

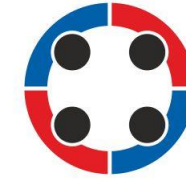
A presentation on the
Chola MS Safety Academy

LEADERS IN RISK ENGINEERING
AND EHS SOLUTIONS

AN ISO 9001:2015 CERTIFIED CONSULTING ORGANISATION



TRAINING SERVICES : CHOLA MS SAFETY ACADEMY



Chola MS Risk Services
SAFETY ACADEMY
Competency Building and Assessment




Corporate




Premier Training Partner

Individual



First Choice for competency building for a HSE professional

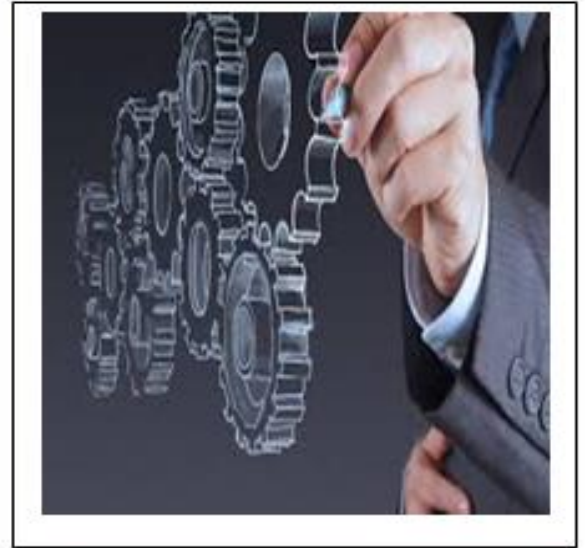
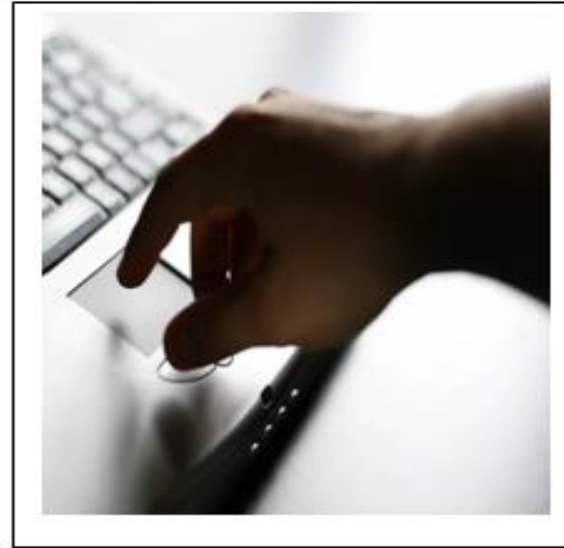
Formal Education



Preferred Education partner

- 25 years of experience in EHS Consulting across multidisciplinary domains & industries with a strong grounding in both domestic & international markets gives us an edge over others in offering training.
- 7,000 training hours clocked till date.
- 1500 organizations participated in our programs with over 200,000 learners

Learning Models



Elearning

*Powerful Competency building blocks
Concise modules which are highly informative and constructive.*

Incompany Training

Designed as stepping stones or Certification Enablers to acquire Industry recognized Credentials in EHS.

Custom built courses

Our Instructional Designers and Domain Experts can build customized e-learning Modules

Centre for excellence

*Senior Domain Experts offer programs through workshops, webinars and **virtual classrooms.***

Partnership with the Rajiv Gandhi Institute of Petroleum Technology, Scaffold Training Institute (Texas)

50 + HSE courses for Corporates

Process Safety courses

- Quantitative Risk Assessment (QRA)
- Safety in Pre commissioning
- Confined Space Entry
- Hazard and Operability Study (HAZOP & CHAZOP)
- Safety Integrity Level (SIL) Assessment & Verification
- Layer of Protection Analysis (LOPA)
- Lab Safety, LPG Safety, Chlorine Safety
- Industry Safety Management
- Functional Safety
- HIRA
- HazMat

Environment & Sustainability Safety

- Environment Legislation
- Integrated Hydro geological Methods
- Marine EIA Training
- Odor Management Training
- Zero Liquid Discharge : Solutions Training
- Integrated Air Quality Management
- Industrial & Waste Water Management Training
- Environment management & Sustainable Development – Specific reference to ISO26000
- Carbon/water foot printing
- Solid and Hazardous Waste Management
- ESM for process industries

Fire & Electrical

- Safe Lockout and Tagout
- Hazardous Area Classification
- Arc Flash Training
- Mitigating Dust explosion Hazards
- Basic Electrical Safety
- Lightning Risk assessment and Surge Protection
- Statutory requirements – CEA 2015, NFPA 70, OISD...
- E-Hazop
- Thermography as a predictive tool
- Fire Risk Management & Protection Systems
- Fire safety with Solvents
- Fire Safety, Life Support

50 + HSE courses for Corporates

Construction Safety

- Construction Safety Training for supervisors
- Scaffolding Safety
- Work At Height
- Material Handling
- Welding , Grinding , Gas Cutting Safety
- Excavation and Trenching Safety
- Lifting & Rigging operations
- Hazardous Material
- Lead Safety in the Workplace
- Personal Protective Equipment
- Use of Explosives
- Stairs and Ladders Safety
- Hand and Power Tools
- Struck by and Caught in between

Logistics & General Safety

- Defensive Driver Training
- Fork Lift Operator Training
- Ware house Design and Safety
- Journey Risk Management Training
- Driver Management and Counselling Programs
- Emergency Response Planning & Training
- Disaster Management Training
- Behaviour Based Safety
- Hazard Identification Training
- HIRA & JSA



LEARNER APPROPRIATE TRAINING STRATEGIES



Nukkad Natak for Safety Awareness



Safety Posters displayed at construction site



Working at height Training conducted



Mock Drills conducted



Fire Fighting Training conducted



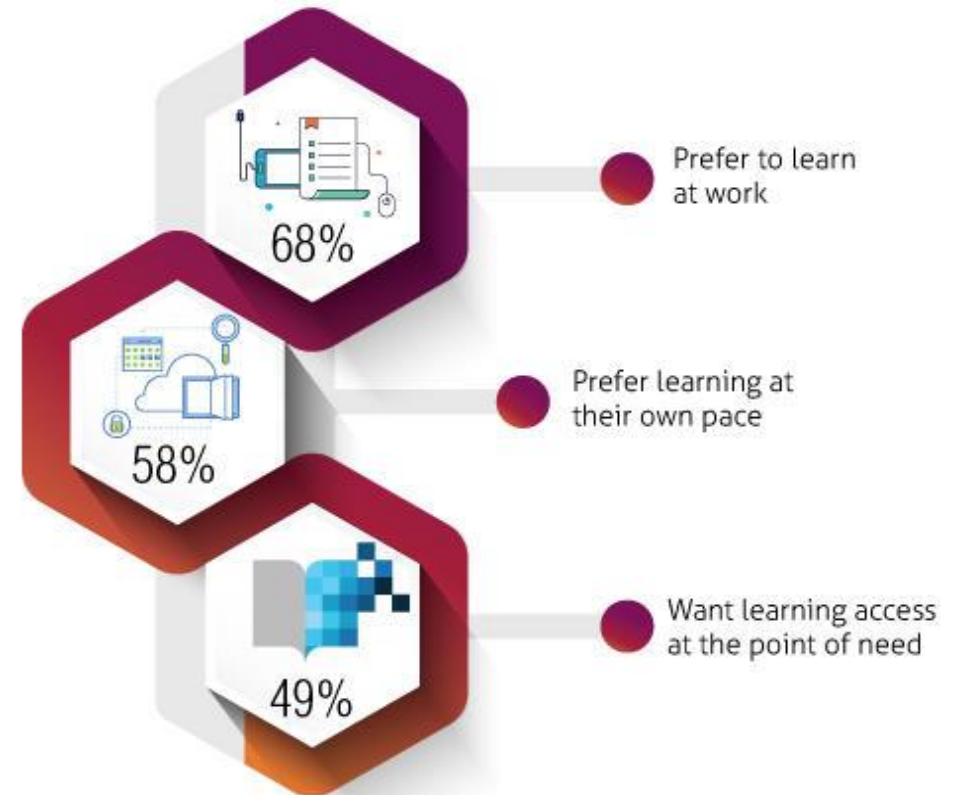
General Health Awareness Training



Mock Drill with Fire Brigade



Integrating technology



Emerging Workplace Learning Trends 2018



Technology Enabled Learning



E-LEARNING



SAFETY FILMS



MICRO MODULES



VIRTUAL REALITY



MOBILE APPS

1. Online/ E-LEARNING COURSES

Fundamentals of QRA



Electrical Safety at Site



Safety in Pre-commissioning



Understanding Hazardous Area Classification



Work at Height



Welding, Gas cutting and Grinding Safety



Safe Scaffolding



Selection of Equipment in HAC zones



Safety in Material Handling



Development of Design Strategy is based upon Subject, Profile and Duration of course



5:12

Fire Safety and Emergency Preparedness 02

350 views • 1 year ago



20:16

Driving Under Difficult Road Conditions Demo Video

84 views • 2 years ago



5:06

HAZOP Safety Study

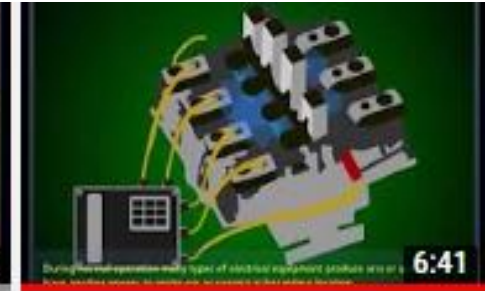
2K views • 2 years ago



7:04

Confined Spaces Entry Safety

1.1K views • 2 years ago



6:41

Hazardous Area Classification - Part II

1.8K views • 2 years ago



4:54

Hazardous Area Classification - Part I

1.8K views • 2 years ago



3:23

Basic Electrical Safety

13K views • 2 years ago



5:06

Defensive Driving - Two Wheelers

1.8K views • 2 years ago



4:44

LOPA Demo Video Final

1.4K views • 3 years ago



5:52

Excavation and Trenching Safety

400 views • 2 years ago

3D / 2D Animation, Photos, Videos, Characters, Avatars, Activities, Assessment, Role-plays

Explore



Mind Map



Look For Answers



Digital Content



Case Studies



Video Resources



Talking Head



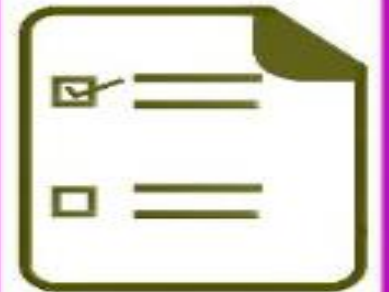
Discussion



**References &
Credits**



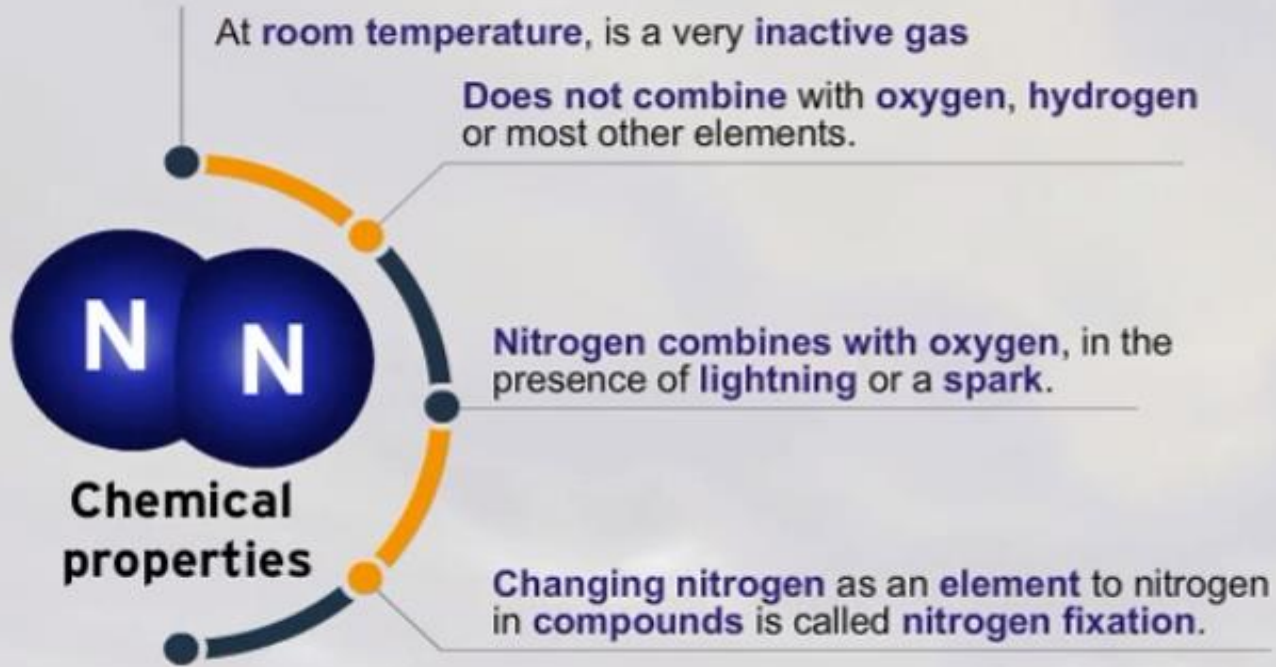
Summary



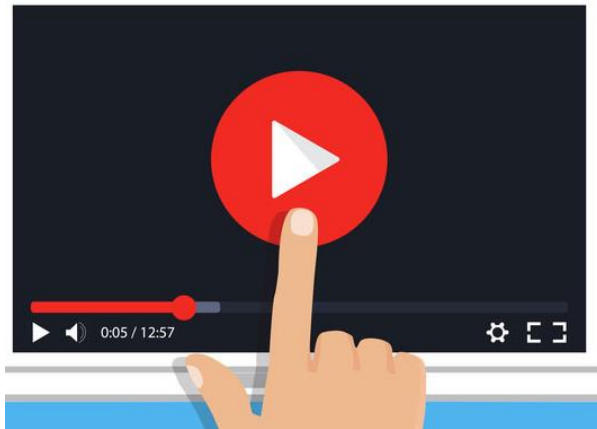
Assessment



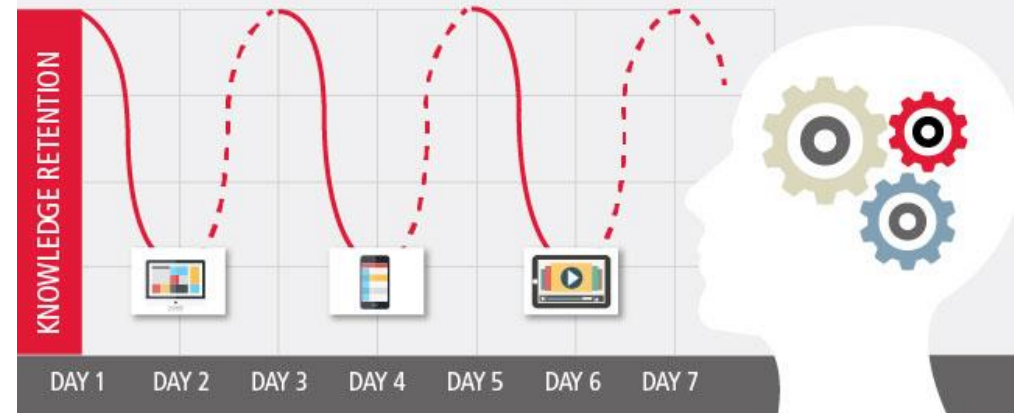
Properties of Nitrogen



2. Micro-learning Modules – Video Based (4–7 min short videos)



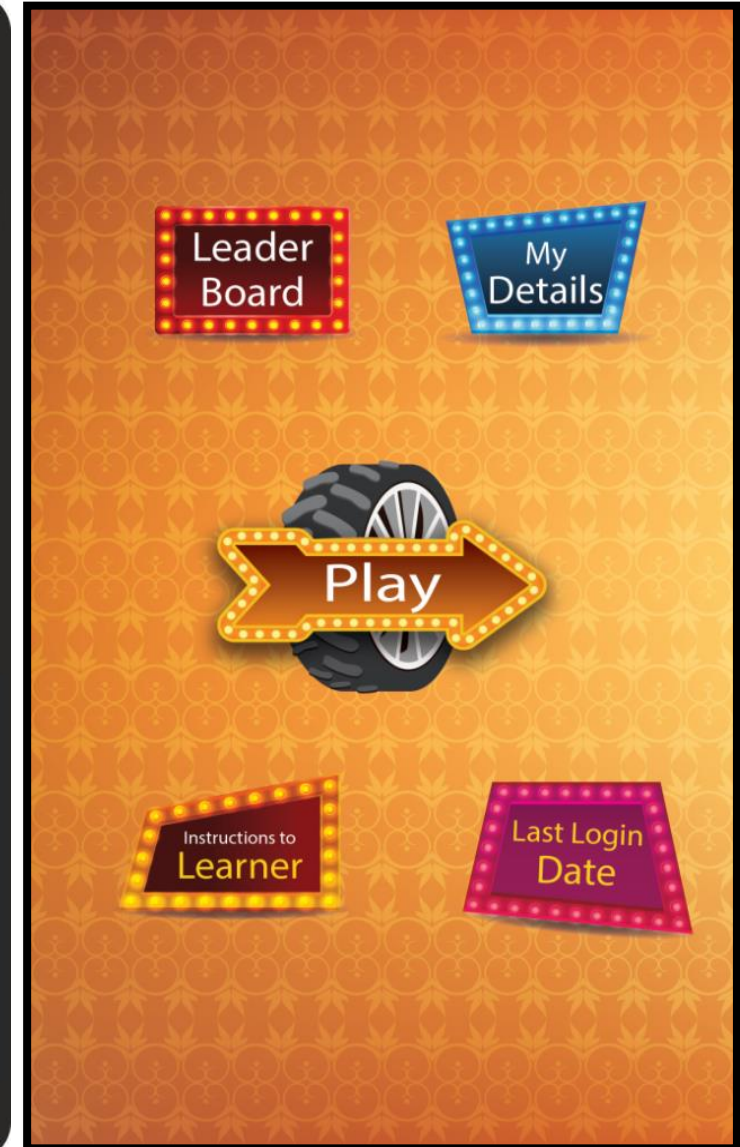
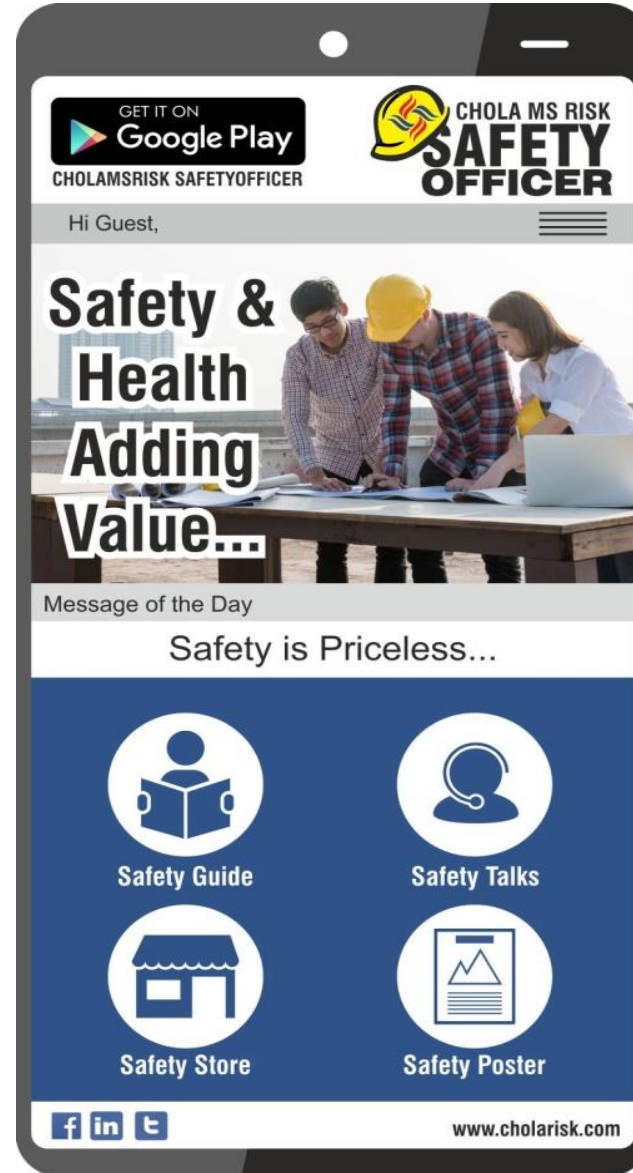
Micro-learning improves focus and supports long-term retention by up to **80 percent**



Microlearning is a holistic approach for skill based **learning** and education which deals with relatively small **learning** units. It involves short-term-focused strategies

3. Going Mobile & Gamebased Learning

“There’s an app for that” seems to be one of the most common phrases in today’s vocabulary. Mobile has changed the way organizations collaborate and work, in addition to function socially. There are many learning apps and mobile friendly Web-based sites to centralize training, no matter where your workers are.



4.AR/VR as a game changer



AR/VR as a game changer...

Construction workers will learn how to do things like safely walk around a scaffold 20 stories in the air before their first day of work , And delivery drivers will be able to navigate dangerous road conditions before getting inside and operating a company vehicle. And so on.



Benefits

Representation of real life that accurately demonstrate a physical or simulated process or phenomenon.

Practice in a safe , controlled environment

An immersive experience, much more engaging than traditional methods , as a result people learn critical concepts better

Experiential learning without the risks and costs associated



Some use cases:

- Training staff on specific hazardous situations (Work at Height, Confined spaces, Driving)
- Equipment and procedural training (Heavy machinery operation, Medical processes)
- Health and Safety (Fire and Evacuation Plans)



VIRTUAL REALITY – ESCAPE FROM A ROOM ON FIRE



DRIVING SAFETY



FORKLIFT OPERATING SAFETY

Some use cases: Construction Safety



VR in Inspection of Scaffolds

1. Scaffold inspection
2. Scaffold erecting
3. Scaffold dismantling
4. Work at height
5. Rescue from height – WIP

Road Safety Campaigns



Augmented Reality



Augmented reality is an interactive experience of a real-world environment where the **objects that reside in the real world are enhanced by computer-generated perceptual information**, sometimes across multiple sensory modalities, including **visual, auditory, haptic, somatosensory and olfactory**

THANK YOU

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