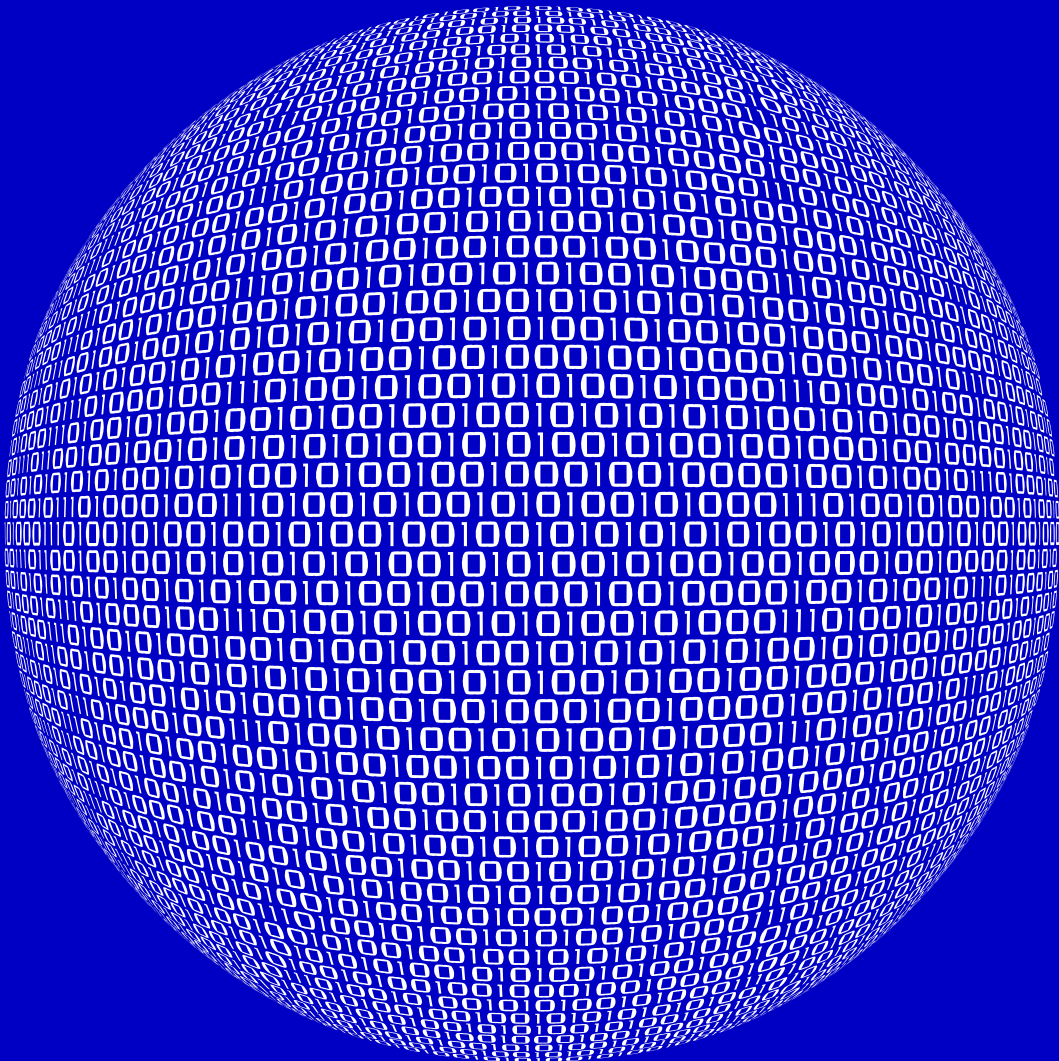


Digital & Artificial Intelligence Strategy

2025 - 2030



Introduction

Developing a comprehensive Digital and Artificial Intelligence (AI) strategy for Leeds College of Building (LCB) involves aligning with national education standards, integrating technology to enhance learning, and preparing students for the future workforce. For this strategy to be implemented, we must establish and accept the starting points of our staff so we can develop bespoke training which suits the needs of everyone.

LCB has several digital platforms including Collsys, ProMonitor, Strata, Century, CPOM's, Purlos and eSignUp and all our staff need the knowledge and confidence to use them effectively, as appropriate to their job role. This strategy supports our students and staff to navigate a complex, fast changing area and develop skills and competencies for their working lives.

Strategic Aim

To become a leading institution in digital construction education, fostering innovation and equipping staff and students with the digital skills needed to undertake work related activity now and in the future.

What Success Will Look Like

Success in this strategy area will be dynamic, however, for LCB, our success will mean:

- Enhanced learning experiences through digital technologies.
- Improved operational efficiency in all areas with AI-driven processes.
- Fostered digital literacy and skills among students and staff.
- Promoted inclusive and accessible education.

Digital Infrastructure

What Success Looks Like

A detailed programme will be delivered which identifies the digital requirements for the various learning environments, setting sector leading standards.

To achieve this, we will:

- Complete an audit of existing digital infrastructure, identifying gaps in hardware, software, and network capabilities.
- Upgrade and maintain internet bandwidth and network security.
- Equip all learning environments with the appropriate digital facilities
- Establish a robust Learning Management System (LMS) such as Moodle.
- Implement immersive technologies to enhance student learning experience

Digital Learning Environment

What Success Looks Like

Learning will take place in person, and online, synchronously and asynchronously, with all models of delivery providing highly effective learning experiences.

To achieve this, we will:

- Provide training for staff so they have the knowledge and confidence to effectively use the digital learning environment.
- Develop a blended learning model linking to our curriculum combining in-person and online instruction.
- Create digital content and resources to support online learning and student led learning outside of the classroom.

- Enhance the VLE with interactive features such as discussion forums, immersive classrooms, VR headsets and AI tutors etc. to engage students online.

Artificial Intelligence (AI) Integration

What Success Looks Like

Artificial Intelligence will be used to enhance, streamline and support the student experience, and will provide our staff with a balanced workload, focusing their time on the student and employer, and not administrative work.

To achieve this, we will:

- Review AI tools to implement for administrative tasks such as scheduling, queries, minutes of meetings and student support, focusing on improved customer experience.
- Use employer feedback to inform which digital & AI platforms students should be using within their subject area.
- identify and implement the right AI tools for the College and its students.
- Review and establish AI-driven personalised learning platforms to tailor education to individual student needs, focusing on feedback, planning for different needs, and reducing barriers to learning.

Staff Training and Development

What Success Looks Like

Our workforce will have the skills and confidence to use the right technology, supporting the student experience. Staff will be confident to take risks, share mistakes and best practice as we develop this strategy for the whole College.

To achieve this, we will:

- Establish starting points of all staff ensuring a clear link relevant to their role.
- Offer continuous professional development programs focusing on digital skills and AI literacy.
- Support staff to gain certifications in digital education tools and AI applications.
- Encourage staff to share best practice and lessons learned, when they are using digital & AI
- Form a Digital & AI Committee which represents the whole College and leads this strategy.
- Establish a support team for digital and AI tools, including IT experts and instructional designers.
- Create a peer mentorship program for sharing best practices and innovative teaching methods.
- Develop digital and AI champions who represent all areas of the college.
- Monitor the use and effectiveness through Professional Growth Observations (PGO's) and Curriculum Review activity.

Student Engagement and Support

What Success Looks Like

Our students will be trained in line with industry requirements for digital and AI skills, as appropriate for their career, and wider aspirations. They are the leaders of the future and should be driving change in the sector through their use of technology.

To achieve this, we will:

- Embed digital literacy into the curriculum across all subjects where appropriate and in line with current industry requirements.
- Offer workshops and extracurricular activities focused on emerging technologies like AI, robotics, and VR activities.

- Give students a broader understanding of how AI fits into the workplace and educate them on data protection and cyber security risks.
- Work with employers to ensure students are learning relevant digital and AI skills which are current and used within the workplace.
- Organise guest lectures and employer talks to fully prepare students for work related opportunities and to equip them with the necessary digital and AI skills required in the modern workforce.

Partnerships and Collaboration

What Success Looks Like

Our students will be trained in line with industry requirements for digital and AI skills, as appropriate for their career, and wider aspirations. They are the leaders of the future and should be driving change in the sector through their use of technology.

To achieve this, we will:

- Collaborate with relevant organisations to stay updated on industry trends and innovations.
- Ensure digital and AI is included on advisory boards with industry experts to guide curriculum development.
- Engage in national and international digital education forums and networks.

By following this comprehensive strategy, LCB will not only improve its digital and AI capabilities but also create a future-ready environment for students and staff.