





Unlock Personalized Customer Experience with Customer's PIE

Pisut Koomsap

Duangthida Hussadintorn Na Ayutthaya

Asian Institute of Technology



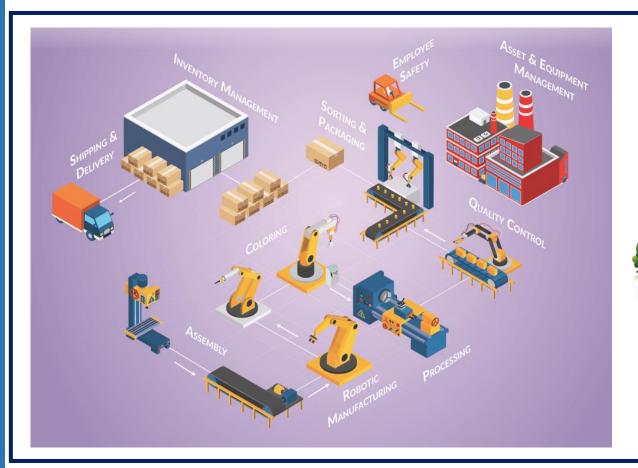
Curriculum Development

of Master's Degree Program in



The Whole Spectrum









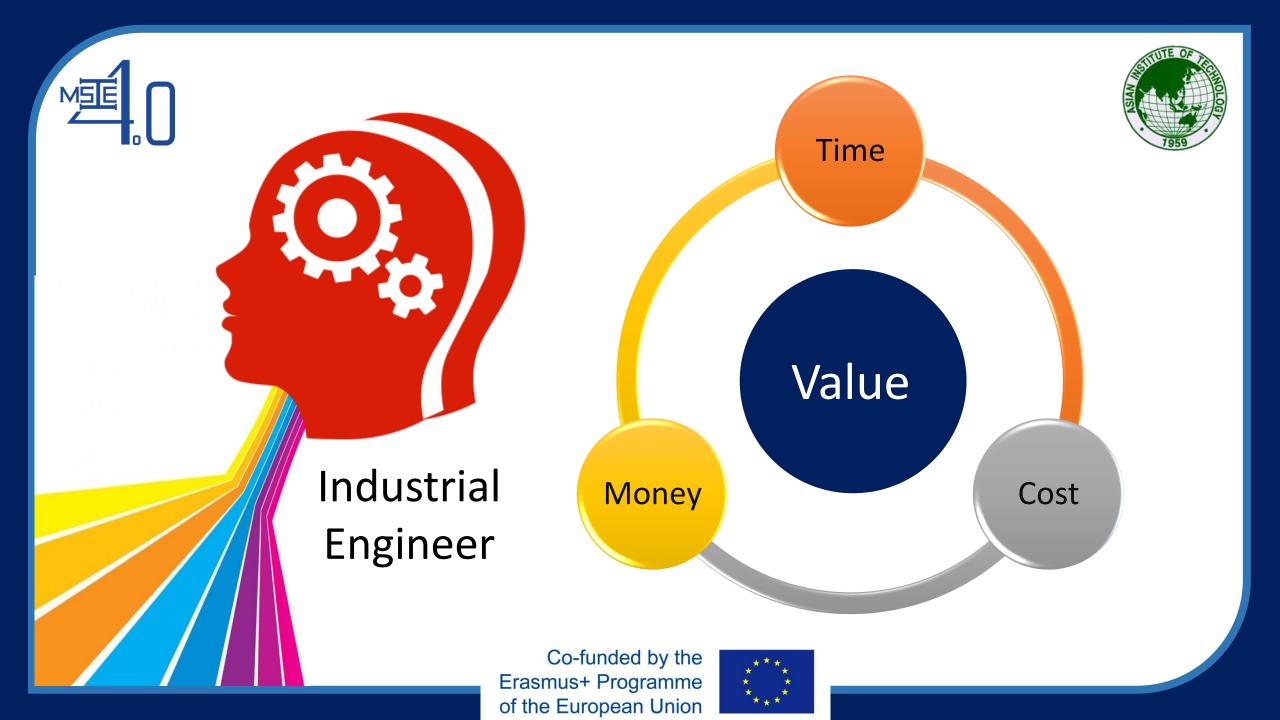




Trandisciplinary Engineering

Transdisciplinary Engineering Design Process outlines a collaborative approach to the engineering design process that includes input from planners, economists, politicians, physicists, biologists, domain experts, and others that represent a wide variety of disciplines.





The Progression of Economic Value: Coffee



Differentiated

Stage 2-5 dollars experience Deliver 50 cents services Make 10-15 cents goods Extract 2-3 cents commodities

Competitive Position

Undifferentiated

Market Pricing

Co-funded by the

Erasmus+ Programme of the European Union

Premium

















Co-funded by the Erasmus+ Programme of the European Union











Thai Signature Dishes with Perfect Presentation























Co-funded by the Erasmus+ Programme of the European Union



https://9to5mac.com/2019/06/18/apple-store-pricing-sign-watch-display-design-changes/

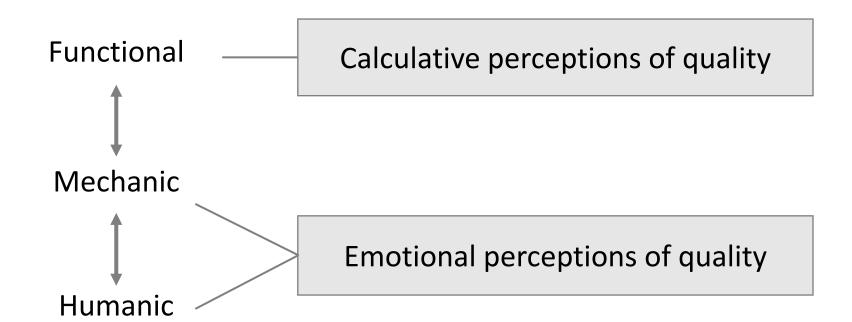


Experience Clues



Clue Categories

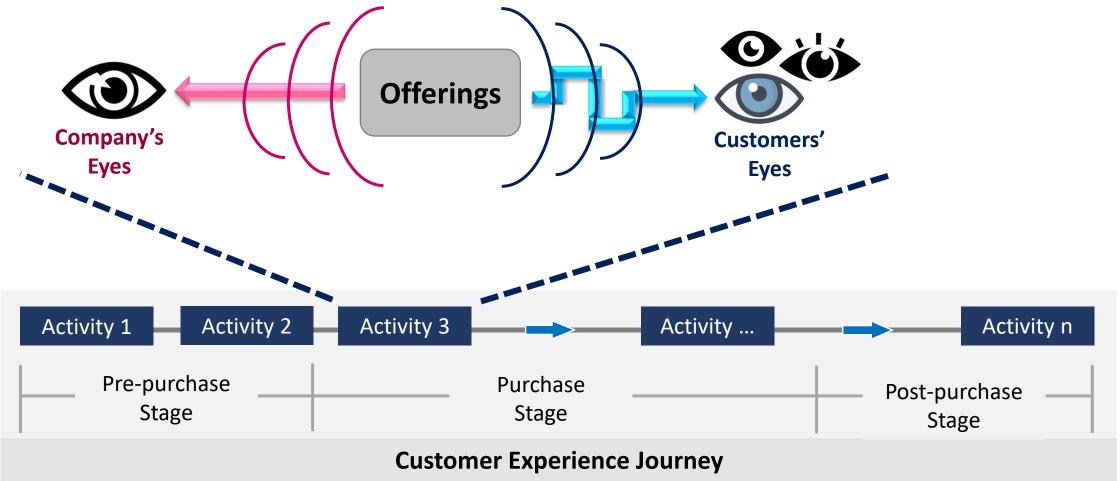
Customer Perceptions





Customer Perceived Value on Customer Experience Journey









Channels of Value Perception



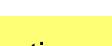
Sensorial











Emotional

Moods, Feelings, Emotions

Cognitive

Customer thinking, Conscious mental process

Pragmatic

Practical acts, Usability

Lifestyle

Personal belief

Relational

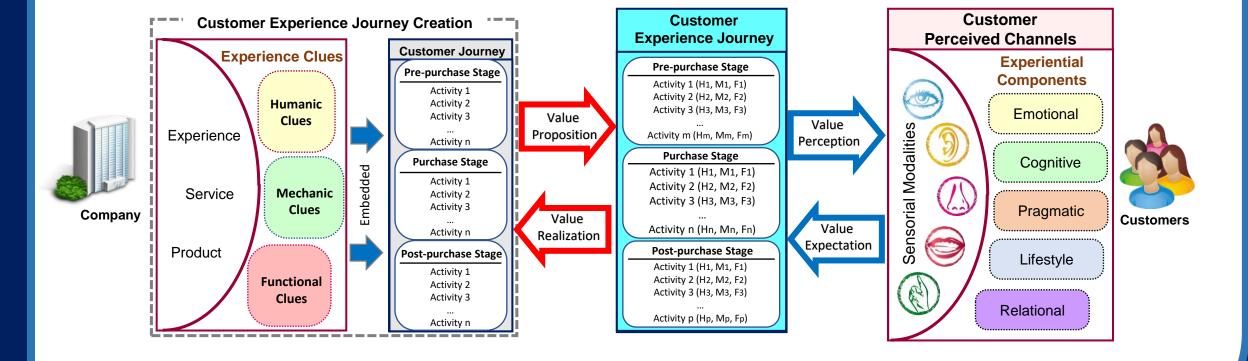
Integrating with social contexts





Customer Perceived Value Framework on Customer Journey: Experience Clues-Driven Design









Case Study on Mobile Broadband Service







List of Activity and Customer Behavior for the MB Planned Journey

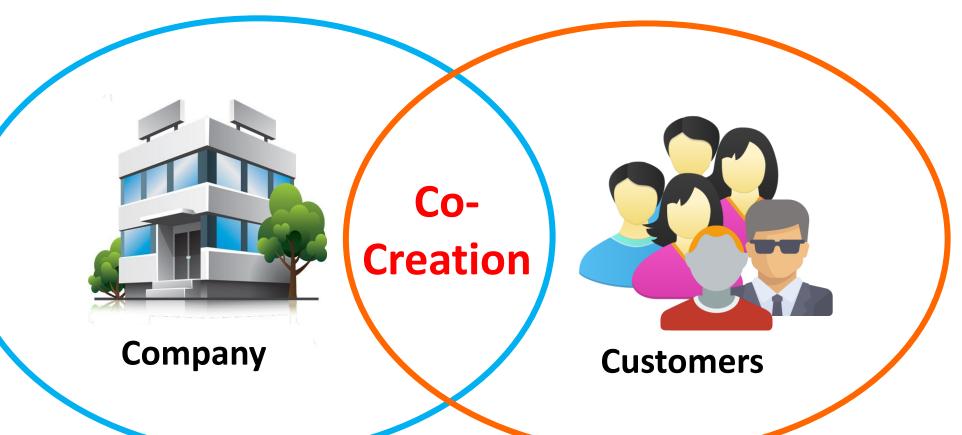
No.	Activity	Behavior			
	(Halvorsrud et al., 2016)	(Lemon and Verhoef, 2016)			
A_1	Customer orders MB through the call center	choice, ordering, payment			
A_2	Receives e-mail confirming the purchase				
A_3	Receives e-mail confirming dispatch of hardware				
A_4	Receives welcome letter with information				
A_5	Receives letter containing the SIM card	usage, encouragement,			
A_6	Receives letter containing the PIN code	service requests			
A_7	Receives package containing modem and installation guide				
A_8	Receives invoice for hardware				
A_9	Customer installs the MB system				





Where is Value Created?









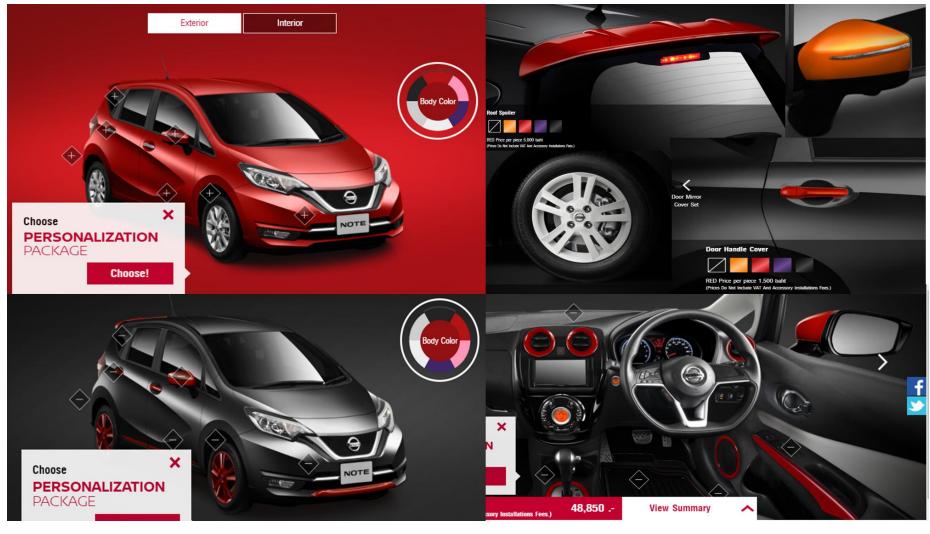








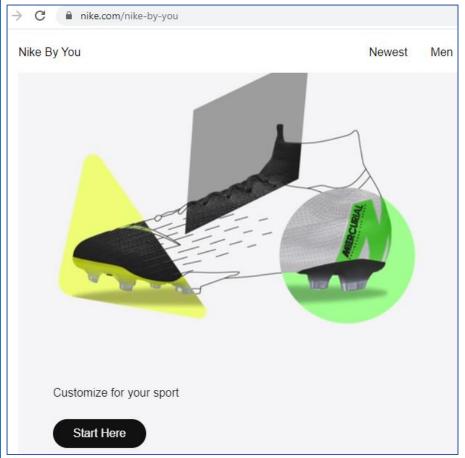
















Co-funded by the Erasmus+ Programme of the European Union











Customers' expectation

Co-create products and services with customer

Suit their needs to what available

Focus

Customer and experience centric

Production and company centric

Customers' role

Active

Passive

Innovation

Co-innovate and co-design with customer

Led by the company





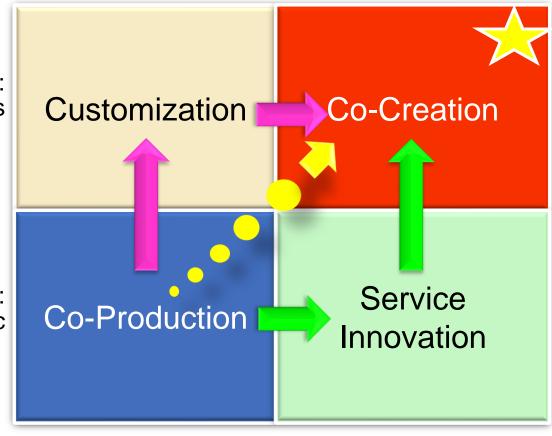
Co-Production to Co-Creation matrix



Customer-Company: Continuous

Driver

Company-Customer: Sporadic



Production Process

Consumption/Usage Process

Completion of Value



Co-Production to Co-Creation matrix

All we do together with you



Thesis

You can give your ideas



Private

Customer-Company:
Continuous

Driver

Company-Customer:
Sporadic

Co-Production

Service
Innovation

Production Process

Consumption/Usage
Process

Completion of Value

We design for you



Classroom

Co-funded by the Erasmus+ Programme of the European Union



Online

We prepare for you



4 Realms of Experience

:Wine tourist activities

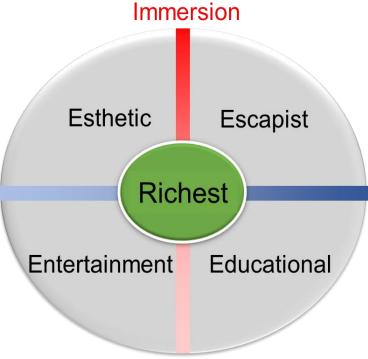




Passive participation



Pine and Gilmore, 1998



Absorption

Co-funded by the Erasmus+ Programme of the European Union

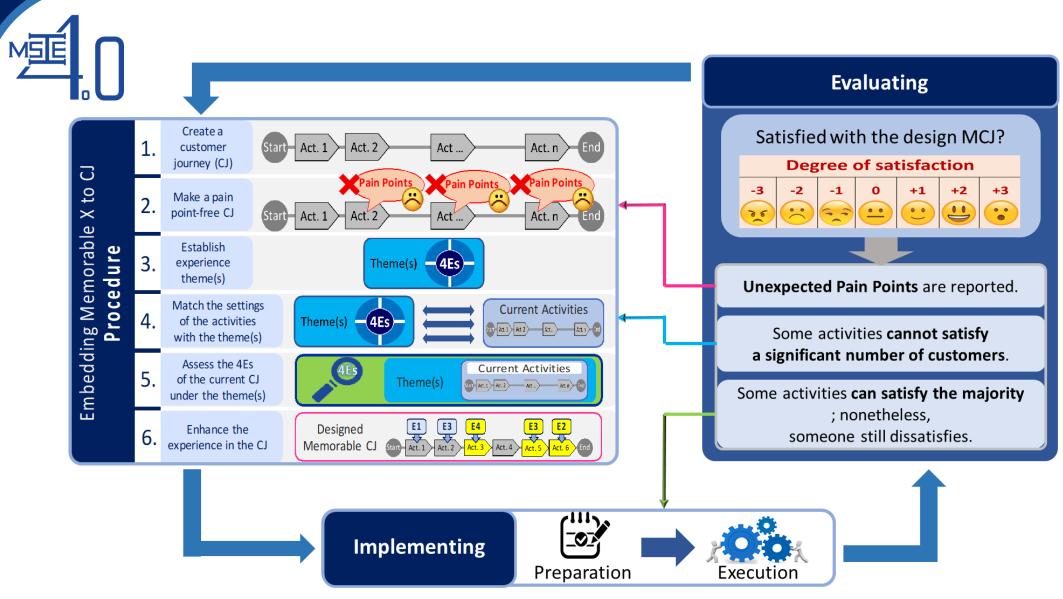




Active participation



Quadri-Felitti et al., 2012



Hussadintorn Na Ayutthaya, D. & Koomsap, P., 2018





Case Study: The MSIE4.0 Kick-off Meeting



Curriculum Development of Master's Degree Program in Industrial Engineering for Thailand Sustainable Smart Industry

Kick-off Meeting: February 12th -16th, 2018

Venues: Asian Institute of Technology & Prince of Songkla University, Thailand







Co-funded by the Erasmus+ Programme of the European Union





Memorable Customer Experience Journey Map for MISE4.0 Kick-Off Meeting Program

Theme: Industrial Engineering for Thailand 4.0, Authentic Thai Experiences											
	Types of X	ble	ple	pple		>	>	s,	Unexpected Pain Point	×	
Key Activity	E1: Entertainment E2: Educational E3: Esthetic E4: Escapist	المال الم	Un -Z accepta	T- Accepte	O Neutral	+1 Ordina	+ Extra ordinar	+ Priceles		Memorable	
C Meeting	E1, E2					<u> </u>	•				
Lab Tour	E3							→		\star	
	Key Activity C Meeting E Lab Tour	Key Activity E1: E2: Educational E3: Esthetic E4: Escapist	Key Activity E1: E2: Educational E3: Esthetic E4: Escapist E7:	Key Activity E1: E2: Educational E1: E3: Esthetic E3: Esthetic E3: E4: E3: E4: E3: E4: E3: E4: E5: E4: E5: E4: E5: E4: E5: E4: E5: E5: E4: E5: E5: E5: E5: E5: E5: E5: E5: E5: E5	Key Activity E1: E2: Educational E2: E3: E3: E3: E4: E5: C Meeting E1 E2: E2: E4: E5: E4: E5: E5: E5: E5: E5: E5: E5: E5: E5: E5	Key Activity E1: E2: Educationa E4: E2: E2: E4: E4: E2: E4: E4: E4: E4: E4: E4: E4: E4: E4: E4	Key Activity E1: E3: E3 thetic capital and a company of the compa	Key Activity E1. E2 C Meeting E1, E2 E1, E2 E2 C Meeting E1, E2 E2 C Meeting E3 C Meeting E4 C Meeting E6 C Meeting E7 C Meeting E7 C Meeting E8 C Meeting E8 C Meeting E9 C Meeting E1, E2	Key Activity C Meeting E1, E2 E1, E2	Key Activity C Meeting E1, E2 E1, E2	





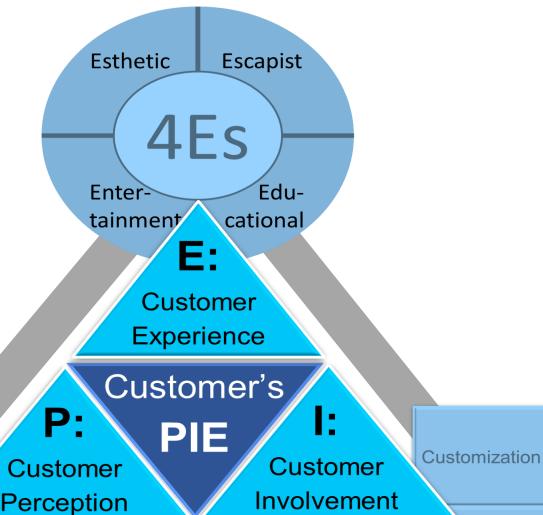


							_			
	_	18. Visiting Historic City of Ayutthaya	E1, E3				\vdash	•		*
		19. Dinner@De Riva Ayothaya	E1			\vdash		•		
		Overall Experience	E1, E2, E3)				









E+L+C+P C+P Commitment Customer E+L **Interest of Involvement**

Perception

Co-Production

Service Innovation

Co-Creation

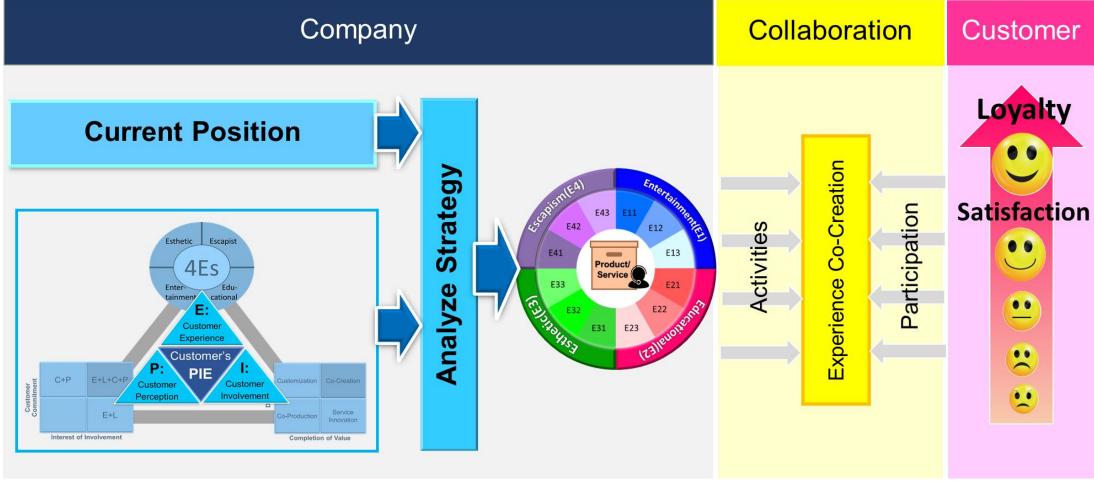
Co-funded by the Erasmus+ Programme of the European Union

Completion of Value



Customer's PIE Approach









Establish a digital record



Customer Experience

Customer's

P: PIE

Customer Perception

Customer Involvement



Assess, Analysis and Visualize

Generate new experience offerings









TOYOTA C-HR

"Fun To Drive"









Pisut Koomsap (AIT),

Duangthida Hussadintorn Na Ayutthaya (AIT),

Tomasz Nitkiewicz (CUT),

Apiwat Muttamara (TU),

Agnieszka Ociepa-Kubicka (CUT)

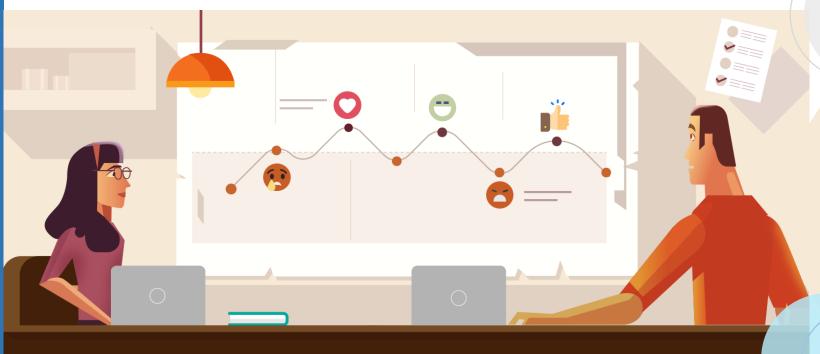




Module I



Pain Point-Free Customer Experience Journey



- Introduction to Experience Economy
- Customer Journey
- Experience Clues
- Customer Oriented-Failure
 Prevention



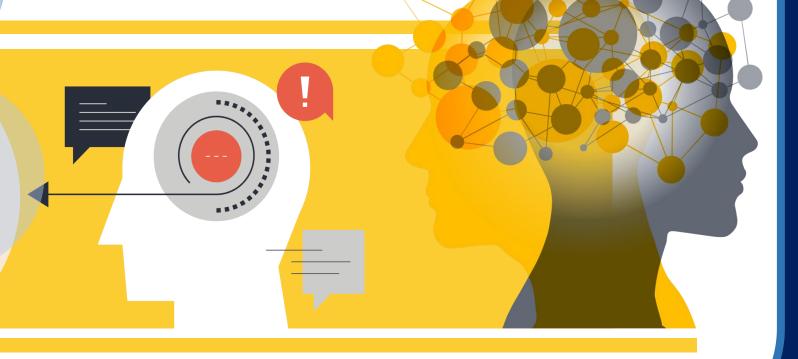


Module II



Customer Experience Value Creation

- Understanding Customers
- Customer Perceived Value Model
- Product-Service Systems
- Co-Creation







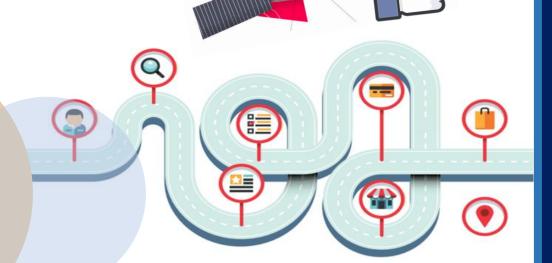


Module III

Memorable Customer Experience Design



- Customer Experience Journey Design
- Embedding Memorable Experience into Customer Experience Journey
- Customer Experience Co-Creation
- Industry 4.0 Technologies/Applications for the Creation of Customer Experience







Co-funded by the Erasmus+ Programme of the European Union



Thank You



Curriculum Development

of Master's Degree Program in

Industrial Engineering for Thailand Sustainable Smart Industry