

**Skills2Succeed** in Collaboration with **Global Educational & Consulting Services**

**PRESENTS**

**WORKPLACE HEALTH, SAFETY, AND ENVIRONMENT  
A PRACTICAL PERSPECTIVE**

(Course Code ETJD002)

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**OBJECTIVE:**

To enhance participants' understanding of the legislation governing workplace health, safety and environmental issues and to provide knowledge and develop participants' skills in these areas

**DESCRIPTION:**

Workplace health, safety, and environment is the science and practice of anticipation, recognition, evaluation and control of health hazards arising from the work environment. It includes all aspects of health and safety in the workplace, ranging from physical injury, to biological and chemical hazards to on-the-job stress. This seminar begins with an examination of the workplace health, safety, and environmental legislation and how it currently operates. The scientific basis of workplace environment including relevant principles and concepts related to various health, safety, and environmental issues is examined. The seminar will enable the participants to gain an overall understanding of the establishment, functioning and maintenance of workplace health, safety, and environmental systems.

**BENEFITS TO PARTICIPANTS:**

**Find** out how legislation related to workplace health, safety, and environment impact your workplace  
**Learn** to minimize and resolve costly, time-consuming grievances on workplace related problems through understanding of workplace health, safety, and environmental issues  
**Avoid** the pitfalls and frustrations of health, safety and environmental regulations  
**Learn** methods to identify and improve workplace problems related to health, safety, and environment  
**Become** familiar with team approach for achieving projects goals  
**Discover** the value and importance of the management of workplace health, safety, and environmental programs  
**Evaluate** the trends in workplace health, safety, and environment

**WHO SHOULD ATTEND:**

Health & Safety personnel, industrial hygienists, facility operators, building owners, agents or managers, contract administrators, engineers, contractors, construction inspectors, construction managers in private sectors and government agencies, and other personnel seeking a better understanding of workplace health, safety and environment.

**PROGRAM OUTLINE:**

**8:30 IMPORTANCE OF HEALTH AND SAFETY**

- Moral Considerations
- Economic Considerations
- Legal Considerations

**THE STAKEHOLDERS**

- Governments
- Employers
- Employees
- Organized Labor
- Media

**BARRIERS TO IMPLEMENTATION  
HEALTH AND SAFETY PROFESSIONALS**

**9:30 HEALTH, SAFETY AND ENVIRONMENTAL LEGISLATION ACROSS CANADA**

- Scope of the Legislation
- Role of Major Players
- Workplace Hazardous Material Information System (WHMIS)
- Material Safety Data Sheets (MSDS)
- Environmental Legislation
- Transportation of Dangerous Goods

**10:15 COFFEE AND CONVERSATION**

**10:30 WORKPLACE ENVIRONMENT**

- Scientific, Technological, and General Information
  - Heat
  - Illumination
  - Vibration
  - Ergonomics
  - Noise
  - Electromagnetic Radiation
  - Industrial Toxicology
  - Types of Hazardous Materials
  - Classification of Toxic Substance by Action on the Body
  - Workplace Health Problems-Disease and Injuries

**11:15 WORKPLACE HEALTH CONTROLS**

- Heat
- Light
- Vibration

- Ergonomics
- Noise
- Radiation
- Disposal of Waste
- Biohazards

**12:00 LUNCH**

**1:00 WORKSHOP**

*Participants will meet in small groups to discuss and suggest the solution to the case study problem. A representative from each group will present the solutions to all participants. A discussion will follow.*

**2:15 CONTROL OF WORKPLACE ENVIRONMENT**

- Substitution
- Isolation
- Ventilation
- Education
- Personal Protective Devices
- Housekeeping

**2:45 COFFEE AND CONVERSATION**

**3:00 CONTRACT ADMINISTRATION AND  
OCCUPATIONAL HEALTH, SAFETY AND ENVIRONMENT PROTECTION**

- Legislation and Due diligence
- Elements of Due Diligence
- Environmental Requirements
- Occupational Health & Safety Act (OHSA)
- Defining Responsibilities
- Contracting for Services
- Contracting for Construction work
- OHSA – Incident Reporting
- Case Study

**3:45 MANAGEMENT OF WORKPLACE  
HEALTH, SAFETY AND ENVIRONMENTAL PROGRAMS**

- Discussion
- Organizing the OHSE Programs
- Objectives and Policies
- Assessment-Responsibility and Accountability
- Auditing the Program
- Education and Training

**4:15 TRENDS IN WORKPLACE HEALTH, SAFETY AND ENVIRONMENT**

Violence in the Workplace

Indoor Air Quality

Communicable Disease in the Workplace

Commitment to Occupational Health, Safety and Environment

**5:00 CONCLUDING REMARKS AND ADJOURNMENT**  
-----**SEMINAR LEADER:**

Rishi Kumar, P.Eng., PMP is a registered Professional Engineer and Project Management Professional with over 34 years experience in the field of Mechanical Engineering, specializing in portfolio and project management, construction management, indoor air quality, HVAC, ISO auditing/quality management and training and development. As a Vice President-Engineering, Procurement & Construction (EPC) division at Global Technologies and Manufacturing (GTM), Mr. Kumar was involved in major international infrastructure projects (railway, airport, apartment/hotel developments, etc.). Before joining GTM, Mr. Kumar served as a Director of Operations responsible for production, procurement, quality and logistics of AZZ-Blenkhorn and Sawle Ltd. plant located in Ontario. He successfully implemented lean-manufacturing and just-in-time concepts at this plant. He obtained his Master of Science in Mechanical Engineering from University of Calgary. He has held many senior positions in construction, manufacturing, utility, auto industry, research & development, and consulting sectors in program and portfolio management of various capital projects. He has authored and co-authored technical papers on variety of topics and has presented at numerous national and international conferences. Since 1996 Mr. Kumar has conducted numerous professional development courses, seminars (public and in-house) and workshops (approx. 375+) for various universities and professional organizations throughout Canada, USA, Europe and Central America.

Mr. Kumar is a Certified Quality Auditor and carried out several quality systems (technical, manufacturing and process) audits for ISO 9001 internationally. Mr. Kumar is an active participant in various professional boards and committees (PEO, PMP) since 1995 and also provides mentorship through various non-profit organizations in Ontario since 1994.

Rishi is the President and CEO of Global Educational and Consulting Services – a consulting firm specializing in developing and delivering quality training programs in engineering and management fields and providing mentoring services to not-for-profit organizations (Skills for Change, Acces Employment, etc) in Greater Toronto area of Ontario.

**COURSE MATERIAL:**

Each participant will receive a complete set of course notes and handouts that will serve as informative references.

**CONTINUING EDUCATION UNITS (CEUs):**

Each participant will receive a certificate of course completion indicating 0.7 CEUs. CEUs are universally recognized nationally and internationally. One CEU is equivalent to ten (10) professional development hours (PDHs).

**DATES AND TIMES:**

Dates: Wednesday, April 21, 2010.

Times: From 8:30 a.m. to 5:00 p.m. (Please arrive early).

When registering enter Course Code: ETJD002.

**LOCATION:**

Delta Toronto Airport West Hotel  
5444 Dixie Road,  
Mississauga, Ontario  
L4W 2L2

**OTHER:**

Dress comfortably and business casual. Arrive early. Parking available at hotel parking lot.

Each participant will receive transferable credits towards future courses, workshops and seminars.

For an effective and productive interaction to take place, this seminar has been restricted to a limited number of seats. Please register early to avoid any disappointment.

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Note: Skills2Succeed reserves the right to cancel a course, workshop or seminar, or change the location of the course, workshop or seminar at any time at its discretion, without any liability to the attendees exceeding the fees collected.