

◆ PART 2: DETAILED 5-MONTH BATCH PLAN (WEEK-WISE SCHEDULE)

Duration: 5 Months (20 Weeks)

Mode: Online

Sessions: 5 Days a Week

📅 MONTH 1 – FOUNDATION

Week 1

- Introduction to AI, ML, Deep Learning
- How Generative AI Works
- LLM Fundamentals

Week 2

- Prompt Engineering (Basic to Advanced)
- Prompt Patterns
- AI Productivity Tools

Week 3

- Python Fundamentals
- Data Types
- OOP Concepts

Week 4

- SQL Basics to Advanced
- Joins, Subqueries
- Mini SQL Project

📅 MONTH 2 – DATA & ANALYTICS

Week 5

- Power BI Basics
- Data Modelling
- Dashboard Creation

Week 6

- Advanced Power BI
- DAX
- Business Dashboard Project

Week 7

- EDA
- Data Cleaning
- Feature Engineering

Week 8

- Machine Learning – Supervised Learning
- Regression & Classification

MONTH 3 – ML & DEEP LEARNING

Week 9

- Unsupervised Learning
- Clustering
- Model Evaluation

Week 10

- Deep Learning Basics
- Neural Networks

Week 11

- CNN & RNN
- Practical Implementation

Week 12

- NLP Level 1
- Text Preprocessing
- Sentiment Analysis Project

MONTH 4 – ADVANCED NLP & GEN AI

Week 13

- NLP Level 2
- Transformers
- BERT

Week 14

- Build First GenAI Application
- API Integration

Week 15

- Groq + Streamlit
- Deploy AI App

Week 16

- RAG Concepts
- Vector Databases
- LangChain

MONTH 5 – AGENTIC AI & AUTOMATION

Week 17

- Agentic AI Concepts
- Multi-Agent Systems

Week 18

- Agentic RAG
- Intelligent Workflows

Week 19

- Voice Agents (Gemini API)
- Real-Time Voice Bot

Week 20

- N8N Automation
- No-Code AI Apps
- Automation Project

MONTH 6 – AWS DEVOPS + PLACEMENT

Week 21

- AWS Core Services
- Deploy AI App on AWS

Week 22

- GitHub
- Jenkins
- CI/CD

Week 23

- Docker
- Kubernetes
- Terraform

Week 24

- Resume Preparation
- Mock Interviews
- Final Capstone Presentation

Evaluation Plan

- Weekly Tests
- Monthly Tests
- Daily Practice sessions
- One to one support