# **Objectives, Materials, and Assignment @Oxford AI Summit**

## **Overview & Context**

* **Assignments** are embedded inside **The Oxford Artificial Intelligence Summit 2025** (27 – 28 June 2025) whose theme is **“Autonomous AI Agents: Learning from deployments (low‑code & full‑code)”**.
* Over two high‑energy days **plus a follow‑up week** you’ll design, build and demo an autonomous‑agent that tackles a real‑world workflow.

## **Learning Materials**

| **Canvas** | Access themed lecture slides and curated readings for each Summit topic at <https://canvas.ox.ac.uk/courses/275912> |
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## **Groups & Credits**

* Participants are pre‑assigned to multidisciplinary **groups**.
* <https://docs.google.com/spreadsheets/d/1pDbENfHuElmlx0EPCrSO4dOA71p6pScYv9a3n2boSn0/edit?gid=371112710#gid=371112710>

**Projects Details**

Over the next week your group will design and prototype a solution.

* **Project details:** You will choose **one** of the use-cases listed below and build a **full-code** or **low-code** implementation (your group has already selected which path to follow). Further technical instructions for the full-code and low-code projects will be explained during the corresponding assignment sessions.
* **Build tracks:**
  + *Full-code* – end-to-end solution written from scratch.
  + *Low-code* – rapid build using the approved low-code platform.
* **Team structure:** You will work in groups. Each group owns a single project submission.
* **Credit allocation:** Each group confirms a **Group Leader** who submits deliverables on behalf of the team and receives the formal course OpenAI credit.
* **Guidance & support:** Detailed build requirements will be provided during the corresponding assignment sessions. **Mentors** circulating in person during the event + on Whatsapp.
* **Deadline:** **6 July** (one week from the date this assignment is issued).

**Use Cases**

Select **one** use-case from the list below and tailor your solution to it.

**1. Healthcare – Patient Journey Optimization**

Use Case: Analyzing patient flow from admission to discharge.

Goal: Identify bottlenecks (e.g., long wait times), unnecessary steps, or re-admissions to improve service delivery and reduce costs.

**2. Manufacturing – Production Line Efficiency**

Use Case: Tracking production workflows from raw materials to finished goods.

Goal: Detect deviations, delays, or inefficiencies in assembly lines to enhance throughput and reduce waste.

**3. Financial Services – Loan Application Processing**

Use Case: Monitoring the steps from loan application to approval or rejection.

Goal: Ensure compliance, reduce delays, and spot fraudulent patterns or unnecessary rework.

**4. E-commerce – Order-to-Cash (O2C) Process**

Use Case: Mapping customer order fulfillment from purchase to payment.

Goal: Reduce order delays, improve customer satisfaction, and optimize cash flow.

**5. Logistics – Shipment and Delivery Tracking**

Use Case: Analyzing logistics operations including warehouse handling, dispatch, and delivery.

Goal: Minimize delivery delays, improve routing efficiency, and manage supply chain risks.

**6. Public Sector – Permit and License Approvals**

Use Case: Monitoring application processes for building permits, business licenses, etc.

Goal: Streamline public services, reduce citizen wait times, and increase transparency.

**7. IT Service Management – Incident Resolution**

Use Case: Mapping IT incident management (e.g., ticket creation → triage → resolution).

Goal: Reduce Mean Time to Resolution (MTTR), identify recurring issues, and optimize service desk workflows.

**8. Telecommunications – Customer Onboarding**

Use Case: Tracking steps for onboarding new subscribers or activating services.

Goal: Ensure timely activations, reduce churn, and uncover causes of failed onboarding attempts.

**9. Insurance – Claims Processing**

Use Case: Analyzing the end-to-end claims handling process.

Goal: Detect fraud, accelerate payouts, and ensure regulatory compliance.

**10. Education – Student Enrollment and Course Progression**

Use Case: Mapping student actions from enrollment, registration, to course completion.

Goal: Identify drop-out risks, improve academic advising, and optimize program structure.