

AI in Project Delivery

Monitoring, Control & Execution

Day	Topics	AI Tools Covered	Practical Activities / Demonstrations	Assignments / Deliverables
Day 01 Foundations of AI in Project Delivery	• AI landscape for project delivery • AI capabilities & limitations • AI in project lifecycle • Organisational readiness • Prompt engineering basics • AI-assisted project planning intelligence	• ChatGPT • Claude • Google Gemini • Microsoft Project	• Create basic project schedule in MS Project • Build WBS, milestones & dependencies • AI-generated project summary • AI-generated RAID log • AI stakeholder communication drafting • AI analysis of project charter & schedule	• Create project plan in MS Project • Export schedule summary • Generate AI-based:— Risk overview— Stakeholder communication— Governance recommendations— AI opportunity matrix
Day 02 Real-Time Monitoring & Predictive Analytics	• AI-driven dashboards • Real-time tracking principles • Predictive analytics • AI forecasting • Variance analysis • Proactive issue resolution	• DataSquirrel • ChatGPT • Claude • Microsoft Project	• Update project progress in MS Project • Track baseline vs actual • Export variance reports • Build AI-generated dashboards in DataSquirrel • Predict project risks using AI	• Update project schedule • Export tracking & variance data • Create AI dashboard • Generate predictive analysis report • Recommend corrective actions & recovery strategy
Day 03 Optimising Resources & Team Performance	• AI-driven resource optimization • Dynamic resource allocation • Team productivity analysis • Human vs AI decision-making • Resource leveling challenges	• Microsoft Copilot • Claude • ChatGPT • Microsoft Project	• Resource allocation in MS Project • Export resource data into Excel • AI productivity insights • Resource conflict resolution	• Optimize project resources • Create AI-based workload analysis • Generate resource balancing recommendations • Prepare productivity improvement strategy

Day 04 Compliance, Quality Control & Reporting	• AI for compliance tracking • AI-based quality assurance • Governance monitoring • Automated reporting • AI-generated stakeholder insights • Governance dashboards	• NotebookLM • Google Gemini • Claude • ChatGPT • Microsoft Project	• Upload SOPs & governance docs into NotebookLM • AI compliance gap analysis • AI defect & quality analysis • Generate executive summaries • Governance dashboard workshop • AI-generated steering committee reporting	• Conduct governance assessment • Generate AI-assisted audit/compliance report • Prepare executive dashboard summary • Recommend corrective & preventive actions
Day 05 Applying AI to Comprehensive Project Control	• Integrated AI project control • Enterprise AI adoption • AI governance & ethics • AI-enabled PMO • Future trends in AI for PM • AI-assisted executive decision-making	• ChatGPT • DataSquirrel • NotebookLM • Microsoft Copilot • Claude • Microsoft Project	• Update project status in MS Project • AI-based project health analysis • AI forecasting & recovery planning • Governance & risk review • Final capstone presentation	• Submit final project package including:— Updated MS Project schedule— AI-generated dashboards— Predictive analysis report— Governance assessment— Recovery roadmap— Executive presentation deck