

Curriculum

Digital Transformation

Certificate

Program



DACH
Dalilna Chools

TRAINING MODULES- DIGITAL TRANSFORMATION PROGRAM – DAY 1 TO 5

Days	Main Topics	Subtopic	Tools – Software's or Templates	Assignment (Y/N)	Capstone Project (Y/N)	Research / Case Studies
Day-1	Module I – Introduction to Programming	- Lean thinking and TPS philosophy in DT (leadership and culture , target and performance management ,Kaizen Platforms) - From waste to value : applying the 5 principles of lean thinking	Lean framework,PDCA VSM,Kaizens, problem solving tools FMECA,Fishbone, 5 why, Decision Tree	Y		Case Study I – Lean Digital transformation Strategy
Day-2	Module I – Introduction to Programming	Basic probability models & problem-solving models (PDCA/PDSA) + 100 Business frameworks to support digital transformation.	-	Y		
Day-3	Module I – Introduction to Programming	Lean digital : substituting existing digital waste with data profit	-	Y		
Day-4	Module I – Introduction to Programming	Development of lean digital transformation strategy (5 steps)	-	Y		
Day-5	Module I – Introduction to Programming	Case studies and best practices : combining lean principles with selected technological building blocks, future of operations	-	Y		

TRAINING MODULES- DIGITAL TRANSFORMATION PROGRAM – DAY 6 TO 10

Days	Main Topics	Subtopic	Tools – Software's or Templates	Assignment (Y/N)	Capstone Project (Y/N)	Research / Case Studies
Day 6	Module 2 – Using agile strategies for digital transformation	Agile fundamentals: framework & manifesto, principles, benefits and challenges	Framework , Scrum & AGILE Methods	Y		Case Study 2 – AGILE Methodology in Digital Transformation
Day 7	Module 2 – Using agile strategies for digital transformation	Agile Requirement: gathering requirements (agile way) till generating the user stories (The currency of agile development)	-	Y		
Day 8	Module 2 – Using agile strategies for digital transformation	Agile estimation & planning: estimation style and processes, velocity, release planning and tracking	Framework , Scrum & AGILE Methods	Y		
Day 9	Module 2 – Using agile strategies for digital transformation	SCRUM overview and methods: sprints planning , tracking , execution daily standups and review and Retrospective	-	Y		
Day 10	Module 2 – Using agile strategies for digital transformation	Case Studies and Best Practices: applying agile to develop digital transformation solutions	-	Y		

TRAINING MODULES- DIGITAL TRANSFORMATION PROGRAM – DAY 11 TO 15

Days	Main Topics	Sub Topic	Tools – Software's or Templates	Assignment (Y/N)	Capstone Project (Y/N)	Research / Case Studies
Day 11	Module 3 – Using design thinking for digital transformation	Design thinking DIGITAL transformation framework , product life cycle in DIGITAL transformation & the foundation for Innovation (Clarity and Empathy)	DsT Framework , Problem Framing, B. J. Fogg Behavioral Model, Concept Poster & Prototypes, Stakeholder Analysis	Y		Case Study – 3 – Application of Design thinking
Day 12	Module 3 – Using design thinking for digital transformation	Ideate Part 1: tools for generating ideas & applied creativity	-	Y		
Day 13	Module 3 – Using design thinking for digital transformation	Ideate Part 2: user values and behaviors & prototyping methods	-	Y		
Day 14	Module 3 – Using design thinking for digital transformation	Develop: an experimentation mindset & product architecture	-	Y		
Day 15	Module 3 – Using design thinking for digital transformation	Implement: communication and structure	-	Y		

TRAINING MODULES- DIGITAL TRANSFORMATION PROGRAM – DAY 16 TO 20

Days	Main Topics	Subtopic	Tools – Software's or Templates	Assignment (Y/N)	Capstone Project (Y/N)	Research / Case Studies
Day 16	Module 4 – Data and Analytics	- Data-Driven decision making - Big data and analytics in digital transformation	Big data & analytics	Y		Case Study – 3 – Application of Design thinking
Day 17	Module 4 – Data and Analytics	Big data and analytics in digital transformation (1)	--	Y		
Day 18	Module 4 – Data and Analytics	Big data and analytics in digital transformation (2)	--	Y		
Day 19	Module 4 – Data and Analytics	Data governance and security		Y		
Day 20	Module 4 – Data and Analytics	Implementing analytics solutions & practical exercises	--	Y		

TRAINING MODULES- DIGITAL TRANSFORMATION PROGRAM – DAY 21 TO 25

Days	Main Topics	Subtopic	Tools – Software's or Templates	Assignment (Y/N)	Capstone Project (Y/N)	Research / Case Studies
Day 21	Module 5 – Emerging Technologies	Artificial intelligence and machine learning	AI, ML, Block Chain, IoT, AR,VR	Y	Capstone Project I : Digital Maturity Model	Case study 4: Digital Transformation Roadmap Plan – ST/ MT / LT
Day 22	Module 5 – Emerging Technologies	Blockchain technology	AI, ML, Block Chain, IoT, AR,VR	Y		
Day 23	Module 5 – Emerging Technologies	Internet of Things (IoT)	AI, ML, Block Chain, IoT, AR,VR	Y		
Day-24	Module 5 – Emerging Technologies	Augmented Reality (AR) and Virtual Reality (VR)	AI, ML, Block Chain, IoT, AR,VR	Y		
Day-25	Module 5 – Emerging Technologies	Practical demonstrations and hands-on activities	Customer centric	Y		

TRAINING MODULES- DIGITAL TRANSFORMATION PROGRAM – DAY 26 TO 30

Days	Main Topics	Subtopic	Tools – Software's or Templates	Assignment (Y/N)	Capstone Project (Y/N)	Research / Case Studies
Day 26	Module 6 – Customer-Centric Approach (refer ISB curriculum)	Customer experience and journey mapping	Customer centric	Y	Capstone Project 2 : Customer Prototyping & Digital transformation	Case Study 5 : Understanding RISK Management in Digital transformation
Day 27	Module 6 – Customer-Centric Approach (refer ISB curriculum)	Personalization and customer engagement	Customer centric	Y		
Day 28	Module 6 – Customer-Centric Approach (refer ISB curriculum)	Customer experience and journey mapping	Customer centric	Y		
Day-29	Module 7 – Cybersecurity and Risk Management	Cybersecurity in digital transformation	Cyber security & risk assessment	Y		
Day-30	Module 7 – Cybersecurity and Risk Management	Identifying and mitigating risks	Cyber security & risk assessment	Y		

TRAINING MODULES- DIGITAL TRANSFORMATION PROGRAM – DAY 31 TO 35

Days	Main Topics	Subtopic	Tools – Software's or Templates	Assignment (Y/N)	Capstone Project (Y/N)	Research / Case Studies
Day-31	Module 7 – Cybersecurity and risk management	Secure digital transformation practices, compliance & data protection	Cyber security & risk assessment	Y	Capstone Project 2 : Customer Prototyping & Digital transformation	Case Study 5 : Understanding RISK Management in Digital transformation
Day-32	Module 8 – Digital transformation implementation	Project management for digital transformation (1)	Project management & change management	Y		
Day 33	Module 8 – Digital transformation implementation	Project management for digital transformation (2)	Project management & change management	Y		
Day 34	Module 8 – Digital transformation implementation	Change management and cultural shift	Project management & change management	Y		
Day 35	Module 8 – Digital transformation implementation	Integrating new technologies with Real- World case studies	Project management & change management	Y		

TRAINING MODULES- DIGITAL TRANSFORMATION PROGRAM – DAY 36 TO 40

Days	Main Topics	Subtopic	Tools – Software's or Templates	Assignment (Y/N)	Capstone Project (Y/N)	Research / Case Studies
Day 36	Module 9 – Innovation in digital transformation	Seven fundamentals of innovation framework - building blocks	Framework and tools	Y	Capstone Project 3 : Deploying Innovation Models in Organization	
Day-37	Module 9 – Innovation in digital transformation	Digital transformation innovation effectiveness curve for decision making & leadership mindset	Framework and tools	Y		
Day-38	Module 9 – Innovation in digital transformation	- Applying innovation management models for digital transformation solutions selection with applied case studies (1) - Blue Ocean, KANO model, Service design process, the golden circle, the whole brain model, the six WH, human centered design	Framework and tools	Y		
Day-39	Module 9 – Innovation in digital transformation	- Applying innovation management models for digital transformation solutions selection with applied case studies (2) - Value proposition and business models, customer segment profile, JTBD, 70-20-10 rule, SCAMPER tool, business process reengineering	Framework and tools	Y		
Day 40	Module 9 – Innovation in digital transformation	- Identifying opportunities for innovation/digitalization - Understanding the customer - building detailed personas - Creating and validating a problem hypothesis - Creating and Validating digitized solutions Hypothesis - Build and experiment and measure an MVP success	Framework and tools	Y		

Thank You

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