

COURSE OVERVIEW SS0274
Mastering Innovation and Design Thinking
(E-Learning Module)

Course Title

Mastering Innovation and Design Thinking

Course Reference

SS0274

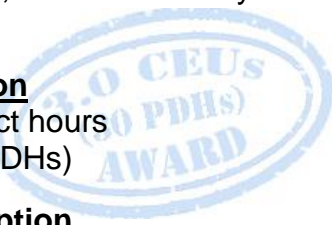
Course Format & Compatibility

SCORM 1.2. Compatible with IE11, MS-Edge, Google Chrome, Windows, Linux, Unix, Android, IOS, iPadOS, macOS, iPhone, iPad & HarmonyOS (Huawei)



Course Duration

30 online contact hours
 (3.0 CEUs/30 PDHs)



Course Description



This E-Learning course is designed to provide participants with a detailed and up-to-date overview of mastering innovation and design thinking. It covers the whole brain thinking and personality; the creativity and innovation; the 8 vital lessons about innovation including the four levels human brain; the logical thinking, following rules, being practical and avoiding ambiguity; the parallel thinking, evolution of ideas, innovation and six thinking hats method; the western thinking, vertical thinking, the six-step decision making process and lateral thinking; and the problem analysis using lateral thinking, self-imposed boundaries and techniques to force a search for alternatives.



During this highly interactive course, participants will learn the chance model, techniques for evaluating ideas and the laws and principles of perception; the seven-intelligences and learning; the intellectual quotient versus emotional intelligence; the effects and factors that influence emotional intelligence; the emotional intelligence and the steps in creating a mind map; the tips for improving mind maps; the metacognitive mapping, mindset and paradigms, paradigm and strategy; and the various types of thinking including the strategic conversation model.



Course Objectives

After completing the course, the employee will:-

- Apply and gain a good working knowledge on mastering innovation and design thinking
- Understand and apply a 10-step design process
- Distinguish between incremental innovation and radical innovation when creating new solutions
- Research and understand the complex network of stakeholders involved in any project
- Rapidly create and refine a vision for any product or service using a 3-phase approach to align technical and non-technical audiences
- Understand and use the psychology behind human-machine interface
- Effectively understand if your end-users will be delighted by your product or service
- Have practiced making suggestions for innovation in the K-group based on (desktop) research
- Discuss whole brain thinking and personality as well as apply creativity and innovation and differentiate tradition versus innovation
- Identify the 8 vital lessons about innovation including the four levels human brain
- Apply logical thinking, follow rules, be practical and avoid ambiguity
- Carryout parallel thinking, evolution of ideas, innovation and six thinking hats method
- Employ western thinking, vertical thinking, the six-step decision making process and lateral thinking
- Apply problem analysis using lateral thinking, self-imposed boundaries and techniques to force a search for alternatives
- Use the chance model, generate ideas by chance, apply techniques for evaluating ideas and discuss the laws and principles of perception
- Imply the seven-intelligences and learning and differentiate intellectual quotient versus emotional intelligence
- Identify the effects and the factors that influence emotional intelligence
- Improve and build emotional intelligence as well as apply the steps in creating a mind map and the tips for improving mind maps
- Illustrate metacognitive mapping, mindset and paradigms, paradigm and strategy
- Recognize the various types of thinking including the strategic conversation model

Who Should Attend


This course provides an overview of all significant aspects and considerations of mastering innovation and design thinking for those who are involved in management at whatever level of complexity in both technical and non-technical functions. It is also of special benefit to those who need to understand the creative thinking and innovation processes in an application mode. The course will prove essential to those in specialist functions at the strategic, financial, operational and advisory levels.

Course Certificate(s)

Internationally recognized certificates will be issued to all participants of the course.

Certificate Accreditations


Certificates are accredited by the following international accreditation organizations: -

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USA International Association for Continuing Education and Training (IACET)

Haward Technology is an Authorized Training Provider by the International Association for Continuing Education and Training (IACET), 2201 Cooperative Way, Suite 600, Herndon, VA 20171, USA. In obtaining this authority, Haward Technology has demonstrated that it complies with the **ANSI/IACET 1-2013 Standard** which is widely recognized as the standard of good practice internationally. As a result of our Authorized Provider membership status, Haward Technology is authorized to offer IACET CEUs for its programs that qualify under the **ANSI/IACET 1-2013 Standard**.

Haward Technology's courses meet the professional certification and continuing education requirements for participants seeking **Continuing Education Units (CEUs)** in accordance with the rules & regulations of the International Association for Continuing Education & Training (IACET). IACET is an international authority that evaluates programs according to strict, research-based criteria and guidelines. The CEU is an internationally accepted uniform unit of measurement in qualified courses of continuing education.

Haward Technology Middle East will award **3.0 CEUs** (Continuing Education Units) or **30 PDHs** (Professional Development Hours) for participants who completed the total tuition hours of this program. One CEU is equivalent to ten Professional Development Hours (PDHs) or ten contact hours of the participation in and completion of Haward Technology programs. A permanent record of a participant's involvement and awarding of CEU will be maintained by Haward Technology. Haward Technology will provide a copy of the participant's CEU and PDH Transcript of Records upon request.

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British Accreditation Council (BAC)

Haward Technology is accredited by the **British Accreditation Council for Independent Further and Higher Education** as an **International Centre**. BAC is the British accrediting body responsible for setting standards within independent further and higher education sector in the UK and overseas. As a BAC-accredited international centre, Haward Technology meets all of the international higher education criteria and standards set by BAC.

Training Methodology

This Trainee-centered course includes the following training methodologies:-

- Talking presentation Slides (ppt with audio)
- Simulation & Animation
- Exercises
- Videos
- Case Studies
- Gamification (learning through games)
- Quizzes, Pre-test & Post-test

Every section/module of the course ends up with a Quiz which must be passed by the trainee in order to move to the next section/module. A Post-test at the end of the course must be passed in order to get the online accredited certificate.

Course Fee

As per proposal

Course Contents

- Personality
- What is Personality?
- What determines Personality?
- Heredity
- Environment
- Situation
- Whole Brain Thinking and Personality
- Benefits
- Exercise
- Creativity and Innovation
- Creativity
- Definitions
- Creativity
- Innovate
- Tradition vs Innovation
- 8 Vital Lessons about Innovation
- The Human Brain
- Right-Brain vs Left-Brain Thinking





- The Human Brain – 4 Levels
- Complacency
- Complacency...stunts Innovation
- Complacency...change is not complacent
- Suppressing our Creative Abilities??
- Trying to find the “right” answer
- Logical Thinking
- Following Rules
- Being Practical
- Play in not Work
- That’s not my Job
- Being a “serious” person
- Avoiding ambiguity
- Being wrong is bad
- I'm not Creative
- Parallel Thinking
- The Need to Change Thinking Behavior
- Evolution of ideas
- Innovation is like evolution
- Traditional Argument
- Six Thinking Hats Method
- The White Hat (Information)
- The Red Hat (Feelings)
- The Black Hat (Logical Negative)
- The Yellow Hat (Logical Positive)
- The Green Hat (Creative Thinking)
- The Blue Hat (Control of Thinking)
- Suggested “Hat Sequence”
- Benefits
- Western Thinking
- Vertical Thinking
- The Six-Step Decision Making Process
- Limitations of Vertical Thinking





- Use of Vertical Thinking
- Exercise: Problem Solving
- The Girl and the Pebble
- Lateral Thinking
- Lateral Thinking vs Vertical Thinking
- Improving a Process
- Domination of Ideas
- Overcoming Dominating Ideas
- Principles of Lateral Thinking
- 1st Principle of Lateral Thinking
- Principle of Thinking
- Describing the Situation
- 2nd Principle of Lateral Thinking – Search for Different Ways of Looking at things
- Problem Analysis using Lateral Thinking
- Self-Imposed Boundaries
- Problem Solving
- Techniques to Force a Search for Alternatives
- 3rd Principle of Lateral Thinking – Relaxation of Vertical Thinking
- 4th Principle of Lateral Thinking – The Use of Chance
- Using the Chance Model
- Generating Ideas by Chance
- Techniques for Evaluating Ideas
- Perception – Definitions
- Laws & Principles of Perception
- The Concept of Meaning
- Analysis vs Creativity
- Intelligence
- Multiple Human Intelligences
- Gardner’s Seven-Intelligences
- The Seven Intelligences
- Implications of the Seven-Intelligences and Learning
- Intellectual Quotient (IQ) vs Emotional Intelligence (EQ/EI)





- Introduction
- Normal Distribution Curve (IQ Bell Curve)
- Interpretation of IQ Scores
- Emotional Intelligence
- Effects of Emotional Intelligence (EQ/EI)
- What is Emotional Intelligence (EQ or EI)?
- Factors that influence Emotional Intelligence (EQ or EI)
- Attributes of EQ
- Why is Emotional Intelligence Important in the Workplace?
- Emotional Intelligence (EQ or EI) and the Iceberg concept
- Is Your EQ Set in Stone?
- EQ Self-Assessment
- How to improve your EQ
- Emotional Intelligence – EQ
- Why Do We Need Emotional Intelligence?
- Key Ingredients for Understanding
- Building Emotional Intelligence
- Wisdom
- How We Learn
- Building Memory
- Good Memory vs Bad Memory
- Memory
- Purpose of Sensory Memory
- Purpose of Short-Term Memory
- Short Term Memory Concepts
- The Magical Number
- The Purpose of Long-Term Memory
- Memory Tools and Techniques
- Mnemonics
- Using Your Whole Mind to Remember
- The 3 “R’s” & SQ3R
- Mind Maps
- Uses of Mind Maps



- Elements of a Mind Map
- Steps in Creating a Mind Map
- Tips for Improving Mind Maps
- The Metacognitive Mapping
- Mindset and Paradigms
- The Paradigm & Strategy
- Types of Thinking
- Strategic Conversation Model