

GenAI for Bharat

Block / Module	Dates	Timings	Session #	Topic	Subtopics	Learning Outcomes	Applied AI Project	Delivery	Duration (hrs)	Module Duration (hrs)	Tools	Use Cases / Audience Lens
BLOCK 1: AI Foundations & Prompt Mastery Weeks 1-2 12 hrs 4 Sessions												
Block 1: Foundations	9/10/2026	7:00 PM - 10:30 PM	1	AI, ML & the GenAI Landscape + Platform Setup + Prompt Mastery — The 7 Pillars	AI, machine learning, deep learning and AGI — what each term actually means Generative AI and pre-trained foundation models How large language models are built and why they became capable Model families: text, multimodal, reasoning · open-weight vs proprietary Platform deep dive: ChatGPT, Claude, Gemini — strengths, limits and real cost Account setup, custom instructions and memory configuration Free vs paid tiers: what you actually need at each stage Your first ten prompts on real tasks	Explain AI, ML and generative AI using your own examples Complete setup across three platforms with custom instructions Produce ten working prompts for tasks you actually do Choose a primary platform with stated reasons	P1: AI Foundations & Verification Standard (Part 1)	Live	3	12	ChatGPT · Claude · Gemini · Perplexity	All audiences — orientation and setup
Block 1: Foundations	9/11/2026	7:00 PM - 10:30 PM	2	Advanced Prompting & Reusable Prompt Libraries + Hallucination, Verification, Ethics & Responsible Use	Zero-shot vs few-shot: teaching the model by example Role and persona prompting, and where it stops helping Chain-of-thought and step-by-step reasoning Nested and multi-stage prompting Self-critique and revision loops Turning a working prompt into a reusable template with variable slots Organising and version-controlling a personal library Testing a template against edge cases before trusting it	Implement four advanced patterns on real tasks Build a 20-prompt library, organised, parameterised and tested Document each template's intended use and limits	P2: Personal Prompt Library (Complete – 20 tested templates)	Live	3		ChatGPT · Claude · Gemini · Notion · Google Sheets	All audiences — repeatable personal systems

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BLOCK 2: Content Creation & Multimodal AI Weeks 3-4 12 hrs 4 Sessions												
Block 2: Content & Multimodal	9/12/2026	7:00 PM - 10:00 PM	3	Written Content & Multi-Format Repurposing	Long-form drafting and the editing pass that makes it usable Why an unedited AI draft reads generic, and exactly how to fix it Repurposing one piece across eight formats Tone and register control for different audiences Summarisation, expansion and translation Localisation into Indian regional languages Editing checklists you can apply every time	Produce one long-form piece edited to publishable standard Repurpose it across eight formats Localise one output into a second language	P3: Content Studio Portfolio (Part 1)	Live	3	12	ChatGPT · Claude · Gemini · Sarvam · Bhashini	Students: Assignments & notes Professionals: Reports & comms Self-employed: Marketing copy Job seekers: Applications
Block 2: Content & Multimodal	9/13/2026	7:00 PM - 10:00 PM	4	AI Images & Visual Assets	Image prompt anatomy: subject, style, composition, lighting, mood Model differences and where each is strongest Common failure modes: hands, embedded text, object counts, consistency Iterating deliberately toward a target image Character and style consistency across a set Editing, variation and upscaling workflows Copyright and commercial-use realities	Generate 20 usable images from structured prompts Diagnose and repair five failed generations Build a reusable visual prompt library	P3: Content Studio Portfolio (Part 2)	Live	3		ChatGPT Images · Gemini (native image) · Midjourney · Ideogram · Canva	Students: Diagrams & presentations Self-employed: Brand & product visuals All: Decks and social assets
Block 2: Content & Multimodal	9/19/2026	7:00 PM - 10:00 PM	5	AI Video & Avatar Presentations	AI avatar presentations with HeyGen Text-to-video with Veo 3 (native audio) and Google Vids Video tools overview: Sora, Runway, Kling, Luma Script writing for video — which is not writing for reading Storyboarding with AI assistance Long-form to short-form repurposing with Opus Clip; editing with Descript and CapCut Subtitles, localisation and multi-language versions Recognising when video is the wrong format	Produce one avatar presentation on a real task Generate three video outputs across formats Write and storyboard one video script	P3: Content Studio Portfolio (Part 3)	Live	3		HeyGen · Veo 3 · Google Vids · Opus Clip · Descript · CapCut	Students: Project presentations Professionals: Training explainers Self-employed: Promos & ads

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Block 2: Content & Multimodal	9/20/2026	7:00 PM - 10:00 PM	6	AI Voice, Audio & Professional Decks	Text-to-speech: voice selection, pacing and emphasis Professional voiceover for presentations and training Audio branding, podcast basics and music beds with Suno Converting written material to audio for review Voice cloning: consent, ethics and disclosure standards Message-first slide writing — the point before the layout Gamma for rapid decks and structured documents Editing a generated deck so it does not look generated	Produce a professional voiceover and a 10-file audio library Write your voice-use disclosure statement Produce one 10-slide message-first deck and one one-pager	P3: Content Studio Portfolio (Complete)	Live	3		ElevenLabs · Suno · Descript · Gamma · Google Slides	Students: Viva & seminar decks Professionals: Client and board decks Self-employed: Pitch material
BLOCK 3: Research, Assistants & Automation Week 5 6 hrs 2 Sessions · Tool mechanics here — applied per audience in Block 4												
Block 3: Research & Automation	9/26/2026	7:00 PM - 10:00 PM	7	Grounded Research, Document Q&A & Custom Assistants	Grounded vs open-web generation, and why the difference decides reliability NotebookLM: building a source corpus, querying with citations Handling large PDFs, chunking and source limits Perplexity for sourced discovery and citation trails Reading the citation, not just the answer Custom GPTs: configuration, knowledge base, tone, refusal behaviour Google AI Studio for grounded, cited responses Maintenance: keeping a knowledge base current	Build a grounded corpus of 5+ sources and run 20 verified queries Deploy two working assistants with knowledge bases Test and log ten queries against each	P4: Research Corpus & Knowledge Assistant	Live	3	6	NotebookLM · Perplexity · ChatGPT Custom GPTs · Google AI Studio	All audiences — mechanics taught once, applied four ways in Block 4
Block 3: Research & Automation	9/27/2026	7:00 PM - 10:00 PM	8	Workflow Automation with n8n & No-Code Build with Lovable	How AI agents plan, act and adapt: reflection, planning, tool use, multi-agent Automation mapping: which processes are actually worth automating n8n fundamentals: triggers, nodes, connections Connecting forms, spreadsheets, email and messaging No-code web apps and internal	Map five processes and rank by automation value Build two working automations end to end Deploy one no-code tool or interface and connect it	P5: Automation & No-Code Build	Live	3		n8n · Lovable · ChatGPT API · Google AI Studio · Zapier	All audiences — the leverage layer under every Block 4 module

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					tools with Lovable Connecting a tool to your automations Error handling and what happens when an automation breaks Documenting a workflow so someone else can maintain it							
BLOCK 4: FOUR APPLICATION MODULES — EVERY LEARNER TAKES ALL FOUR Weeks 6–9 24 hrs 8 Sessions · No electives, no track choice												
Module 4.1 – Learning & Research Acceleration Students lens · also for anyone learning a new domain, certification or skill												
M4.1: Learning	10/3/2026	7:00 PM - 10:00 PM	9	Your Study OS — Grounded Notes, Sources & Verification	Building a grounded notebook from your own textbooks, PDFs, lecture notes and papers Why open-web AI fails for study: hallucinated facts, invented citations, outdated data Source hierarchy for academic work: prescribed text > peer-reviewed > institutional > general web Verifying a generated fact in under sixty seconds, and checking a citation actually exists Concept explanation at three depths: simple, exam-level, expert-level Diagrams, flowcharts and mind maps generated from text Audio overviews for commute and revision Academic integrity: AI-assisted vs AI-written, and disclosure norms	Build a grounded notebook across 5+ of your own sources Run 20 subject queries with every citation verified Catch five planted errors in a generated summary Write your own academic AI-use standard	P6: Study OS (Part 1)	Live	3	6	NotebookLM · ChatGPT · Claude · Perplexity	Students: Semester coursework Professionals: Learning a new domain Self-employed: Skilling into a new service Job seekers: Interview subject prep
M4.1: Learning	10/4/2026	7:00 PM - 10:00 PM	10	Practice, Feedback & Retention Systems	Generating practice questions from your own material only, never open-web Quality QC: spotting ambiguous, duplicated or simply wrong generated questions Past-paper analysis: topic frequency and weightage patterns Rubric-based feedback on your	Generate 100 verified practice questions from your own sources Deploy a rubric evaluator and get structured feedback on 5 pieces of your own work Build a dated 60-day revision plan with 100	P6: Study OS (Complete)	Live	3		ChatGPT · NotebookLM · Claude · Google Sheets	Students: Exams and assessment Professionals: Certification prep All: Retaining what you learn

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					own written work — AI evaluates, you draft The write-first rule and preserving your own voice under AI feedback Spaced revision calendars and active-recall flashcards from your own notes Error logging: tagging mistakes by cause and acting on the pattern Study groups and shared prompt libraries	flashcards and a tagged error log						
Module 4.2 – Daily Work Effectiveness Working Professionals lens · also for students in internships and self-employed running operations												
M4.2: Daily Work	10/10/2026	7:00 PM - 10:00 PM	11	Your Daily AI Stack — Email, Meetings, Docs & Data	Inbox triage, reply drafting and escalation judgement Meeting notetakers — Granola, Fathom, Otter: consent, accuracy limits and what to correct Action extraction, ownership and follow-up discipline Report and memo drafting to a standard your manager will accept Spreadsheet analysis and chart selection with Claude for Excel Copilot and Gemini inside Microsoft 365 and Google Workspace What never goes into a chat window at work: client data, PII, credentials, unreleased financials	Run one full week on an AI-assisted email and meeting workflow Produce one report and one data analysis on real tasks Write your own workplace data-handling rule	P7: Work Playbook (Part 1)	Live	3	6	Granola · Fathom · Claude for Excel · Microsoft 365 Copilot · Gemini · ChatGPT	Professionals: Inbox and meeting load Students: Internship and project work Self-employed: Client comms Job seekers: Day-one readiness
M4.2: Daily Work	10/11/2026	7:00 PM - 10:00 PM	12	Task Systems, Role Playbook & Measured Time Saved	Mapping your week: delegate / automate / AI-assist / leave alone Task and priority management with AI; planning rituals that survive a bad week Building a role-specific playbook another person could follow Shipping one automation: recurring reports, reminders, handoffs Measuring time saved with method and stated limitations —	Map your week and identify your five highest-value AI tasks Build a 10-workflow role playbook Ship one automation and evidence time saved with the method stated	P7: Work Playbook (Complete)	Live	3		ChatGPT · Claude · n8n · Google Sheets · Gamma	Professionals: Standing out on evidence Self-employed: Operations discipline All: A system that survives a busy week

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					never round-number claims Becoming visibly useful without becoming the office AI evangelist Governance: approved-tool lists, disclosure norms and team rollout							
Module 4.3 – Solo Production & Client Work Self-employed lens · also for anyone building side income or an internal service												
M4.3: Solo Production	10/17/2026	7:00 PM - 10:00 PM	13	In-House Production — Replacing the Freelancer Spend	Outsourcing audit: what you currently pay for, what it costs, what is realistically replaceable Brand kit in-house: logo variations, colour, type and templates Design production: social sets, brochures, decks, packaging mockups Copy production: website, landing pages, product descriptions, ad variants Video and voice: promos, explainers, avatar presentations, voiceover Where NOT to replace a professional — honest limits on quality, liability and IP Quality gate: what ships as-is and what still needs a human	Complete an outsourcing audit with real costs attached Produce a brand kit plus three design assets in-house Produce one video and one voiceover asset Write your own quality gate	P8: Solo Studio (Part 1)	Live	3	6	Canva · ChatGPT Images · Gemini · Midjourney · HeyGen · ElevenLabs · Gamma	Self-employed: Cutting outsourced spend Professionals: In-house team assets Students: Portfolio production
M4.3: Solo Production	10/18/2026	7:00 PM - 10:00 PM	14	Client Acquisition, Delivery & Operations	Defining and pricing an offer with no track record Lead research and personalised outreach at scale without becoming spam Proposals, quotations and scoping notes Client enquiry assistant grounded on your own documents; WhatsApp and web deployment Onboarding, invoicing and reminder automation with n8n A simple client-facing tool or dashboard with Lovable Contracts, scope creep and the cash-flow reality of solo work	Define two priced services and publish a service page Produce a three-touch outreach sequence and two proposals Deploy an enquiry assistant and ship one operations automation	P8: Solo Studio (Complete)	Live	3		ChatGPT · Perplexity · n8n · Lovable · Google Sheets · Gamma	Self-employed: Pipeline and delivery Professionals: Side income Students: Freelance while studying

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Module 4.4 – Career Positioning & Job Search First-job lens · also for switchers, returners and anyone targeting AI-related roles												
M4.4: Career	10/24/2026	7:00 PM - 10:00 PM	15	CV, Profile & Portfolio That Actually Get Read	CV architecture when you have little or no formal work experience ATS mechanics: parsing, keywords and formatting traps Leading with projects and demonstrated capability instead of job titles Tailoring per role without rewriting from scratch each time LinkedIn built around recruiter search behaviour Portfolio assembly — using this course's own P1–P8 projects as your evidence Handling gaps, switches and non-linear paths honestly	Produce an ATS-ready CV tailored against three real job descriptions Publish an optimised LinkedIn profile Publish a live portfolio URL built from your course projects	P9: Career Launch Kit (Part 1)	Live	3	6	ChatGPT · Claude · Notion · Gamma · LinkedIn	Job seekers: First role Professionals: Switching or promotion Self-employed: Credibility page Students: Internship applications
M4.4: Career	10/25/2026	7:00 PM - 10:00 PM	16	Targeting AI Roles, Interviews & Search Systems	The AI job market honestly: which roles genuinely need AI skills and which merely say so Role families: AI-adjacent (AI inside an existing function) vs AI-native (prompt, automation, AI ops) Reading a job description for the real requirement behind the wording Interview formats: screening, competency, technical, case and panel STAR answers built from your own course projects as evidence AI mock panels with recorded playback and structured feedback Salary conversations with no prior baseline Pipeline tracking, automated follow-ups and a 90-day search plan	Map 15 target employers and decode 5 real job descriptions into required proof Complete four recorded mock interviews and eight STAR answers Build an automated pipeline tracker and a 90-day plan with weekly targets	P9: Career Launch Kit (Complete)	Live	3		ChatGPT · Claude · Perplexity · n8n · LinkedIn · Google Sheets	Job seekers: Offer conversion All: Knowing what AI roles actually require

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BLOCK 5: Capstone — Projects Week 10 6 hrs 2 Sessions												
Block 5: Capstone	10/31/2026	7:00 PM - 10:00 PM	17	Capstone Build Lab — Integrate & Sprint	Capstone brief issued: Your AI Operating System — one integrated system spanning all four modules Scoping the deep-dive component: choose one module to take further with real-world evidence Success criteria fixed before building Guided build sprint with facilitator 1:1 check-ins Verification pass: every factual claim traced to a named source Privacy declaration signed Documentation standards: process notes, sources, screenshots, dead ends	Submit a one-page scoped proposal with success criteria Integrate P1–P9 into one working system Complete the deep-dive build with real-world evidence	P10: AI Operating System (Build)	Live	3	6	All tools — learner's own stack	All audiences — integration of everything built
Block 5: Capstone	11/1/2026	7:00 PM - 10:00 PM	18	Showcase, Certification & 90-Day Plan	10-minute capstone presentations per learner Peer and facilitator scoring against the weighted rubric Honest-reporting requirement: what failed is presented, not hidden Grading bands applied: Distinction 85+ · Merit 70–84 · Pass 55–69 · Resubmit below 55 Top 3 projects put forward for IBM recognition 90-day plan: what you will keep running after the course ends Alumni network activation and portfolio submission	Present your AI Operating System and defend it under questioning Submit final portfolio for IBM + NASSCOM certification Leave with a 90-day plan naming what you will sustain	P10: AI Operating System (Showcase)	Live	3		Gamma · Notion · Google Slides	All audiences — certification and sustained practice