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Technology Convergence

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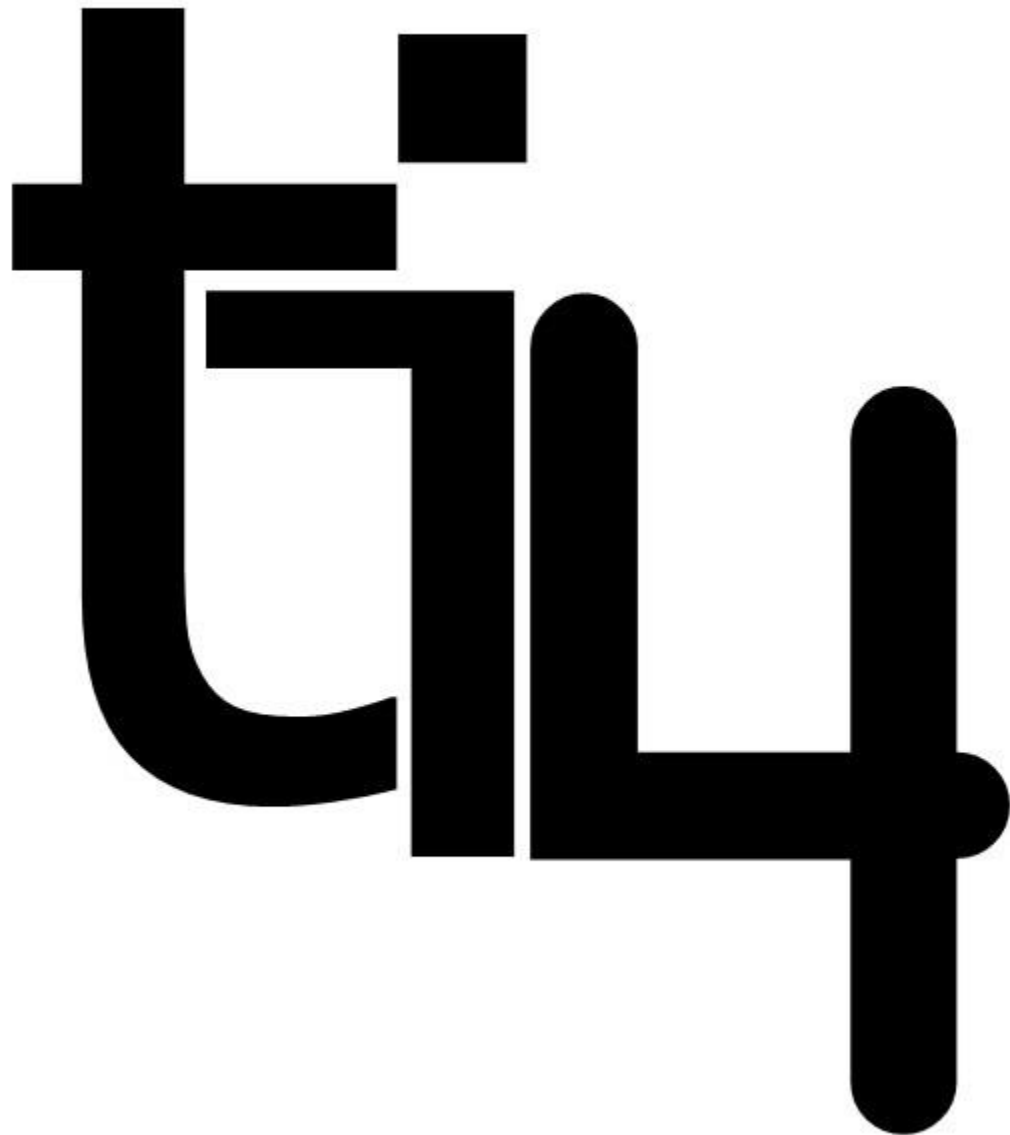
Academy

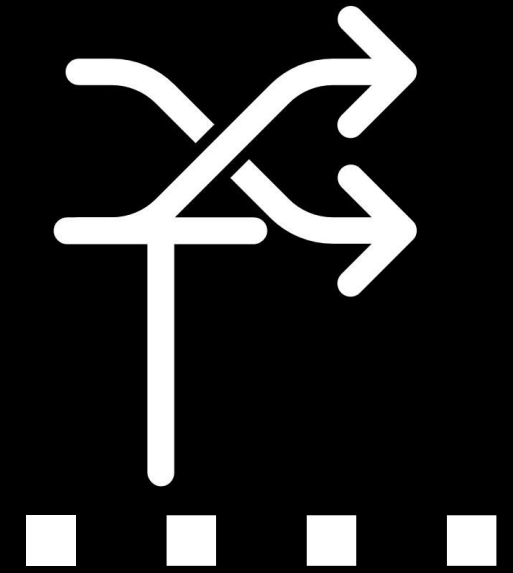# Academy ti4

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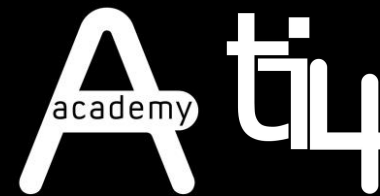
THE INDUSTRY FOUR

www.theindustryfour.org

- Technology Convergence.

- About the Course.

- Expected Learning Outcome.

- Suggested Target Audience.

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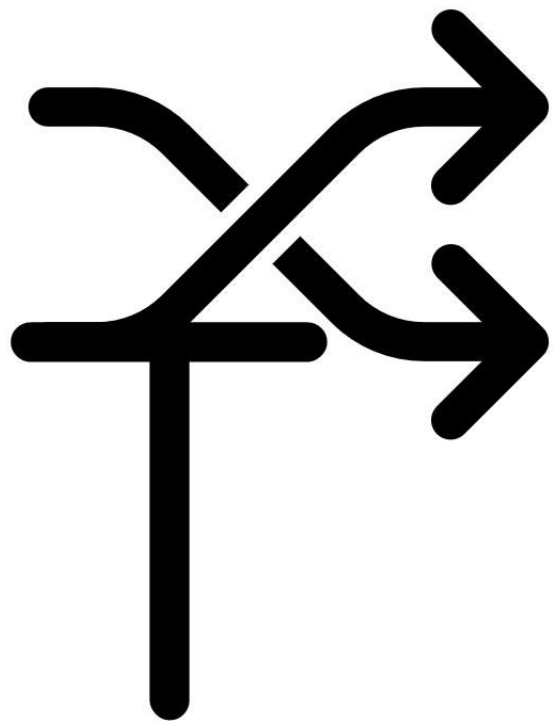
- Register & Enroll.

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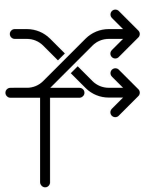
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www.ti4.org

Technology Convergence

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Technology Convergence is the tendency for technologies that were originally unrelated to become more tightly integrated and even unified as they develop and advance.

It is common for technologies that are viewed as quite different to develop similar features with time that blur differences.
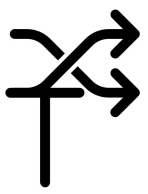
Technology Convergence

On the crossroad of Capabilities.

▪ A convergence is when two or more distinct things come together. Technology convergence is when different forms of technologies cohabitate in a single device, sharing resources and interacting, creating new technology and convenience. Technological convergence occurs when two or more different technologies begin to perform the same function. Technological convergence is a term that describes bringing previously unrelated technologies together, often in a single device. Technological Convergence or Convergence of Technology is when two or more different entities, originally unrelated, come together in a single system to save space, time, and power.

▪ From a consumer perspective, technological convergence is often synonymous with innovation. Technologies rarely converge in their current form. Improvements are often introduced as a part of the convergence. In business, we all have customers. Customers who are busy and want information, service, and results quicker than ever before. Technology convergence allows us to service our customers, easier than ever before, and whilst doing that we can significantly reduce our overheads. An example of technology convergence is smartphones, which combine the functionality of a telephone, a camera, a music player, and a digital personal assistant into one device.
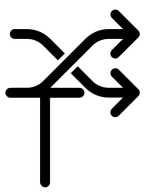
About the Course

Course Overview & Objective

▮ There are many reasons why technological convergence is important. One reason is that it allows different devices to share information and work together more easily. For example, if you have a smartphone and a laptop, you can use technological convergence to share files between the two devices wirelessly. Another reason why technological convergence is important is that it can help to improve the quality of life for people who have disabilities. For example, if a person is deaf, they can use a device that converts sound into text so that they can read what is being said. Finally, technological convergence is important because it can help to create new and innovative products and services.

▮ Technology convergence pushes alliances between once-isolated industries such as broadcasting, computing, and electronics. Technological convergence, also known as digital convergence, is the tendency for technologies that were originally unrelated to become more tightly integrated and even unified as they develop and advance. Digital convergence is when you can have the same multimedia content available to view on different types of devices because it is digitized. It is common for technologies that are viewed as quite different to develop similar features with time that blur differences. Converging technologies represent previously distinct fields that are in some way moving towards stronger interconnection and similar goals.
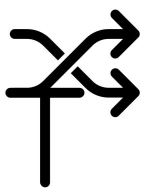
What will you Learn?

After the end of this course, you will be able to define:

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- What is Technology Convergence in industries?

- What are the purpose and goals of a technology stream?

- What are the value propositions of a technology stream?

- How different technologies can achieve a common objective?

- What is the progression path of a technology convergence?

- How to define the evolution of the technology ecosystem?

- What is the usability and viability of a technology stream?

- What are the factors enabling technology convergence?

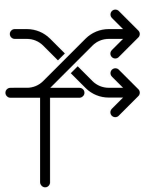- What are the compatibility and interoperability of a technology?

Who should do this course?

This course is for:

■ ■ ■ ■

- Industry Leaders & CXOs

- Emerging Business Executives

- Project & Program Managers

- Innovation and Change Agents

- Directors & Business Unit Heads

- Operational Excellence Managers

- Transformation Program Managers

- Entrepreneurs & Business Owners

- Engineering and Management Students

Key Training Attributes

Here are the KTAs - Key Training Attributes, which will help you to enroll in this training program.

Level of Course

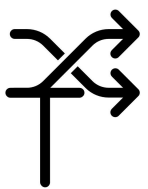This course is designed for Beginner's Level.

Course Duration

This course will be completed in 4 Hours and distributed in 2 Days.

Mode of Delivery

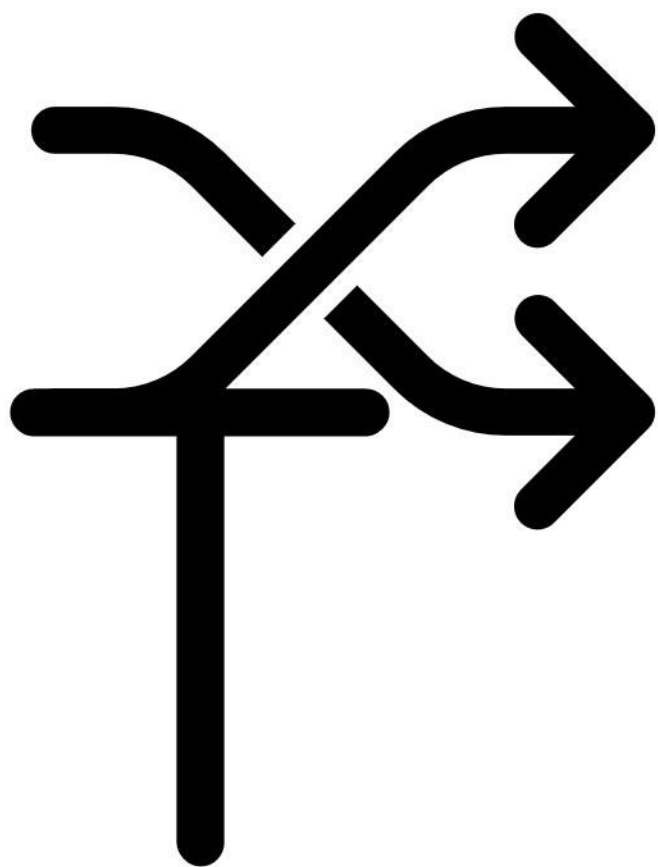This course will be delivered via online Live sessions.

Course Curriculum

The Curriculum of this course is based on TIFFAA & ti4BOK.

Technology Convergence

Salient features of the Course
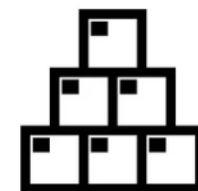
World Class Faculty

Holistic Learning Experience

Cognitive Learning Approach

Explain with Examples

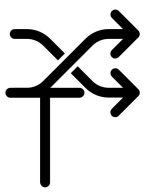Modular Course Design

Blended Course Content

Research based Curriculum

Live Interactive Class

Certificate of Achievement

Academy

Course Curriculum

TECHNOLOGY CONVERGENCE

The Course Curriculum of this Training Product consists of 4 KTMs.

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▌ Purpose / Goal of a Technology Stream

Explains the business purpose of technology streams.

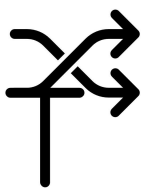### ▌ Progression Path for a Technology Convergence

Explains the evolution of the technology ecosystem.

▌ Evolution of Use Case for a Technology Stream

Explains the factors influencing a business use case.

▌ Factors enabling the Technology Convergence

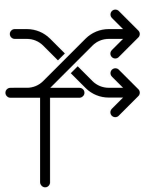Explains the spread and diffusion of technology streams.

Key Training Module - 1
Purpose / Goal of a Technology Stream

- Identify the Business Purpose of Technology Stream

- Identify the Value Propositions of Business Stream

- Identify the common infrastructure, knowledge, process, components & tools

- Bringing together different technologies to realize the common objective
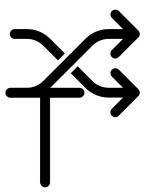
Key Training Module - 2

Progression Path for a Technology Convergence

- New Technology Research and Development Programs, Trials, and Observability

- Evolution of NEIS and Blurring boundaries between Industries

- Convergence in terms of Technology, Services, Access, and Application

- Evolution of Technology Ecosystem of Devices, Application Platforms, and APIs

Key Training Module - 3

Evolution of Use Case for a Technology Stream

■ Identify the Use Case Application served by a Specific Technology Stream

■ Identify the Use Case Application served by Multiple Technology Streams

■ Usability, Feasibility, Desirability, and Viability of a Use Case

■ Use Case Evolution in terms of Complexity, Urgency, RoI, and Value Proposition

Key Training Module - 4

Factors enabling the Technology Convergence

- Evolution of Diversified methods to Produce Products and Deliver Services

- Compatibility, Interoperability, and Relative Advantage of Different Technologies

- Discovering New Ways to Use Current Technologies for New Applications

- Diffusion and Spread of Current Technology at Large Scale and Speed

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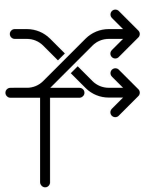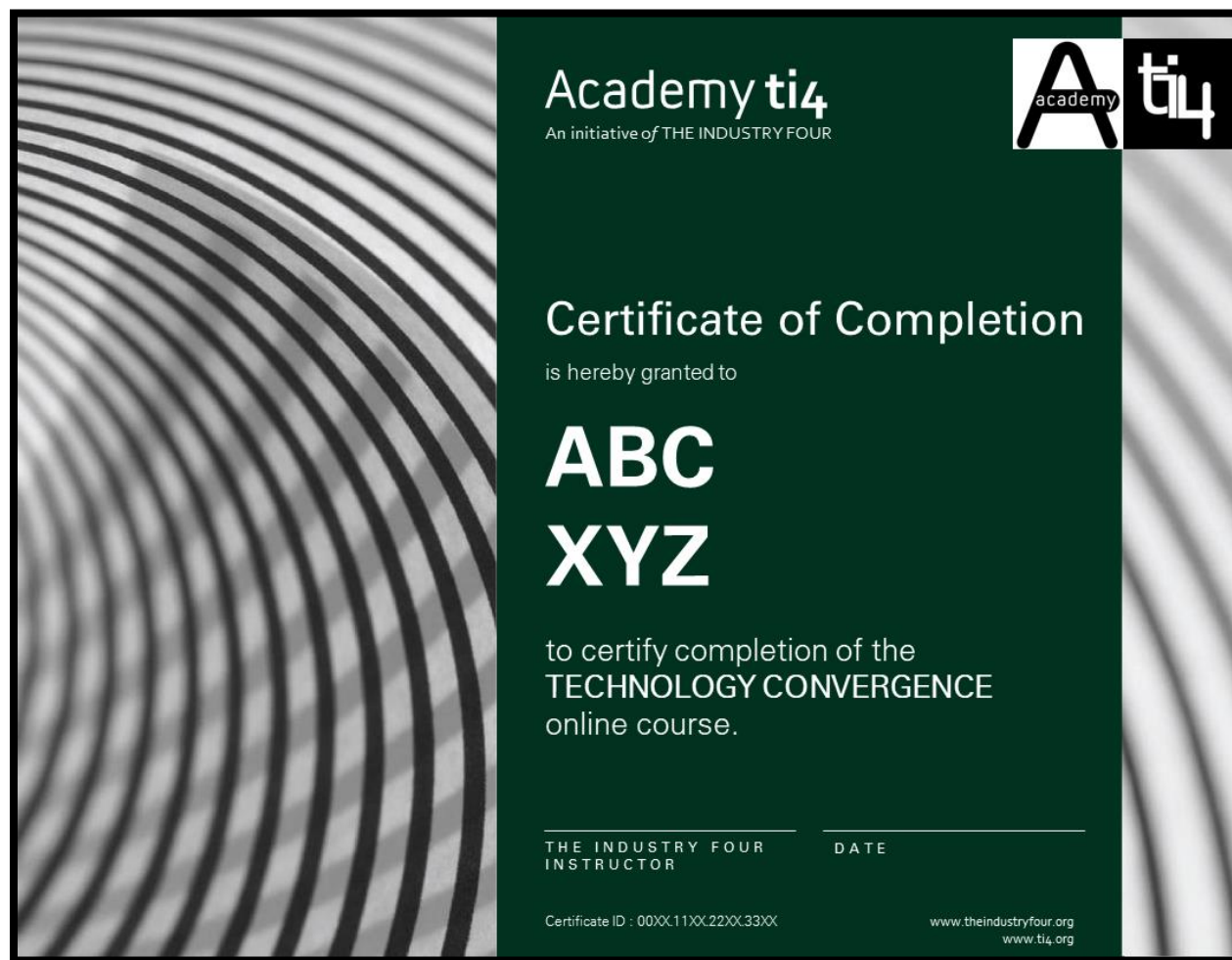# Certificate of Completion

Academy ti4
An initiative *of* THE INDUSTRY FOUR

Certificate of Completion

is hereby granted to

ABC
XYZ

to certify completion of the
TECHNOLOGY CONVERGENCE
online course.

THE INDUSTRY FOUR
INSTRUCTOR

DATE

Certificate ID : 00XX.11XX.22XX.33XX

www.theindustryfour.org
www.ti4.org

Here is the sample Certificate of Course Completion, which you will receive after the completion of all the key training modules. You can also share your certificate in the certifications section of your LinkedIn profile and highlight it in your CV and other documents.
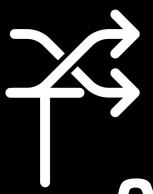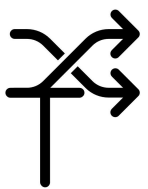
Meet the Instructor

KULDEEP KAUSHIK is the Principal Architect of our prime initiative THE INDUSTRY FOUR and is the instructor for this course.
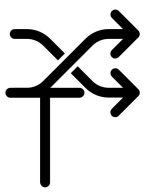
Meet the Instructor

◼ Kuldeep is an engineering management professional having more than 20 years of experience to deliver complex, cross-functional, and multi-domain programs to serve the diversified global markets on varied emerging technologies and industry verticals. He has managed multi-country diversified projects and programs for more than 50 countries of the globe, while working in globally diversified geographies of Australia, the U.S.A, France, the UK, Germany, Malaysia, Armenia, Kenya, Burkina Faso, and India.

◼ Kuldeep believes in the principle of continuous learning and is a qualified technology management professional (A.D. - IEIE, B.E. - ECE, M.B.A. – TM, PGD - PM, and EPG - OM). He is certified in world prominent standard frameworks and carries membership & association (in current and past) with industry-leading corporations and standardization organizations, comprising; UK5G, Microsoft, SAP, AWS, MESA, 3GPP, ETSI, Ericsson, OPC Foundation, IIOT & Digital Twin Consortium, and tmforum.

◼ Kuldeep is possessing cross-functional work stream competencies covering numerous individual contributor and leadership roles. His area of interest & expertise includes but is not limited to; Innovation and Change Management, Standardization Framework, Service Engineering & Design Thinking, Business Model & Operating Model, Industry 4.0 & Factory of Future, Emerging Technology & Technology Convergence, Digital Transformation, Enterprise Architecture, Education & Competence Development, Project & Program Management, Process Engineering & Operational Excellence, Product Development, Strategy Framework and CoE - Center of Excellence Transition & Transformation Programs.

◼ Kuldeep has worked with and served to world's prominent organizations at their Global Head Quarters and key locations including but are not limiting to; Hero Honda Motors (Hero Moto Corp) - India, Electrolux Kelvinator - India, SRF Limited (Business Chemicals Div.) - India, TRAI - Telecom Regulatory and Authority of India, Aricent Technologies (Capgemini Engineering) - India, Ericsson Global Service - India, Nokia Siemens Networks - India, TUV SUD South Asia, Aircom International (TEOCO), Alcatel Lucent (Nokia) - France, Alcatel Lucent (Nokia) - Malaysia, Alcatel Lucent (Nokia) - Armenia, Orange Africa - Burkina Faso, T Mobile HQ - U.S.A., Liberty Global Europe, Vodafone (Unity media) - Germany, Virgin Media O2 - UK, AT&T - U.S.A., Airtel Africa - Kenya, Ericsson HQ - U.S.A., and Vodafone Hutchison (TPG Telecom) - Australia.

Frequently Asked Questions

◢ **What is Mode of Delivery of this Course?**

▌ This course will be conducted live via online classes. These live classes can be attended via the internet using a computer from any location. These online classrooms offer similar levels of interactivity as a regular classroom.
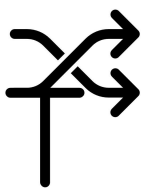
◢ **What is the Coarse Language?**

▌ This course will be delivered in the English Language. However, for a specific requirement from a group of students, Academic institutions, or Enterprise Customers, we have the option to deliver this course in the Hindi Language as well.

◢ **What is the Course Duration?**

▌ This course will be completed in 4 Hours. However, the course duration could be different for a customized course based on specific requirements from a pre-arranged group of students, an academic institution, and an enterprise customer.

◢ **What are the Pre-Requisites to Start the Course?**

▌ Broadband Internet Connection and a Computer System with a basic camera and mic for interactive communication. Further, you should have completed the Course Registration Process along with the specified course fee.

FAQ – Continued . . .
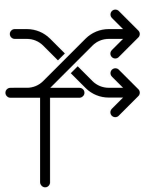
◢ **What is the criteria to enroll in this course?**

▌ In general, there are no specific, required enrollment criteria for our courses and training programs. There is no degree requirement or general education background necessary. All learners should be able to commit to 4 to 6 hours per week during the course and have the technical resources to join our online live course. However, specific courses and training programs may require certain knowledge and skills. Learners should review any suggested prerequisites for courses and training programs they are interested in.

◢ **How your Course Curriculum is unique?**

▌ Our Course Curriculum is a research-based Curriculum and is derived from the Core Components of "TIFFAA - The Industry Four Framework And Architecture" and Knowledge Streams of "ti4BOK - The Industry Four Body of Knowledge". Both TIFFAA and ti4BOK are the key initiatives of our prime initiative "THE INDUSTRY FOUR".

◢ **What are the formats of Blended Course Content?**

▌ This course is designed and developed with the help of diversified course content, which includes Pictorial Presentations, a Collection of Quizzes, Animated elaboration of concepts, the use of examples to explain a concept, mutual communication in the form of feedback and survey, performance measure by pre-test & post-test and Live Interactive sessions. For the On-Premises option, we use the principles of Brainstorming over Broadcasting to deliver our training products.

FAQ – Continued . . .

◢ How do I enroll in this Course?

▌ To enroll yourself in this course, you are required to fill out the registration form, given on the course page. Based on the information, you have provided in the registration form and our upcoming schedule you will be notified of the next process steps.

### ◢ Will I receive any Certificate after the Completion of this Course?

▌ Yes, you will receive a Certificate of Course Completion, after the completion of all the key training modules. You can share your certificate in the certifications section of your LinkedIn profile and highlight it in your CV and other documents. A sample certificate is already provided on this course page.

◢ What is the Course Schedule?

▌ Please complete your Enrollment & Registration Process to get updates on the upcoming course schedule. In addition, keep visiting our website and following us on popular social media platforms to get updates on our upcoming course schedule.

◢ Do you deliver this course at customer's / On Premises ?

▌ Yes, We provide our services at customers' physical premises/locations. For this requirement, please contact us with your detailed training requirement and schedule.
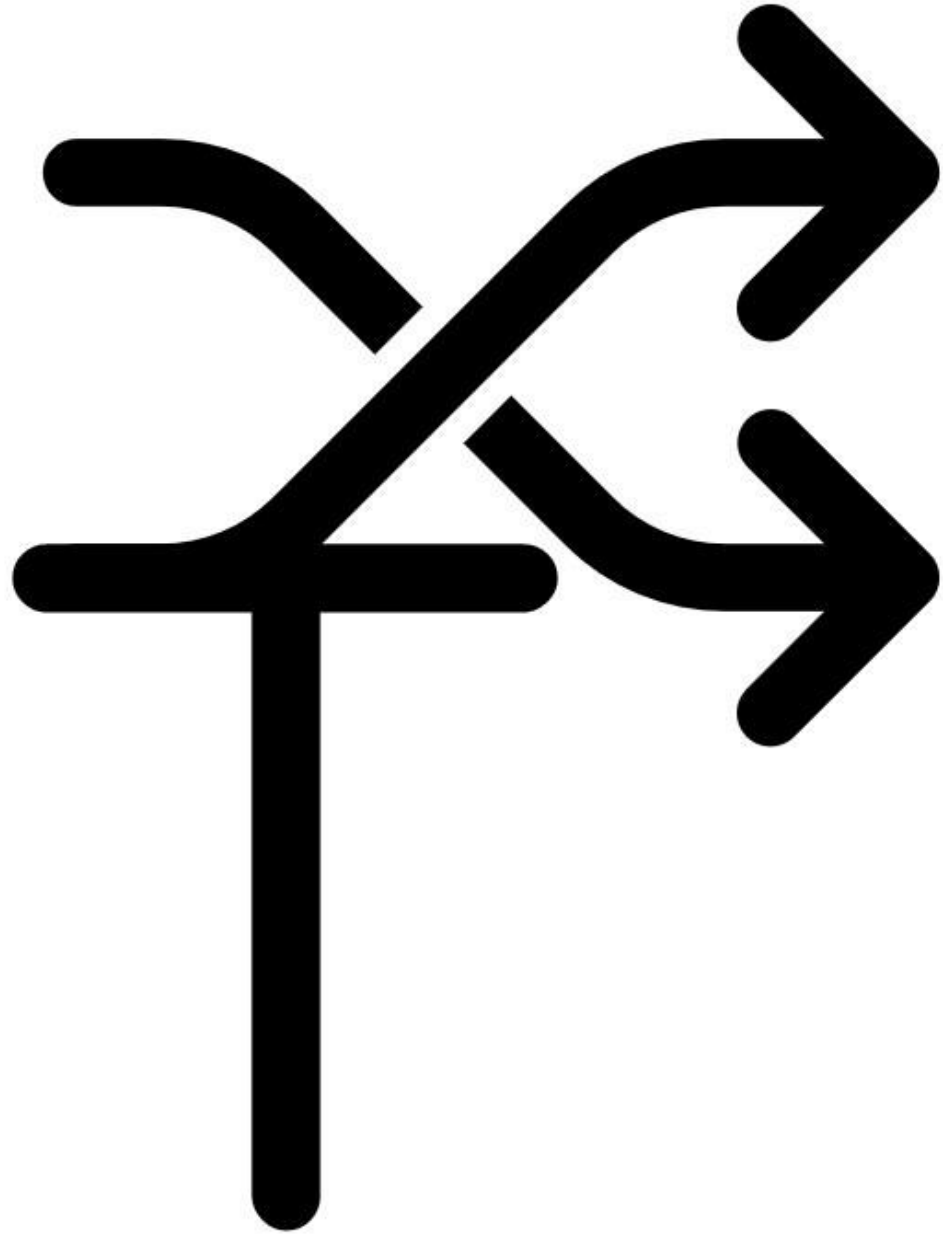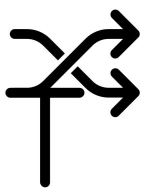
Technology Convergence

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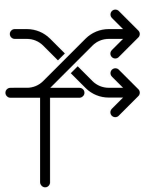
Academy | LEAD

Learn | Evolve | Act | Disrupt

Academy ti4

- Academy ti4 is an initiative of THE INDUSTRY FOUR to serve the Industry & Society in the field of Education and Learning Services. Academy ti4 is one of the emerging providers of professional training, certification, and competence development.

- Academy ti4 helps industries and individuals to drive sustainability and growth to levels of excellence.

- We provide effective global training programs for individuals and institutions to support you in becoming an expert for your industry: from Industry 4.0, Digital Transformation, and Innovation Management to high-level executive leadership programs.

- Our training and certification programs cover the entire scope of fourth to forthcoming industrial revolution aspects corresponding to related frameworks and standards.

- Our online training and certification programs are provided in worldwide key time zones, and as public training programs or as customized in-house solutions.

Teach to Transform

- Academy ti4 is our initiative to serve the industry & society in the field of Education. We are executing this initiative by developing and delivering diversified training programs. These training programs are represented as our learning services with our brand Academy ti4.

- Academy ti4 acts as a catalyst to empower a forward-thinking enterprise. Academy ti4 enables an enterprise to ride the wave of disruptive transformation by navigating accelerated innovations.

- Academy ti4 equip an enterprise to explore new business model, operating model, and maturity model. Academy ti4 acts as a guide for an enterprise to understand the connecting concepts of operational excellence, digital transformation, accelerated innovation, and autonomous operations.

- Academy ti4 cultivates the power of visual thinking to reimagine the paradigm shift of the future. Academy ti4 educates and teaches to transform an individual, industry, and institution.
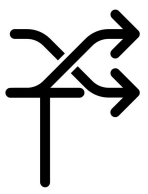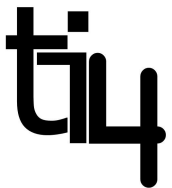
Thank You

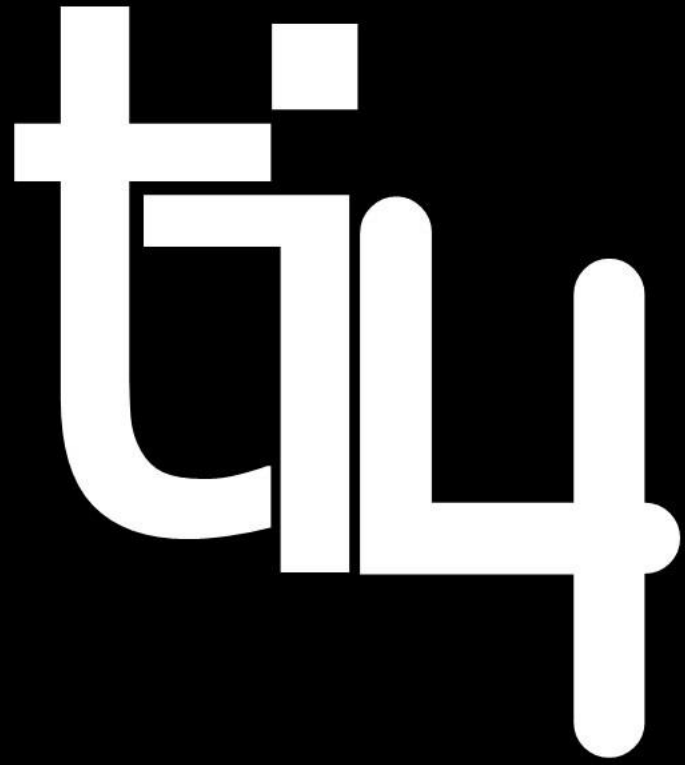For any further information,

Please contact us.

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+91 888 44 80 130

ti4

ti4 *stands* *for* **The Industry Four . . . .**

THE INDUSTRY FOUR

◼ We are THE INDUSTRY FOUR. The Industry Four is an initiative to serve the industry & society. We serve the industry & society in the field of industry 4.0 disruptive transformation. We do this by our learning & consulting services and via our novel initiatives, architecture framework, body of knowledge, research institute and integrated ecosystem.

◼ The Fourth Industrial Revolution (or Industry 4.0) is the ongoing automation of traditional manufacturing and industrial practices, using emerging technology innovations and disruptive transformations. Industry 4.0 is simply the empowerment of Industry 3.0 with Digital Transformation and Technology Convergence. In this sense, it does not remain limited to just a technology evolution. It covers all the aspects of an enterprise including both business and technology. Whereas the fourth revolution is about Profit & Growth. However, the forthcoming revolution is about Sustainability & Support. It is about Supporting the Sustainability of our Planet, People, Peace, and Green Environment.

◼ Industry 4.0 is happening now. However, the vision and mission of THE INDUSTRY FOUR are not limited to the current state of industry 4.0. For us Industry 4.0 is the starting point of our journey, leading towards the factory of the future or the forthcoming industrial revolution. Aligned with our vision, The Industry Four is about fourth to forthcoming industrial revolution. The Industry Four is about Industry now to Industry next. It is about the Industry and Society.

◼ "ti4" stands for "The Industry Four" is the abbreviation derived from our prime initiative THE INDUSTRY FOUR. The Industry Four is the identity and epicenter of our portfolio of initiatives. The Industry Four is operating as the anchoring point of our existing initiatives and as well as for any upcoming initiatives. The Industry Four is an agile initiative that is continuously evolving along with the pulse of fourth to forthcoming industrial revolution. The Industry Four is an integrated platform for the creation of industry thought leadership in the field of the industry 4.0 disruptive transformation, emerging technology, accelerated innovation, technology convergence and future industry trends.

ti4

.THE INDUSTRY FOUR

fourth to forthcoming . . . .