UNIVERSITY OF
CAMBRIDGE
Department of Engineering

IfM | Education and
Consultancy Services

WHAT'S NEXT ON YOUR

DIGITAL TRANSFORMATION JOURNEY?

TAKE YOUR NEXT STEPS WITH THE INSTITUTE FOR MANUFACTURING

1 EXPLORE THE POTENTIAL

2 UNDERSTAND THE VALUE

3 DEFINE WHERE TO GO

4 IDENTIFY PATHWAYS

5 IMPLEMENT PROJECTS

FIVE STEPS FOR DIGITAL TRANSFORMATION

1 EXPLORE THE POTENTIAL	**2 UNDERSTAND** THE VALUE	**3 DEFINE** WHERE TO GO	**4 IDENTIFY** PATHWAYS	**5 IMPLEMENT** PROJECTS
Discover where and how technology can help	**Explore and create a compelling business case**	**Create your organisation's digital vision**	**Map out where you are now and where you want to get to**	**Develop the capabilities to achieve your digital vision**

1 — Discover where and how technology can help
- Learn from examples of digital implementations relevant to your business.
- Raise awareness of existing technologies and their readiness level.
- Evaluate the technologies that are currently deployed in your sector.
- Create a basic narrative setting out when current and emerging technologies could be most useful.
- Develop confidence and understanding in what your digital future looks like.

2 — Explore and create a compelling business case
- Identify ways to improve and create new value for your customers by working innovatively with organisations in your business ecosystem.
- Assess the sustainability (triple bottom line) model for new technology adoption or markets.
- Assess digital capabilities across your organisation, analyse performance and highlight areas for improvement.
- Identify, design and prioritise potential innovations in your production and business processes.

3 — Create your organisation's digital vision
- Achieve consensus as an organisation about where you are going, developing a cross-stakeholder aligned vision of your digital future.
- Explore potential digital scenarios for your sector.
- Assess your digital capability.

4 — Map out where you are now and where you want to get to
- Consider, plan and map your digital journey with key stakeholders across your organisation to create clarity and buy-in for the next steps you need to take.
- Address key aspects of your strategy including external drivers, internal drivers and capabilities to arrive at a blueprint for your digital transformation.
- Select solutions, projects and technologies that will deliver the most value to your organisation.

5 — Develop the capabilities to achieve your digital vision
- Decide whether you will develop the digital expertise in-house or source it from a third party.
- Consider what, when and how to automate your operations.
- Develop an IP strategy that protects your digital investments.
- Use professional development to build the right capabilities across your organisation.

IfM Tools and Approaches

EXPLORE	UNDERSTAND	DEFINE	IDENTIFY	IMPLEMENT
• Education, training on digital technologies • Case studies • White papers • Reports	• Value mapping tool • Business ecosystem mapping • Service assessment • Information disruption • Creativity and ideation • Industrial resilience audit • Business model innovation	• Scenarios • Visioning • Automation assessment • End-to-end supply chain modelling and simulation • E-procurement and e-commerce	• Digital transformation strategy • Digital supply chain scenarios • Roadmapping • Portfolio and digital solutions prioritisation	• Make vs buy • Designing services • IP strategy • Roadmapping implementation planning • Technology acquisition • Professional development

WORK WITH US

The tools and approaches listed above, which are research-based and industrially-proven, can be applied across different steps and tailored to meet your individual requirements.

For more information, please contact: Dr Nicky Athanassopoulou T: +44 (0)1223 760376 E: naa14@cam.ac.uk