**CISAT**
ACROSS THE GLOBE

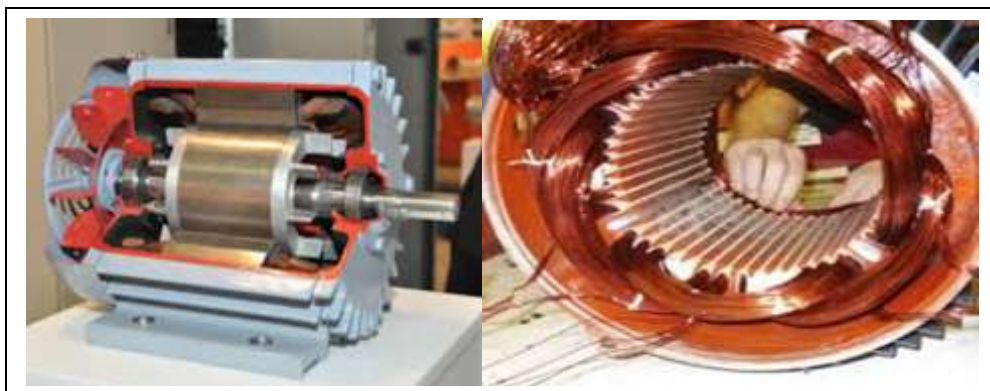## Centre for Industrial Solutions and Advanced Training

# 2 days Training program on HT/LT Motor: O&M, Faults and Protection, Condition Monitoring techniques

## 29-30 April 2019, Nagpur

# Centre For Industrial Solutions and Advanced Training
## An ISO 9001:2015 Certified

**(Technical- Electrical/Mechanical/Automation/Chemical, Behavioral & Soft Skill, Safety, Business Excellence, Safety & Energy Audit)**

*"A complete Training Solution Under One roof"*

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## 2 Day`s Training program on
# HT/LT Motor: O&M, Faults and Protection, Condition Monitoring Techniques
## 29-30 April 2019, at Nagpur

**Objective:**

❑ To understand the various parts and critical elements of Electrical Motor.

❑ To understand the operation and application of Electrical Motor.

❑ To understand the maintenance, troubleshooting & Protection of Motor

❑ To understand do's & don'ts of Drive; Rating & Failure analysis.

| SR | Contents |
|----|----------|
| **Basic Theory** | |
| **1.1** | Basic Theory of Electrical Motor |
| **1.2** | Various Laws and Mutual inductance theory |
| **1.3** | Construction of Motor: Various parts |
| **1.4** | Name Plate Rating; Symbol; Various Terms used in Motor |
| **Operations** | |
| **2.1** | Types of Motor:  AC/DC |
| **2.2** | Characteristics of motors, Speed control and Applications |
| **2.3** | Installation, Testing & commissioning |
| **2.4** | Load sharing: Concepts and Practical. |
| **Maintenance** | |
| **3.1** | Various Fault Detection : Scheduled and unscheduled Maintenance |
| **3.2** | Maintenance, Data keeping, |
| **3.3** | Testing of Electrical Motor |
| **3.4** | Harmonics; Voltage Fluctuation control and Effects |
| **Faults & Protection** | |
| **4.1** | Various Faults  and Troubleshooting,  Protection of Motor |
| **4.2** | MPCB |
| **4.3** | Relay setting for Motor |
| **4.4** | Protection of Motor: Over Load, Over current, S/C, Earthing failure, Differential Protection, |
| **Failure Analysis** | |
| **5.1** | Introduction to Failure Analysis: Current Signature Analysis |
| **5.2** | Thermography; |
| **5.3** | NDT; RLA; Bearing Failure- Causes and Remedies |
| **5.4** | Conditioning Monitoring Techniques |

**(Your partner for Industrial solution &Empowerment of Human Capital)**

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# Registration Details:

### *Registration Details:*

**Dates of the program:** 29-30 April 2019 at Nagpur (2 Days- Monday and Tuesday).

**Nonresidential Participation Fees:** INR 16000/- per delegate (Excluding GST@18%; Training program includes training material hard copies, Tea, Lunch & snack)

**Payment:** ECS/NEFT/DD in favor of "Centre for Industrial Solutions and Advanced Training" Payable at Nagpur, Maharashtra, India. Account No: 0509102000003353 Bank: IDBI, Wardha- 442001, MS, India; IFSC Code: IBKL0000509; MICR Code 442259001. (GST Code: 27ABBPW5589J1ZV; SAC Code 99-9293; State Code 27)

**Venue:** *KEC International Training Centre, Butibori, Nagpur/ At Pratapnagar square,* Nagpur

### **For Registration,**

1. *We do prefer On Line Registration through our web* www.cisat.co.in.
2. In other case do send nominations confirmation via email to Vikas 00-91-7709012815; vikas@cisat.co.in; cisat.nagpur@gmail.com; rupali@cisat.co.in; or you can do call Vikas +91-7709012815 or 8669546332

Looking forward further communication from you soon.

Centre For Industrial Solutions and Advanced Training

**Mrs. Rupali**, Director Business Development
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 "A Complete HR/Training Solution under One roof"
(Technical- Electrical/Mechanical/Automation/Chemical, Behavioral, Soft Skill, Safety, Out Bound training, business Excellence, Safety Audit, Energy Audit, Automation Solution)

**Web:** www.cisat.co.in; **Email:** vikas@cisat.co.in ; **Contact:+91- 7709012815 (Branches: Thane/Pune/Nagpur/Bhilai/Wardha)**

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