AI-Driven Project Planning and Execution	AI/GenAI techniques to solve TPM challenges Core concepts of AI and ML AI techniques to improve project planning Scheduling and prioritization	4 hours	Apply AI, computer vision and NLP for smart shelves and virtual assistants customer behavior prediction using AI/ML

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		AI-powered resource allocation and optimization		analyze past foot traffic and sales data to forecast store demand
2	AI-Driven Project Planning and Execution Automating Repetitive TPM Tasks with AI	Dependency mapping and management using AI tools AI-supported risk identification and mitigation strategies Building AI-powered automation workflows Data Flow Integrating AI into existing TPM tools and processes	4 hours	Identify dependencies between hardware installation and software development Automate weekly progress reporting streamline team updates Use automation to monitor equipment installation
3	AI-Enabled Decision Making and Innovation Communicating & presenting with precision & clarity	MECE Trees (Mutually Exclusive, Collectively Exhaustive) Storytelling with SCQA: A Framework for Effective Communication	4 hours	Generate insights from customer foot traffic Propose AI-driven real time promotions based on customer behavior Storyboarding with MECE Trees Mock Pitch

Daily Learning Outcomes:

Day	Learning Outcomes
1	Learn fundamentals of AI for TPM, Project planning, scheduling, optimization
2	AI enabled Automation, Dependency management, Risk analysis
3	AI powered Business Growth, Story Telling