



All Power is within you;  
you can do anything  
and everything...

- Swami Vivekananda

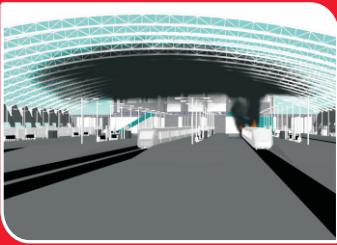
# Vivekananda

## Educational Institutions

BSS - NDA - PROMOTED BY GOVERNMENT OF INDIA, NEW DELHI

Approved by Govt. of India. BSS/NDA/TN/TRY/87/2016/7475/100165

### PROSPECTUS



### GATEWAY OF PROFESSIONAL TRAINING

Address : 7a, Victoria Road, Near Csi Hospital, Woraiyur, Trichy - 03

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A Corporate Member of National Safety Council

# **COURSE-1**

## **CERTIFICATE COURSE IN FIRE AND SAFETY**

### **SYLLABUS**

- 1. CHEMISTRY OF FIRE.**
- 2. CLASSIFICATION OF FIRE.**
- 3. HOUSE KEEPING.**
- 4. FIRE ROPES.**
- 5. FIRE RAMPS.**
- 6. FIRE EXTINGUISHING METHODS.**
- 7. TYPES OF FIRE EXTINGUISHERS.**
- 8. CAUSES OF INDUSTRIAL FIRES.**
- 9. FIRE FIGHTING CLOTHING.**
- 10. FIRE HOSES AND NOZZLES.**

**COURSE DURATION 30 DAYS**

<b>TOTAL FEES</b>	<b>1<sup>st</sup> INSTALMENT</b>	<b>2<sup>nd</sup> INSTALMENT</b>	<b>3<sup>rd</sup> INSTALMENT</b>
<b>Rs.5,000</b>	<b>Rs.2,000</b>	<b>Rs.2,000</b>	<b>Rs.1,000</b>

# COURSE-2

## DIPLOMA IN FIRE SAFETY ENGINEERING

### SYLLABUS

1. PHILOSOPHY OF FIRE.
2. CLASSIFICATION OF FIRE.
3. FIRE EXTINGUISHING METHODS.
4. FIRE EXTINGUISHERS TYPES.
5. FIRE FIGHTING SUITS.
6. FIRE ROPES AND FIRE RAMPS.
7. FIRE TENDER/SNORKEL.
8. FIRE HOSES AND NOZZLES.
9. OPERATION METHODS OF FIRE EXTINGUISHERS.
10. INSPECTION/MAINTENANCE OF FIRE EXTINGUISHERS
11. FIRE HOSE FITTINGS.
12. INSTALLATION OF FIRE EXTINGUISHERS.
13. REGISTER FOR FIRE EXTINGUISHERS.
14. TESTING OF FIRE EXTINGUISHERS.
15. FOAM MAKING EQUIPMENTS.

**COURSE DURATION 45 DAYS**

TOTAL FEES	1 <sup>st</sup> INSTALMENT	2 <sup>nd</sup> INSTALMENT	3 <sup>rd</sup> INSTALMENT
<b>Rs.10,000</b>	<b>Rs.3,000</b>	<b>Rs.3,000</b>	<b>Rs.4,000</b>

# COURSE-3

## DIPLOMA IN INDUSTRIAL SAFETY ENGINEERING

### SYLLABUS

1. SAFETY IN HAND TOOLS.
2. TYPES OF INDUSTRIAL HAZARDS.
3. ACCIDENT PREVENTION METHODS.
4. TYPES OF INDUSTRIAL ACCIDENTS.
5. PERSONAL PROTECTIVE EQUIPMENTS.
6. HAZARDS IN CHEMICAL HANDLING.
7. HAZARDS IN MATERIAL HANDLING.
8. ELECTRICAL SAFETY.
9. HOUSE KEEPING.
10. CREATING SAFETY AWARENESS.
11. DIVISION OF PLANT INTO UNITS.
12. ELECTRICAL INJURIES.
13. SAFETY WORKING AT HEIGHTS.
14. OSHA'S FUNCTION.
15. STANDARDS FOR SAFE WORK ENVIRONMENT.

**COURSE DURATION 2 MONTHS TO 1 YEAR**

TOTAL FEES	1 <sup>st</sup> INSTALMENT	2 <sup>nd</sup> INSTALMENT	3 <sup>rd</sup> INSTALMENT
<b>Rs.15,000</b>	<b>Rs.5,000</b>	<b>Rs.5,000</b>	<b>Rs.5,000</b>

# **COURSE-4**

## **DIPLOMA IN CONSTRUCTION SAFETY MANAGEMENT**

### **SYLLABUS**

- 1. CONSTRUCTION ACTIVITIES.**
- 2. IMPORTANCE OF SAFETY IN CONSTRUCTION.**
- 3. WORK PERMIT SYSTEM IN CONSTRUCTION.**
- 4. SAFETY IN EXCAVATION WORKS.**
- 5. SAFETY IN BLASTING WORKS.**
- 6. TERMINOLOGY OF SCAFFOLD.**
- 7. SCAFFOLDING COMPONENTS.**
- 8. PROVISION UNDER THE BUILDINGS AND OTHER CONSTRUCTION WORKERS CONTRACT RULES-1998.**
- 9. DESIGN OF SCAFFOLD.**
- 10. CHECKLIST OF SCAFFOLD.**
- 11. SAFETY WHILE WORKING AT FRAGILE ROOF.**
- 12. SAFETY IN SHED ERECTION.**
- 13. SAFE HANDLING OF GAS CYLINDERS AT CONSTRUCTION AREAS**
- 14. SAFETY EDUCATION TO CONTRACT EMPLOYEES.**
- 15. WARNING/INFORMATION SAFETY BOARDS REQUIRED IN CONSTRUCTION.**
- 16. ELECTRICAL SAFETY IN CONSTRUCTION.**
- 17. PPES REQUIRED IN CONSTRUCTION.**
- 18. SAFETY WHILE WORKING AT HEIGHTS.**
- 19. LADDER SAFETY.**
- 20. MATERIAL HANDLING EQUIPMENTS USED IN CONSTRUCTION**

**COURSE DURATION 2 MONTHS TO 1 YEAR**

<b>TOTAL FEES</b>	<b>1<sup>st</sup> INSTALMENT</b>	<b>2<sup>nd</sup> INSTALMENT</b>	<b>3<sup>rd</sup> INSTALMENT</b>
<b>Rs.18,000</b>	<b>Rs.6,000</b>	<b>Rs.6,000</b>	<b>Rs.6,000</b>

# **COURSE-5**

## **DIPLOMA IN DISASTER MANAGEMENT**

### **SYLLABUS**

- 1. CAUSES FOR INDUSTRIAL DISASTER.**
- 2. IMPORTANCE OF DISASTER MANAGEMENT.**
- 3. ON-SITE EMERGENCY PLAN.**
- 4. NEED OF EMERGENCY DISASTER PLAN.**
- 5. EDUCATION TO EMPLOYEES ON DISASTER.**
- 6. DECLARATION METHODS OF EMERGENCY.**
- 7. DO'S/DONT'S DURING EMERGENCIES.**
- 8. CALLED OF EMERGENCY.**
- 9. STATUTORY PROVISIONS.**
- 10. OFF-SITE EMERGENCY PLAN.**
- 11. ASSEMBLY POINTS.**
- 12. SIREN PATTERNS.**
- 13. FORMATION OF ON-SITE EMERGENCY TEAMS.**
- 14. ROLE OF EMERGENCY TEAMS.**
- 15. EDUCATION TO PUBLIC ON EMERGENCY.**
- 16. FORMATION OF OFF-SITE EMERGENCY TEAMS.**
- 17. SAFETY EQUIPMENTS USED DURING EMERGENCIES.**
- 18. MOCK DRILL.**
- 19. MUTUAL AID SCHEME.**
- 20. PUBLIC LIABILITY INSURANCE SCHEME.**

**COURSE DURATION 2 MONTHS TO 1 YEAR**

<b>TOTAL FEES</b>	<b>1<sup>st</sup> INSTALMENT</b>	<b>2<sup>nd</sup> INSTALMENT</b>	<b>3<sup>rd</sup> INSTALMENT</b>
<b>Rs.22,500</b>	<b>Rs.7,500</b>	<b>Rs.7,500</b>	<b>Rs.7,500</b>

# COURSE-6

ADVANCED DIPLOMA IN FIRE SAFETY MANAGEMENT AND INDUSTRIAL SAFETY MANAGEMENT.  
SYLLABUS (TOTAL 100 TOPICS)  
(INCLUDING SYLLABUS UNDER COURSE 1 TO 5 (70 TOPICS))

## SYLLABUS

- |   |                                     |
|---|-------------------------------------|
| 1.WATER SPRINKLER SYSTEM.                               | 16.FACTORY ACT 1948.                |
| 2.GAS-FLOODING SYSTEM.                                  | 17.ABC ANALYSIS.                    |
| 3.FIRE SENSOR.  | 18.SAFETY IN OXY-ACETYLENE CUTTING. |
| 4.CAUSE OF INDUSTRIAL FIRES.                            | 19.SAFETY TAG AND LOCKOUT SYSTEM.   |
| 5.FIRE PREVENTION METHODS.                              | 20.MACHINE GUARDING.                |
| 6.SAFETY TIPS ON FIRE SURVIVAL<br>IN FACTORY BUILDINGS. | 21.CONFINED SPACE.                  |
| 7.ROLE OF OSHA ON SAFETY.                               | 22.ILLUMINATION.                    |
| 8.ROLE OF NSC ON SAFETY.                                | 23.VENTILATION.                     |
| 9.SUPERVISOR ROLE ON SAFETY.                            | 24.SAFETY SURVEY.                   |
| 10.TRADE UNIONS ROLE ON SAFETY.                         | 25.SAFETY COMMITTEE.                |
| 11.ROLE OF MANAGEMENT ON SAFETY.                        | 26.SAFETY POLICY.                   |
| 12.ROLE OF GOVERNMENT ON SAFETY.                        | 27.ROAD SAFETY INSIDE FACTORY.      |
| 13.SAFETY EDUCATION/TRANING.                            | 28.ISI RELATED TO SAFETY.           |
| 14.SAFETY AND PRODUCTIVITY.                             | 29.ISO CERTIFICATION.               |
| 15.WELDING SAFETY.                                      | 30.WATER RISERS.                    |

**COURSE DURATION 3 MONTHS TO 1 YEAR**

TOTAL FEES	1 <sup>st</sup> INSTALMENT	2 <sup>nd</sup> INSTALMENT	3 <sup>rd</sup> INSTALMENT
<b>Rs.27,500</b>	<b>Rs.9,000</b>	<b>Rs.9,000</b>	<b>Rs.9,500</b>

தமிழ்நாடு வளர்ச்சி மற்றும் பொறுப்பு துறை மக்கள் பேரவை

உதவை தலைவர்

# **COURSE-7**

**POST DIPLOMA IN FIRE SAFETY MANAGEMENT AND INDUSTRIAL SAFETY MANAGEMENT  
(OSHA STANDARD) SYLLABUS (TOTAL 140 TOPICS)  
(INCLUDING SYLLABUS UNDER COURSE 2 TO 6 (TOTAL 100 TOPICS))**

- 1. STATUTORY PROVISIONS ON FIRE SAFETY.**
- 2. FIRE HYDRANT SYSTEM.**
- 3. FIRE ALARM SYSTEM.**
- 4. CHAIN REACTION.**
- 5. LPG SAFETY.**
- 6. IMPORTANT LEGISLATIONS ON SAFETY AND  
HEALTH.**
- 7. ACCIDENT REPORTING SYSTEM.**
- 8. SAFETY WORK PERMIT SYSTEM**
- 9. RESPIRATORY PROTECTION EQUIPMENTS.**
- 10. SAFETY IN CONVEYOR SYSTEM.**
- 11. NDT.**
- 12. STATIC ELECTRICITY.**
- 13. EXPLOSION AND BUCKLING.**
- 14. BURSTING, SAFETY VALVES  
AND RUPTURE DISC.**
- 15. SAFE USAGE OF DCD.**
- 16. HAZARDS DUE TO SAND/SHOT BLASTING.**
- 17. TRANSPORT EMERGENCY CARD.**
- 18. DOMESTIC SAFETY.**
- 19. ERGONOMICS.**
- 20. MINES ACT 1952.**

- 21.ELECTRICAL LC SYSTEM.**
- 22.COLOR CODING.**
- 23.MSDS.**
- 24.INDUSTRIAL NOISE.**
- 25.SAFETY IN BOILERS.**
- 26.SAILENT FEATURE ON BIO-MEDICAL WASTE.**
- 27.HAZARDS IN CHEMICAL INDUSTRIES.**
- 28.SAFETY IN MOBILE CRANES.**
- 29.EOT CRANE AND LIFTING TACKLES.**
- 30.SAFETY IN HYDROGEN PLANT.**
- 31.SAFETY IN FORKLIFT.**
- 32.THRESHOLD LIMIT VALUE.**
- 33.GAS DETECTOR.**
- 34.SAFETY IN CEMENT FACTORY.**
- 35.HAZARDS IN LEATHER FACTORY.**
- 36.SAFETY IN PORTS.**
- 37.HEINRICH THEORY.**
- 38.APPOINTMENT OF SAFETY OFFICERS AS PER FACTORY ACT 1948.**
- 39.SAFETY IN IRON/STEEL INDUSTRIES.**
- 40.SAFETY IN GLASS FACTORY.**

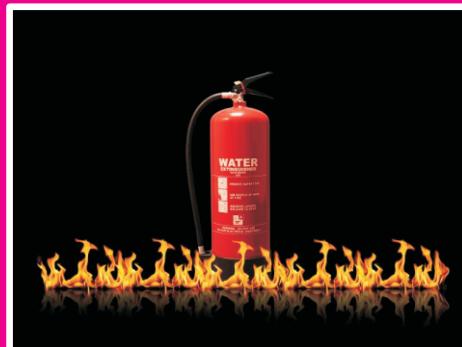
**COURSE DURATION 3 MONTHS TO 1 YEAR**

TOTAL FEES	1 <sup>st</sup> INSTALMENT	2 <sup>nd</sup> INSTALMENT	3 <sup>rd</sup> INSTALMENT
<b>Rs.37,500</b>	<b>Rs.12,500</b>	<b>Rs.12,500</b>	<b>Rs12,500</b>

# COURSE-8

**ADVANCED POST DIPLOMA IN FIRE, INDUSTRIAL AND ENVIRONMENT HEALTH SAFETY MANAGEMENT**  
(ON PAR WITH ME-SAFETY SYLLABUS) (TOTAL 200 TOPICS)  
(INCLUDING THE SYLLABUS UNDER COURSE 2 TO 7 (140 TOPICS))

1. BUILDING EVALUTION FOR FIRE AND SAETY.
2. OCCUPATIONAL SAFETY.
3. STATUTORY RULES AND REGULATIONS OF FIRE FIGHTING.
4. SAFETY IN NON-IONISING RADIATION.
5. ECONOMICS OF SAFETY.
6. HAZARDOUS AREA CLASSIFICATION (CHEMICAL PLANT IS 5571).
7. PLANT LAYOUT AND DESIGN.
8. PLANT MACHINE/EQUIPMENT/SHUTDOWN MAINTENANCE.
9. HIGH PRESSURE HAZARDS.
10. INDUSTRIAL HEAT AND EVALUTION.
11. THE PHYSICS OF NOISE AND COMMUNITY NOISE
12. PLANT SAFETY INSPECTION.
13. RISK MANAGEMENT.
14. BLEVE.
15. ENVIRONMENT SAFETY AND POLLUTION CONTROL.
16. TRANSPORTATION OF HAZARDOUS CHEMICALS.
17. TYPES OF ELECTRICAL EQUIPMENTS FOR SAFETY
18. ELECTRICAL SAFETY IN OVERLOADING- SHORTCIRCUIT AND EARTHING STANDARDS
19. VESSEL ENTRY.
20. SAFETY IN MINES.
21. SAFETY IN FERTILIZER FACTORY.
22. SAFETY IN THERMAL POWER STATION.
23. SAFETY IN ATOMIC POWER STATION.
24. SAFETY IN PAPER MILL.
25. SAFETY IN SUGAR MILL.
26. SAFETY IN TEXTILE MILL.
27. ILO CONVENTION AND RECOMMENDATIONS IN SAFETY, HEALTH, WELFARE.
28. CASE LAWS IN FACTORY ACT 1948.
29. EXPLOSIVE ACT 1984 AND EXPLOSIVE RULES 1983.
30. INDIAN ELECTRICITY RULES 1956.
31. PETROLEUM ACT/ 1976.



- 32.COMPRESSED GAS CYLINDER RULES-2004.  
 33.STATIC AND MOBILE PRESSURE VESSELS (UNFIRED) RULES 1981.  
 34.CONTRACT LABOUR ACT 1970  
 35.WATER PREVENTION AND CONTROL RULES 1975  
 36.ENVIRONMENT PROTECTION ACT 1986.  
 37.INDIAN BOILER ACT/RULES 1923/1950.  
 38.OSHAS-18001.  
 39.CRAIG-SINCLAIRS STUDY OF ACCIDENT COST AND THEIR RELATIONSHIP.  
 40.HAZOP STUDY.  
 41.JOB SAFETY ANALYSIS.  
 42.FAULT FREE ANALYSIS.  
 43.SAFETY AUDIT.  
 44.SAFETY AND PSYCHOLOGY.  
 45.APPLICATION OF SAFETY MOTIVATION THEORIES.  
 46.SAFETY PROMOTION AND PUBLICITY SYSTEM  
 47.OBJECTIVE OF SAFETY ORGANIZATION.  
 48.ACCEIDENT INVESTIGATION ANALYSIS.  
 49.FIRSTAID AND PERSONAL HYGIENE.  
 50.CASE STUDIES.  
 51.EVALUTION OF SAFETY PERFORMANCE.  
 52.LIST OF NOTIFIABLE DISEASES.  
 53.CHLORINE GAS INFORMATION.  
 54.ANHYDROUS AMMONIA INFORMATION.  
 55.MULTIPLE CAUSATION THOERY.  
 56.ELECTRICAL INSTALLATION  
     CLASIFICATION OF HAZARDOUS AREAS.  
 57.LIST OF IMPORTANT INDIAN STANDARDS ON SAFETY ANDHEALTH.  
 58.PROCEDURE FOR SAFE LOADING AND UNLOADING OF ROAD TANKERS CARRYING PETROLEUM LIQUIDS.  
 59.ROAD SAFETY RULES AND REGULATIONS.  
 60.ATMOSPHERE POLLUTION BY EXHAUST GASES OF VEHICLES.



**COURSE DURATION 3 MONTHS TO 1 YEAR**

TOTAL FEES	1 <sup>st</sup> INSTALMENT	2 <sup>nd</sup> INSTALMENT	3 <sup>rd</sup> INSTALMENT
<b>Rs.45,000</b>	<b>Rs.15,000</b>	<b>Rs.15,000</b>	<b>Rs15,000</b>

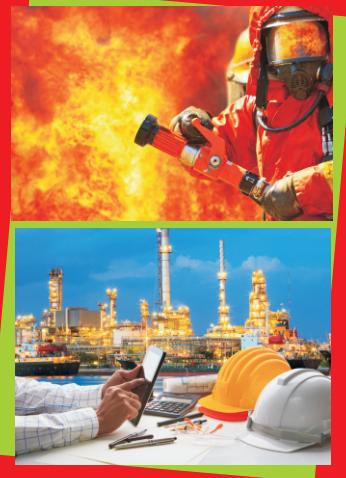
**தாங்குமிடம் வைசெம்**

**உயை வைசெம்**

# வெதுப்பாயிப்பு கிடைக்க கூடிய

## துறைகளில் சில:

விமான தளம், துறைமுகம், எண்ணெய் நிறுவனம், பொரோலிய நிறுவனங்கள், இரசாயன தொழிற்சாலை, டெக்ஸைடைல் தொழிற்சாலைகள் மற்றும் மிகப் பொருள் கட்டுமான நிறுவனங்கள் போன்ற துறைகளில்கொர்வாமான பதவிகளையும், அநிக சம்பளத்தையும், பொறுதலாம்.



Some Of The Positions Offered For Safety Professionals

- ✿ **Safety Engineer**
- ✿ **Safety Officer**
- ✿ **Safety Supervisor**
- ✿ **Safety Warden**
- ✿ **HSE Officers**
- ✿ **Fire Safety Auditor**
- ✿ **Fire Alarm Technician**
- ✿ **Design Engineer**
- ✿ **Fire Fighting Men**
- ✿ **Safety Manager**
- ✿ **Safety Inspector**
- ✿ **Safety Instructor**
- ✿ **Safety Checker**
- ✿ **HSE Assistant**
- ✿ **Fire Equipment Incharge**
- ✿ **Service Technician**
- ✿ **Estimation Engineer**
- Fire Protection**

எமது பயிற்சி நிறுவனத்தின் சிறப்பு ஊம்சங்கள்

- ✿ 35 வருட அனுபவமுள்ள ஆசிரியரிகளைக் கொண்டு வருப்புகள் நடத்தப்படுகிறது.
- ✿ குளிர்சாதன வசதியுடன் கூடிய வருப்பறைகள்
- ✿ முதலுதவி (FIRST AID) மற்றும் **அங்கீகார சானிறிதழ்** வழங்கப்படும்.
- ✿ மிக மிக குறைவான கஸ்விக் கட்டணம்
- ✿ பயிற்சி முடிவில் **மத்திய ஏரா சானிறிதழ்** வழங்கப்படும்.
- ✿ பயிற்சி முடிந்தவுடன் 100% உள்ளாடு மற்றும் வெளிநாடு வேதை வாய்ப்பில் உதவி செய்யப்படும்.
- ✿ SC/ST மாணவரிகளுக்கு கட்டண சலுகை உண்டு.
- ✿ தங்களது நண்பரிகளை பயிற்சியில் சேர அழைத்து வருபவரிகளுக்கு கட்டண சலுகை உண்டு.
- ✿ தங்களுமிடம் (ஹாஸ்டல்) உணவு வசதி உண்டு.