



# Centre for Industrial Solutions and Advanced Training

A Global Training Service and Industrial consultancy Provider

An ISO 9001:2015 Certified

*"Empowerment through Knowledge"*



## A One stop Solution for all Industrial need

**(Training, Consultancy, Software, Environmental Services, Audit, Study, Automation Solution)**

**An ISO 9001: 2015 Certified**

### **CISAT Corporate Office:**

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## ABOUT CISAT

- **“Centre For Industrial Solutions and Advanced Training”** is an ISO 9001:2015 certified Industrial consultancy services and Training Provider Company (Internationally) managed by professionals with rich Industrial experience across globe.
- **CISAT** involves in complete **Industrial Consultancy and services**, HR, LMS, OD, Professional Trainings, Automation Solution, Software Solutions, Industrial Safety, Environment & Energy Audits, Study and Improvement projects, Vibration Analysis etc. More details are available on our web [www.cisat.co.in](http://www.cisat.co.in).
- **As a Group** we are in software development (IT), Automation solution, Industrial consultancy services, HSE consultancy & Audits, Talent Development, Control Panel Solution etc. We do provide customized solution as per client's requirement.



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## Our Offering

Complete Industry Training Solution

01

Arc Flash & Protection Study

08

Control Panel Design and Supply, Automation Solution-Supply and Project

02

Software Development, HR Automation System

07

Technical Due Diligence, Feasibility & Advisory Services

03

Vibration Analysis and Services

06

Safety and Environment and Energy Audit

04

Specialized Product Supply

05

Metal, Power, O&G, Chemical, Engineering, Manufacturing, Cement, Pharma Industries



## Our offerings- HR/Training Services:

1. OD, Training, Consultancy and Mentoring
  - a) Content Development,
  - b) Complete Technical Training,
  - c) Training staff development (TTT programme)
  - d) E-Learning module development (Digital Education),
  - e) Course material development for training,
  - f) Skill mapping, Assessment and Skill Certification,
2. Complete HR & Talent management Software Solution- LMS, PMS
3. Environment Audit, Compliance and Training Services
  - Environment Management Plan, Hazardous Waste Management, Hazardous Waste Audit, Govt. Liasoning
4. Safety Training & Audit, Energy Audits and assessment.
5. 5S, Six Sigma, TPM, TQM Training and Implementation.
6. Vibration Analysis Consultancy Services.
7. Arc Flash Hazard, Protection, Load flow analysis, Relay Setting Study.



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## INDUSTRIAL SAFETY TRAINING PROGRAMS (ALL):

- Plant safety Training, Workers Safety Programs.
- Electrical Safety, Arc Flash and Protection System.
- Equipment Safety, Welding safety, Plant Process Safety
- First Aid Certified Training program.
- Emergency Preparedness, Disaster Management
- Rescue management etc.
- Work at height, Scaffolding Training
- Crane Safety, Safe Driving Practices and many more.
- **Online Safety E-Learning programmes and Safety Software.**

### Note:

- Any program can be customized as per the organization's need.
- We can undertake complete Outsourcing of Training Delivery.

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## Industrial Environment Consultancy & Solution:

Specialized consultancy services offered in following areas:

- Environmental Management Plan (EMP).
- Solid waste management Plan (SWM).
- Hazardous Waste Management.
- Hazardous Waste Audit.
- Government Liasoning.
- Environmental Training Solution for Industries.

### Note:

- Any program can be customized as per the organization's need.
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## Arc Flash Hazard Study, Relay Coordination

### Study & Electrical Safety Program:

#### Applicable Standards & References:

- IEEE 1584-2018: Guide for Performing Arc-Flash Hazard Calculations
- NFPA 70E: Standard for Electrical Safety in the Workplace
- OSHA 29 CFR 1910 Subpart S (as reference)
- IEC 61482-1-1/-1-2 (Arc-rated PPE, as applicable)
- Client’s internal Electrical Safety Rules, OEM manuals, and local statutory requirements (CEA/State Inspectorate where applicable)



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## Technical Competencies & Industrial Services

Specialized consultancy services offered in following areas:

- **Technical Advisory Services**

Industrial troubleshooting, Power Plant operational practices improvement, maintenance audits and supervision for power plant heavy equipment.

- **Energy and Technical Audits**

BEE, PAT, MEA Audits, M&V Audits, Thermal Power Plants Performance Monitoring, Electrical & Thermal System Energy Audits, Power Quality and Water Audits, Green Audits.

- **Advisory Services**

Expert services for banking loans, plant & machinery valuation, M&A technical due diligence, Independent & lender's engineer services, Certifications & opinions.

**Note:**

- All services can be tailored to specific industry requirements.
- We provide end-to-end technical consultancy and advisory support across the sectors

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## Technical Competencies & Industrial Services

Specialized consultancy services offered in following areas:

- **Engineering Services**

Electrical safety risk assessments, Electrical safety audits as per CEA norms, Thermography studies, Energy recovery from industrial waste heat, Energy monitoring systems, IoT-based real-time parameter monitoring design.

- **Project Appraisal and Monitoring**

Technical due diligence, Project cost investigation & advisory, Feasibility studies, Cost vetting, Independent Engineer services, Chartered Engineer opinions.

- **Sustainability Reporting**

ESG reporting, Decarbonization strategies (SBTi aligned), Sustainable finance & ESG materiality assessments, GHG accounting & carbon credits.

Note: All services can be tailored to specific industry requirements.



## Process Safety Management (PSM): Services & Trainings

Specialized consultancy services offered in following areas:

### Services

- Risk Analysis (Qualitative & Quantitative)
- PSM System Implementation (OSHA/CCPS framework)
- HAZOP & LOPA Studies
- RCA, Bow-Tie, HAZID/ENVID, HIRA
- MOC & PSSR facilitation
- ISO-aligned Safety Audits (ISO 45001, ISO 14489)
- PSM Gap Assessments, SIL, Safety Case.
- Regulatory Compliance Support (OSHA, CCPS, ISO, OHSAS)

### Trainings

- Safety Culture & Leadership Training
- PSM Elements Training (14 Elements)
- HAZOP & LOPA Training
- RCA & Incident Investigation Training
- MOC & PSSR Training
- ISO-based Safety Audits Training
- Emergency Response & Crisis Preparedness
- Contractor & Process Safety Leadership Training
- Customized Industry-Specific PSM Workshops

Note: Any program can be customized as per the organization's requirement.



## Vibration Analysis Services

- ❖ Hands ON Technical Training Programmes
- ❖ Condition Monitoring Services, Vibration Study, RCFA and Audit.
- ❖ Noise & Vibration Reduction and Control
- ❖ On site Laser Alignment & In-Situ Balancing
- ❖ Performance Enhancement Techniques for Rotating Equipment
- ❖ Facility Management with Reliability Focus
- ❖ Energy Optimization and Saving Solutions

### Note:

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## Software Development

CISAT, provides a software package that can be accessed through the web browser. We have a committed team of developers and designers.

We focus on customized solution. CISAT have a complete **HR**

**Automation solution that is developed by own.** We have developed many software's till now, such as

- Billing and Inventory Software
- ERP and CRM Software
- Web-based Applications and web site development
- Customized Software Development
- MLM (Multi-Level Marketing) Software
- Election Management Software
- Blockchain development.
- HR/Training Software equivalent to SAP



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## Specialized Product: Control Panel Manufacturing and Supply

- ❖ Submersible pump starter
- ❖ DOL starter
- ❖ Electric control panel (MCC, PCC, DB etc.
- ❖ PLC panel, Drive panel and Soft starter panel motor starters.
- ❖ Single phase deep drawn metal meter box
- ❖ 100 KVA LTDB with kitkat/MCCB
- ❖ Deep drawn metal parts sheet metal press components
- ❖ Automation Solution, Supply and Project Implementation



Incinerator for waste material treatment

Drone for special applications





## Sector/Companies to provide services

1. Power Plant
2. O&G Companies
3. Cement Industries
4. Tyre Industries
5. Chemical Industries
6. Metal Industries
7. Manufacturing Sector
8. Small and Medium Ind.
9. Construction Industries
10. Municipal Corporations
11. Paper Industries
12. Service Industry
13. IT Industries.
14. Mining Sector
15. Power Transmission Sector
16. All Customized solution
17. Agriculture Industries
18. Pharma Industries



## Our offering- Best LMS:

Specially Developed Complete HR Automation system/ LMS “HRAutosoft” which alone can do all the functions of HR or Training Manager.

This Software, alone can do all the HR Functions such as

- Recruitment, Joining and Induction
  - L&D
  - PMS
  - Reward and Recognition
  - Succession Planning
  - All reports
  - Complete Workforce Management (Workers)
  - Auto Feedback system
- Gathering Training need from every department and Employees
  - Technical/behavioral or soft skill/Safety/Quality/Management Functional etc.
  - Competency mapping & Skill Gap Analysis at Micro level (in % of knowledge)
  - Preparing training Calendar by own (Monthly/Quarterly/Yearly)
  - Preparation of Training Budget
  - It contains details of all Service providers or vendors (Internal/External Trainers/expert database)
  - Online Quotation System (to receive online quotations for various Training programs with comparison report)
  - Preparation of comparative statements (From all different Service providers)
  - Feedback and Analysis for every program conducted.
  - Microanalysis of various Skills for an employee (Existing and updated)
  - ROI calculations (Assessment)..many more functions



## Best Features of LMS “HRAutoSoft”

Specially Developed LMS alone can do all the functions of Training Manager

Various Report generation required for Training Coordinator or Manager

- Complete Skill matrix and analysis for an individual and Record
- Training Calendar (Yearly/Quarterly/Monthly/weekly)
- Training Budget (Planned, Allotted, spent etc)
- Attendance of every training programs
- Individual Training need and Assessment
- Internal/external training and Nominations system
- All other reports required category wise, grade wise or any other
- Up-dation to get Internal Trainers from various departments.
- Career planning, skill updates etc..

In short it will do all the function of a training personnel/manager and hence will be useful to all the organizations.

It can be customized as per the requirement of organization. We will be happy to discuss more and give a demo if your company is interested.



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## Our Offering: Complete Technical Training

- Electrical/Instrumentation and Computer and AI Applications.
  - Electrical Drives O & M, Installation commissioning
  - Substation, S/S O&M- CBM & Testing
  - Switchgear and Protection
  - Earthing/ Transformer Operation & Maintenance
  - HT/LT Motor – Operation and Maintenance
  - Electrical Safety & other customized Training Programs
  - Process Control and Instrumentation
  - Industrial Communication & networking
  - PLC/SCADA/DCS etc.
- Mechanical Engineering
  - Condition Monitoring, Best Maintenance practices etc.
  - Welding technology
  - Bearing Operation and Maintenance, Vibration Analysis etc.
  - Pump, Compressor, Hydraulics and Pneumatics etc
- Chemical Engineering
- CIVIL Engineering ..... Many more

Note:

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## Training programs in Mechanical Engineering

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- 1 Training Program on Industrial Hydraulics: Basics, Operation and Maintenance
- 2 Training Program on Industrial Pneumatics and Electro-pneumatics: Basics, Operation and Maintenance
- 3 Bearing: Need, Types, Application, Lubrication, Maintenance and CBM
- 4 Cranes: Need, Types, Application, Maintenance and CBM
- 5 Basics of Pneumatic & Hydraulic System: Operation and Application
- 6 Pumps and Compressors Operation and Maintenance and CBM
- 7 Training program on Basics and Introduction Mechanical Engineering for Operators
- 8 Modern Plant and Machine Maintenance
- 9 Predictive Preventive Maintenance and NDT
- 10 Advanced Industrial Oil Hydraulics: Applications and Maintenance
- 11 World Class Maintenance Management
- 12 Lubrication and Lubrication Techniques
- 13 Boiler: Operation, Maintenance and Performance Management
- 14 Mechatronics Engineering: Basic Concepts, Operation and Maintenance
- 15 Introduction to Electrical Engineering: Basic Concepts and Electromechanical
- 16 HVAC: Operation, Maintenance and Troubleshooting
- 17 Welding and Advanced Technology: Concepts and Applications
- 18 Piping: Fundamentals, Sizing, Design and various Standards
- 19 Introduction to Mechanical Engineering and General Maintenance Practices.



## Training programs Automation and Process Control

- 1 Proficy Machine ion Logic Developer
- 2 PLC Communications: Industrial Applications
- 3 Proficy HMI SCADA Cimplicity Advanced
- 4 PLC Project Design Engineering & Project Management  
Proficy Machine ion (Logic Developer-PLC) & Proficy HMI SCADA
- 5 Cimplicity
- 6 Motion Control Engineering
- 7 PLC Engineering & SCADA : Industrial Applications, Programming & Troubleshooting
- 8 DCS: Introduction and Implementation
- 9 Process Control and Instrumentation
- 10 Industrial Networking: Applications and Troubleshooting
- 11 Training Program on Mechatronics Engineering.

Call/sms/email for any customized Training program



## Training programs in Operational Excellence

- Basics and Advanced Lean Manufacturing
- Transactional Process Improvement
- Four pillars of High performing organizations
- Hoshin Kanri –Strategic Management and TQM
- Lean Implementation, Six Sigma
- TPM
- TQM
- Cost of Poor Quality
- Change Management
- Toyota Production system
- Seven Quality tools
- 5S & Six Sigma
- Lean thinking for Managers .....Many more



## Training programs in Behavior/HR

- Soft Skill
- Time management
- Managing change
- SDP / MDP and LDP
- Business Communication
- Business Etiquettes
- Six thinking hats
- 360 Degree feedback
- Creative thinking
- Lateral thinking for innovations
- Knowledge management
- Time management
- Team building and management ..... Many more



## Training programs in Mining Industry

- Rules and Regulations
- Safety related to Mines
- Electrical Safety in Hazardous Areas (Mining)
- Operational Safety
- Electrical safety related to Mines, Standard rules, Audit and Mitigations
- Mines Equipment Safety.
- AI in mining Applications.



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## Our Prestigious business partners includes from many Mining, Chemical and O&G Industries such as





## Our Training Program Delivery Strategy:

- Contents Design to suit best requirement to an Organization.
- Expectations or Objective Setting
- Pre and Post Test
- Knowledge Sharing through Power Point Presentation,
- Animations and videos
- Case Study and Discussions
- Team or individual exercise, Assignments and activities
- Hands ON practical's
- Plant Visit
- Management games
- Analysis Report / Assessment / Feedback



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## Training Facility:

CISAT has International level Training Centre Located in a learning atmosphere at Butibori, Nagpur (Maharashtra Region), India also an equipped training conference room at Nagpur office.

It is equipped with training facility for up to 40 participants fully air conditioned, LCD Projector, Audio-video, White Board and all facility required for natural activities. It also has facility for Lodging and Boarding in a campus.

CISAT have facilities for practical's on various topics such as,

- Testing of Electrical and Mechanical Equipments
- PLC/SCADA (Allen Bradley/Siemens and other)
- Welding, Cable and Cable jointing techniques.
- Computer Lab with required software support

We have support from various Industries and Educational institutions for onsite Training to support above as well Industrial visits as required.



## Experts Associated with us:

CISAT have around 75 Experts associated to impart various customized services, consultancy, trainings or Audits. All Experts have

1. Industry Experience varies from 15-40 years
2. Most of the Industrial fields and Services area
3. Technology Savvy
4. Mentoring & Training Experience

Few Names are

1. Shri. Sanjay Kashikar; Electrical Engineering, Power System, 35 yrs
2. Shri Sunil Sardey; Expert Electrical Engineering, Power System 36 yrs
3. Dr. Mohan Babu, Expert Safety; 36 Years in Industry
4. Shri Dilip Dhakate, Power plant Expert (Mechanical), 36 Yrs
5. Capt. Retd Mahendra Kakde; Expert Safety 23 yrs
6. Shri. Vinayak Gavankar; Business Communication; 35 Yrs
7. Mr. Pramod Kate; Boiler-Expert; 38 Yrs
8. Mahendra Dhande; IT Expert 19 Yrs
9. Shri. Hemant Desai; Welding expert; 26 Years.
10. Shri. Lalit Lunawat, 27 Years. Expert Metallurgy And many more..
11. Sanjay Burman; 16+ Years; Environment Expert
12. Shri. Vikas Wadnerkar, Electrical Engineering; 25 Years.



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## Our valuable and Esteemed Customers:

- Reliance Cement
- Trinity India, Pune
- Matrix Fertilizer
- Shree Cement Limited
- SKF, Pune
- Siemens
- Magpie Automation
- Clide Consultancy
- Chambal Fertilizer
- Asian Paints
- Aker Solutions
- DCM Shriram India Limited
- OPGC, Jharsuguda
- NRL, Assam,
- Tata Chemicals, Haldia, WB
- Sembcorp, Nellore, AP
- Coromandel Fertilizer
- HPCL
- BPCL
- Oil India
- NHPC

### International Clients

- Aaxal Training, UK
- Capital Consultancy, Dubai.
- Feedback Infra
- Colenco Consulting, Nigeria

- Ultratech Cement
- Uttam Galva/Evonith
- Shell Energy
- Cairn Energy
- BORL, BINA, MP
- VNR Seeds
- GM Bangalore (participation)
- Lafarge Cement
- Lloyds Steel
- L&T
- RAS Gas Qatar
- TUV ME
- MTIL Bhuj
- Adani Wilmar
- Adani Power
- Sterlite
- Vedanta/Electrosteel
- Welspun Corp Ltd. Anjar, Gujrat
- Thermal Power tech
- J K Laksmi Cement
- Jhajjar Power



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## Few Photographs of Trainings Conducted

Training Program on HT/LT Motor



Training Program on Electrical Power System, Doha, Qatar

Training Program on Advanced Maintenance Techniques



Training Program on Process Control



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## Few Photographs of Trainings Conducted at Nigeria

**Training Program on Welding and Welding Technology at Lagos Nigeria 21-24 May 2018**





## 4 Days Training Program Rotating Machinery Maintenance at Lagos Nigeria



**Our Expert Mr Harcharan Singh  
Delivering Training Program at Lagos,  
Nigeria during 19-22 March 2018  
International Location.**

### **Feedback from Trg Management:**

The training course was concluded successfully and Mr Singh was a big factor in its success. We commend his knowledge of the subject matter, his professionalism and teamwork.

We also look forward to working with you on other similar projects.

Regards.

Dr Bello





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**For more details and your requirement please Contact:**

Shri. Vikas Wadnerkar

**Centre For Industrial Solutions and Advanced Training**

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**“A Complete Consultancy and Industrial Solution under One roof”**

## Registration Details:

1. Udyam Registration Certificate No: UDYAM-MH-20-0026894
2. MSME no: MH20E0054775
3. GST Registration: 27ABBPW5589J1ZV