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Discover the power of e-learning!

Cutting Edge software based training courses that help you learn new skills online, get certified and boost your career

Abhisam Software has been set up by a talented group of engineers worldwide, to impart quality skills to engineers and technical professionals all over the world.

Abhisam's Software based training courses (called XPRTUs-they make an expert out of you!) have been designed & vetted by subject matter experts having decades of relevant domain experience. They are designed to remove the pain and hassle of learning new, cutting edge technical subjects. In fact they make learning enjoyable and profitable.

Let's face the facts.

In today's Knowledge and Skills based economy, you need to continuously learn and upgrade yourself, in order to stay relevant in your job and capture new opportunities for growth. You also need to get a Certificate that shows off your newly acquired skills to your bosses, co-workers and clients/customers.

KEY BENEFITS

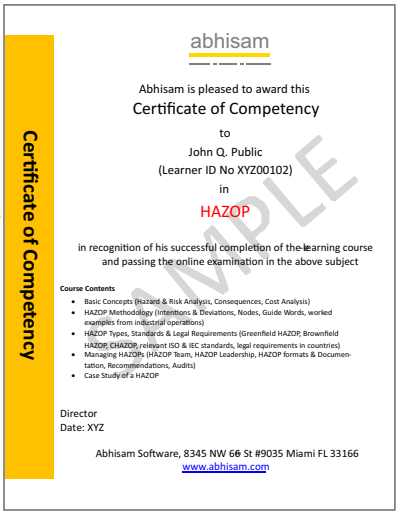
- Learn anywhere and anytime, at your own pace
- Learn fast and in an easy way
- Easy way for knowledgeable people to become experts
- Easy way for beginners to acquire advanced skills
- Get NOTICED by becoming certified. Boost your career.
- Get your queries answered by our experts

How do you achieve all this without breaking the bank or spending endless hours of your time?

Simple- you take an Abhisam XPRTU (Software based training course) and learn these skills, then take the associated Abhisam online exam and get certified (on passing). Get your Certificate and Electronic Badge, that you can easily display online.

I have worked in the International Oil and Gas Industry for more than 30 years. I have used and recommend Abhisam products to all engineers & technicians

John Longden,
Petroleum Training Institute, UK


Certificate of Competency

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Abhisam is pleased to award this
Certificate of Competency
to
John Q. Public
(Learner ID No XYZ00102)
in
HAZOP

in recognition of his successful completion of the e-learning course and passing the online examination in the above subject

Course Contents
- Basic Concepts (Hazard & Risk Analysis, Consequences, Cost Analysis)
- HAZOP Methodology (Intentions & Deviations, Nodes, Guide Words, worked examples from industrial operations)
- HAZOP Types, Standards & Legal Requirements (Greenfield HAZOP, Brownfield HAZOP, CHAZOP, relevant ISO & IEC standards, legal requirements in countries)
- Managing HAZOPs (HAZOP Team, HAZOP Leadership, HAZOP formats & Documentation, Recommendations, Audits)
- Case Study of a HAZOP

Director
Date: XYZ

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SAMPLE

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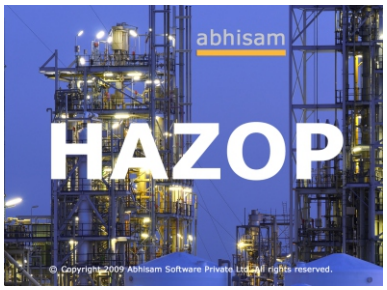
Abhisam E-learning Courses

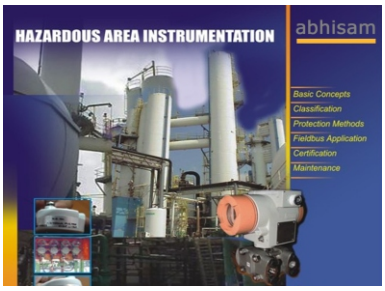
HAZOP



Learn all about Hazard and Operability Study via this XPRTU. Covers the following

- Basic Concepts (Hazard & Risk Analysis, Consequences, Cost Analysis)
- HAZOP Methodology (Intentions & Deviations, Nodes, Guide Words, worked examples from industrial operations)
- HAZOP Types, Standards & Legal Requirements (Greenfield HAZOP, Brownfield HAZOP, CHAZOP, relevant ISO & IEC standards, legal requirements in countries)
- Managing HAZOPs (HAZOP Team, HAZOP Leadership, HAZOP formats & Documentation, Recommendations, Audits)
- Case Study of a HAZOP
- Case Studies of HAZOP of different unit operations (Distillation, Filtration, Storage)- only in Enterprise version

Hazardous Area Instrumentation



- Basic Concepts of Hazardous Areas & Materials
- Area, Material and Temperature Classification
- International Standards related to Hazardous Areas
- Methods of Protection (including Explosionproof, Intrinsic Safety, Pressurization, Increased Safety & others)
- Fieldbus in Hazardous Areas
- Certification & Labeling (including ATEX requirements)
- Inspection and Maintenance
- SIS Testing and Maintenance

Safety Instrumented Systems

- Learn all about Safety Instrumented Systems including
- Introduction to Safety Instrumented Systems (SIS)
- Hazards, Risks and their analysis
- Failures and Reliability
- Safety Integrity Level (including SIL Assessments and SIL Verification calculations)
- SIS Standards (IEC 61508, IEC 61511, ISA S84)
- SIS in practice
- SIS Testing and Maintenance

Gas Monitors & Detectors

- Basic Concepts of Gas Monitors (including Accuracy, Repeatability, Linearity)
- Explosive and Toxic Gases
- Gas Monitoring Terminology (including TWA,STEL,IDLH,REL,PEL,TLV)
- Types of Gas Monitors (Catalytic, Electrochemical, Semiconductor, IR, PID)
- Gas Monitoring Systems (Dedicated and Open systems)
- Installation, Calibration, Placement, Testing and Maintenance of Gas Monitors

RFID Technology

- Basic Concepts (Automatic Identification, Bar Codes, RFID tags)
- RFID Physics (Radio, Antennas, Modulation, Near and Far Field Communication)
- RFID Systems (Types of Tags, Readers, Antennas, Frequencies, Data transfer, Backscatter, Singulation, Protocols)
- Middleware and Standards
- RFID Applications (Supply Chain, Logistics, Hospitals, others)
- RFID Security & Privacy

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Fieldbus Technology

- Learn all about Fieldbus technology as used in the process industries including
- Basic Concepts (including Control System architectures, Digital Signals, Topologies, Manchester encoding, Fieldbus protocols, OSI Model)
- FOUNDATION Fieldbus (including Physical layer, Data Link Layer, User Layer including Blocks & Host Communications, Interoperability, Safety Instrumented Functions, implementation)
- HART, Profibus and ASi (including Protocols, Typical architectures, implementation)
- Fieldbus in Hazardous Areas
- Case Study of a Fieldbus project (Revamp project on an offshore platform)

Chemical Warehouse Safety

Learn safe handling and storage of hazardous chemicals in warehouses

- Basic Concepts
- Hazards
- Warehouse Design & Product Storage
- Health, Safety and Environment Requirements
- Operations & Management
- Legal, Security and Emergency Measures

AC Variable Frequency Drives

Learn all about AC Variable Frequency Drives including

- Basic Concepts of AC Motors and VFDs
- Inside a VFD (including Rectifiers, Inverters, PWM modules, Thyristors and IGBTs and more)
- VFD Functions including Ramping, V/f control, Skip Frequencies, Flux Vector Control, Closed Loop Control, Anti Windmilling and more)
- Energy Management using VFDs
- Specifying, Selecting and Installing VFDs
- Using VFDs with DCS/PLC systems

Basic Industrial Cybersecurity (Coming Soon)

- Basic Concepts of Information Security & Cyber Security (including security principles, vulnerabilities & threats, malware types, types of attacks, information damage/exfiltration and more)
- Basic Concepts of Industrial Control Systems (PLC/DCS/SCADA/SIS/various Industrial networks)
- Differences between IT security and ICS security
- Vulnerabilities of Industrial Systems to cyber attacks, defense strategies.
- Risk Assessment and Mitigation
- Case Studies of ICS Cyberattacks

Competency Assessment Engine

Ideal for pre-recruitment screening or on the job competency evaluation

- Abhisam's Competency Assessment Engine is a system that can evaluate online, the knowledge, skill level and competency of a candidate in a particular domain through different kinds of tests. This can be done via one or multiple tests. Each test can comprise of different sets of questions, challenges and problems that the test taker has to solve. These could be the commonly used question formats like Multiple Choice, True/False, Fill in Blanks, Matching, etc as well as situation based testing such as Scenarios or Real Life like case studies. These help in assessing a candidate in a holistic way and helps the organization to get an insight into his/her capability.
- At present Questions and Scenarios/Case Studies are available from domains like Process & Functional Safety, Instrumentation & Automation Systems, Industrial Cyber security, Banking & Finance. Questions and scenarios/cases can be modified to suit an organization's particular requirement for regulatory compliance, best practices, recruitment, annual performance evaluation and so on.

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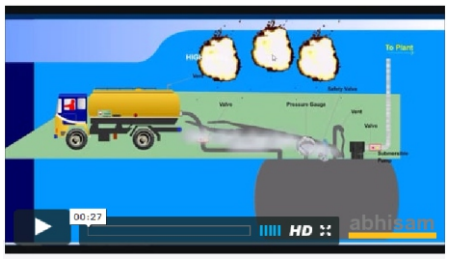
How are Abhisam E-learning courses different from online courses by universities?



Many “online courses” by universities are just collections of pdf documents and/or videos of their professors speaking. They are not comparable to an Abhisam XPRTU because text and video is only a small part of the package. Animations, Simulations and interactive exercises with real life industry problems and situations mean that you learn much faster and better. For example see a screenshot of a simulation from the Abhisam HAZOP XPRTU.

A Professor can of course draw all this on a whiteboard and then explain, but it will not be half as good as watching the simulation and understanding all the different aspects simultaneously. Secondly these XPRTUs are made by industry professionals who have decades of working experience, so the situations and simulations are highly realistic.

How is this different from traditional classroom based training?

Traditional classroom based training is slowly becoming obsolete because you need to be physically present in a classroom (along with your trainer) at a particular place and at that particular time, that may not be always of your choosing. However in case of an Abhisam XPRTU, you can learn at your own pace at your own location. In fact it makes Geography History.

However Abhisam can also offer blended learning, which means e-learning followed by a classroom session to interact with industry experts.

Why can't I surf the net, learn from YouTube videos or from vendor literature?

The internet is overloaded with information. You need search a lot among a large variety of videos, pdfs, ebooks, forum discussions, Linked In group discussions to get the information that you want. By the time you end your search, you would have spent hours and hours of your precious time searching. AND some of the info out there might be totally wrong (like those fake news sites). Plus, at the end of so many days of searching and compiling the info and then learning it, you need to get certified, in order to prove that you know the stuff.

Why can't I simply read books on the relevant subject?

Printed books are also getting obsolete, just like classroom training courses. They get updated not very often, so the info inside is almost obsolete, if not completely so. Plus they have no audio-visual simulation or animation, so it takes a lot of effort to understand what the author intends to convey. Plus again, you need to get certified, which is not possible by just buying and reading a book.

Is this a new concept? Who else have done this kind of training?

This is not a new concept at all. Thousands of engineers and technicians all over the world (from the Americas, Europe, Africa, Asia and Australia/NZ) have learned from Abhisam XPRTUs and got certified. In fact we have had customers from remote places such as Papua New Guinea too! It does not matter where you are located, as long as you have access to a computer and even spotty internet (you can download the XPRTU to your computer)

Are there different versions of these XPRTUs?

At the moment we have Online, Download and Enterprise versions. The content in the Online and Download versions is the same, the Enterprise version has some additional content.

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