



Forging Enterprise Visionaries With A Strategic **Tech Leadership Program**

How UNext Coached Minus-one Leaders Of An EPC Company
With Forward-looking Capabilities & Practices

unext

Overview

\$300,000 is the amount around **86%** of the manufacturing companies lose due to a downtime in their networks, systems, or applications according to an ITIC report.

Delays stemming from such downtimes was one of the core concerns our partnering client wanted to reduce. The client, who is one of the most prominent manufacturing market players in India had just completed a mega project in the country.

Having successfully delivered the project, the CEO immediately realized two aspects it needed to work on this year to optimize outcomes, workflows, productivity, and ultimately profits. It identified the core aspects as:

Technological Leadership

Minimize delays stemming from operational inefficiencies

Having been a long-time training partner for the client, they approached us – UNext – to once again deploy a bespoke Leadership Development Program to address and tackle the problem statements it presented.

The case study documents this transformative journey of our program and brings to light the intricacies in delivering a critical project of such scale and sensibility.



The Program Philosophy

The first step was to take a top-down approach to implementing digital transformation initiatives and ultimately minimize operational inefficiencies. The idea of leveraging advanced and niche emerging technologies should happen at the leadership circle apart from implementors. This was the foundation ideology of the program.

We added further depth to this by addressing:

The what - what digital transformation means in EPC

The why – the need for innovative technologies and business case for digitalization

The how - nurturing competencies in AI and other EPC-specific technologies like AR/VR, cybersecurity, smart sensors and more

Learner Profile:

C-level executives from the enterprise including the CFO, Executive Directors from engineering services teams, CIO, and other key stakeholders

UNext's Tech Leadership Program – Detailed Program Flow

Digital transformation in EPC is a complex and all-encompassing topic. For the most seamless introduction and maximum learning impact, a systematic procedure had to be taken.

To do this, our academics team drafted an extensive **6-week blended program**. It featured two face-to-face sessions of 4 hours for the inauguration and culmination of the program. Over the 6 weeks, participants were trained to inculcate tech leadership competencies across emerging technologies. Here's a brief snapshot of the program flow:



WEEK 1

- Introduction to Digital Paradigms
- Disruptive business and technology drivers
- Demonstration of Conversational AI model

WEEK 2

- Overview of Digital Transformation in EPC
- Use cases of Digital Transformation

WEEK 3

- Applications of AI/ML in project management in EP
- Application of Automation solutions in EPC
- Using AI & ML for advanced analytics/automation, Demo

WEEK 4

- The Landscape of Data & AI in EPC business
- Monetizing Data and AI
- Building an AI-Driven Company
- Applications of Data and AI in the EPC Industry and Demonstrations

WEEK 5

- Introduction to Generative AI
- Generative AI – Features & Capabilities
- Generative AI – Tools Showcase

WEEK 6

- Introduction to Mixed Reality (AR/VR) in EPC
- Cybersecurity Essentials for EPC
- Smart sensors for strategic insights in EPC

WEEK 7

- Digital Insights into 3D Construction
- Unlocking the Potential of Smart Supply Chains
- Strategic Leadership in Smart Infrastructure Projects

Tech Leadership Program

Key Differentiators

UNext excels in delivering contextual and bespoke workforce development programs. Our strength lies in the fact that we customize our program modules to not just industry-specific problem statements but native concerns plaguing enterprises as well.

For this collaboration, we clearly understood the bottlenecks in EPC the partnering client was facing and tailored our experiential learning modules such as case studies, assessments, and assignments to address and resolve them.

This led to the strategizing of a pedagogy featuring interactive modules apart from face-to-face and virtual instructor led sessions.

Interactive Participant Engagement



Engaging content,
case studies



Demonstrations



Pre and post
program survey



Quizzes



Polls



Q&A

Week-wise Learning Outcomes

Week	Learning Outcomes
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| Week 1 | <ul style="list-style-type: none">• Understand various technologies at a high level as relevant to the Construction Industry• How Building Information Modelling enhances project visualization and coordination, reducing errors and improving efficiency• Applications of IoT & sensors in creating IBs, enabling real-time monitoring & predictive maintenance• The role of AI, robotics, and smart materials in revolutionizing construction practices, contributing to sustainability and efficiency in infrastructure projects• Transformative potential of Large Language Models (LLMs) in expediting legal and contract documentation processes and more |
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| Week 2 – 5 | <ul style="list-style-type: none">• Understand different approaches to automate the processes specific to the EPC sector• Grasp the different ways data and AI can generate revenue for businesses• Understand the ethical implications of AI implementation• Understand the concepts of AR & VR• Understand the need for information security and impact caused by security breaches and more |
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| Week 6 | <ul style="list-style-type: none">• The basics of 3D Construction• Fundamentals & significance of Smart Supply Chain• Strategies for data-driven decision-making leveraging predictive analytics to transform inventory management• Benefits of transparent and secure supply chain practices• Smart Supply Chain best practices applicable to EPC projects• How digital twins enhance project visibility and control• Role of smart technologies in sustainable project management |
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Measuring Learning Impact Through Pre & Post-program Assessments

Learning should translate into actions and ultimately become part of the enterprise culture. At UNext, we believe learning is complete only when participants can solve problems by applying what they are taught.

This collaboration was no exception. As part of our modus operandi to conduct pre- and post-program assessments, we observed a remarkable difference in their understanding of concepts. The participants showed increased knowledge of topics they were trained on and were able to practically apply them by presenting case studies and documents as well.



The Result

The program was a phenomenal success. The learning intervention introduced the tangible benefits of digitalization of processes and workflows for CXOs to implement and experience. They showed increased understanding of emerging technologies and their use cases in the construction space, leverage Gen AI for conflict resolutions, and bring in a digital-first culture across their operations.

Thanks to the weekly connects with UNext's dedicated project managers, on-the-go modifications of modules were also made to maximize learning impact. Collaboration with UNext once again proved to be rewarding for the partnering client, who is currently exploring to implement further niche programs for specialists in the same space.

Transform Your Workforce With Us

If you intend to foster a similar forward-looking culture with technology at the fulcrum of your operations, we recommend our strategic workforce development programs. We are enablers of skills in your enterprise and we recommend getting in touch with us today to explore bespoke transformation program for your professionals. Nurture your workforce for excellence and witness exponential enterprise growth with us.



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The logo for 'unext', with the 'u' in orange and 'next' in black.

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