


Occupational Safety and Health

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- ☐ **Working as Associate Professor with 12.5 years of teaching experience.**
 - ☐ **Worked in Span Consultants Pvt. Ltd., for nearly one year in the area of Water supply and sanitation.**
 - ☐ **Completed one month Post Ph.D. research interaction at IIT Madras.**
 - ☐ **Research interests: Environmental Engineering, Nanoscience and Nanotechnology.**
 - ☐ **Skills: AutoCAD, MS Word and Excel, Mini Tab, Sewer CAD. Published the research work in *ASCE and Springer*. Interested to carry out higher level research.**
 - ☐ **Referee for Journal of Environmental Chemical Engineering, Construction and Building Materials (Science direct journal) and VTU Journal (IJSTEM).**

Learning Objectives

- ① Summarize the general provisions of the Occupational Safety and Health Act.
- ② Describe what management can do to create a safe work environment.
- ③ Cite the measures that should be taken to control and eliminate health hazards.
- ④ Describe the organizational services and programs for building better health.
- ⑤ Explain the role of employee assistance programs in HRM.
- ⑥ Describe methods for coping with stress.

Functions of OSHA

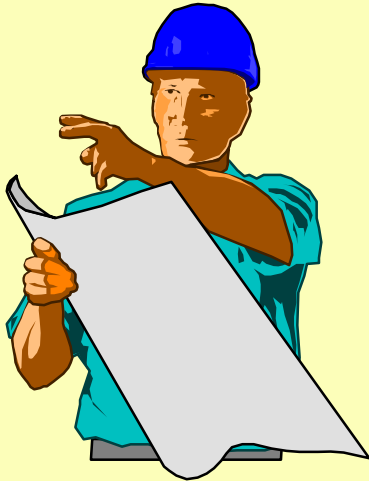
**Workplace
Inspections**

**Citations and
Penalties**

**On-Site
Consultation**

**Voluntary
Protection
Programs**

**Training and
Education**



Presentation Slide 12-1A

Functions of OSHA

- ◆ Encourage employers and employees to reduce workplace hazards and implement new or improve existing safety and health programs.
- ◆ Provide for research in occupational safety and health and develop innovative ways of dealing with problems.
- ◆ Establish responsibilities and rights for employers and employees for achievement of better safety and health.
- ◆ Maintain a reporting and recordkeeping system to monitor job-related injuries and illnesses.

Presentation Slide 12-1B

Functions of OSHA, cont.

- ◆ Establish training programs.
- ◆ Develop mandatory job safety and health standards and enforce them effectively.
- ◆ Provide for the development, analysis, evaluation, and the approval of state occupational safety and health programs.

WHAT IS ERGONOMICS?

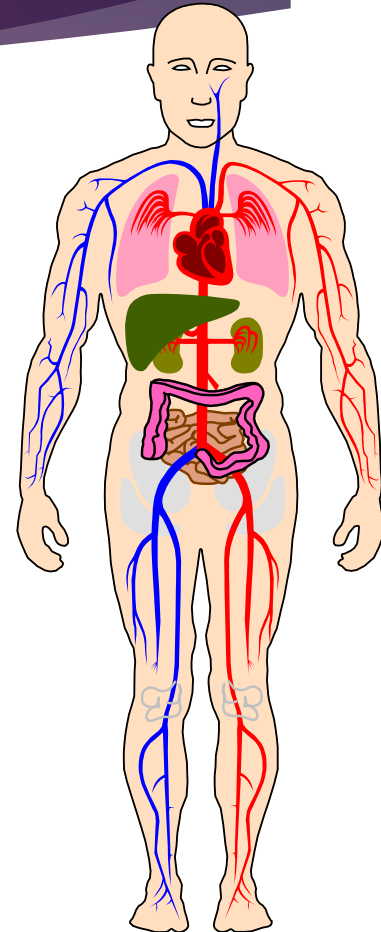
ERGONOMICS -

The study of the design of work in relation to the physiological and psychological capabilities of people (matching the work place to the worker.)

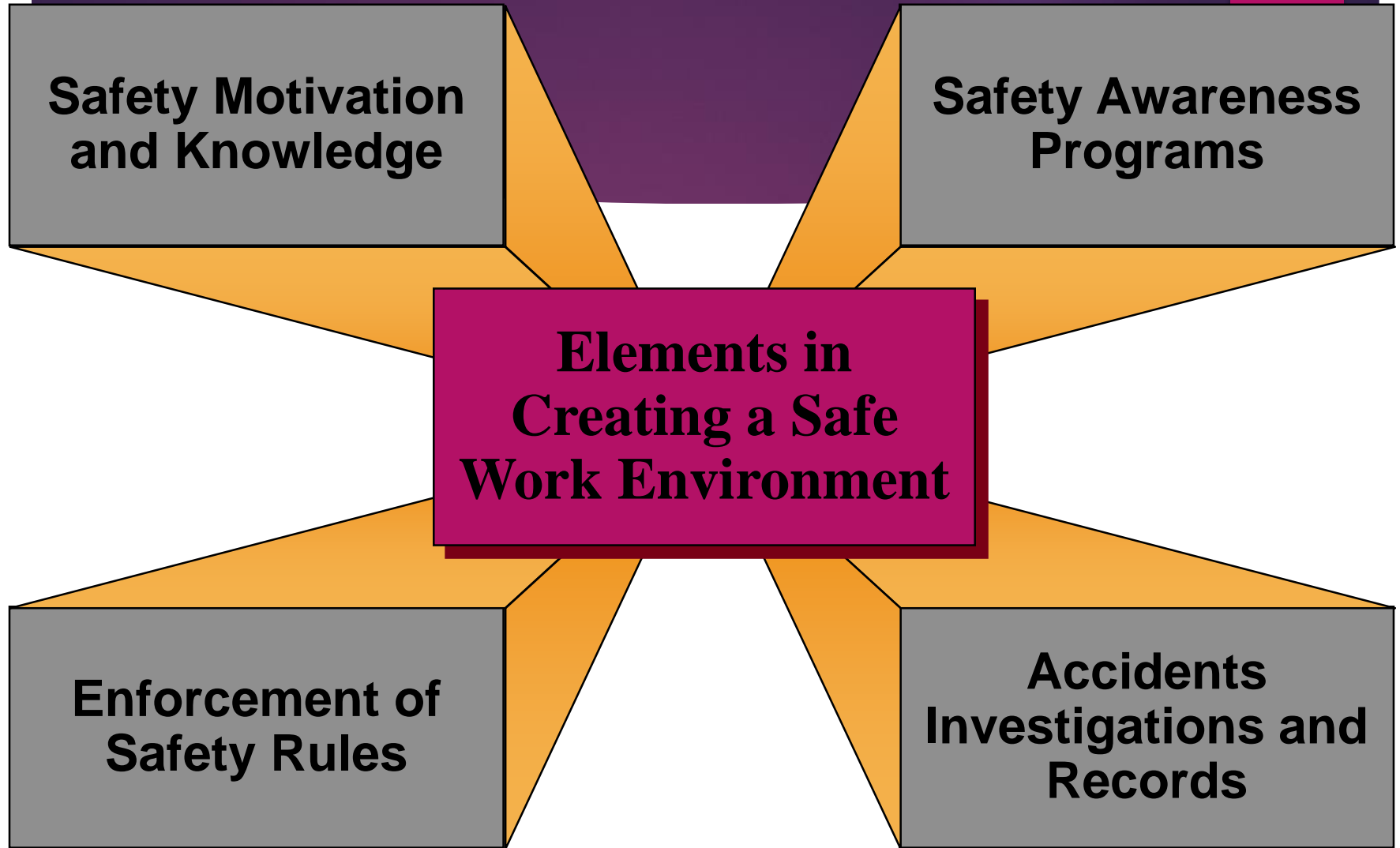


MORE FREQUENTLY OCCURRING OCCUPATIONALLY INDUCED DISORDERS:

- ▶ CARPAL TUNNEL SYNDROME
- ▶ TENDONITIS
- ▶ TENOSYNOVITIS (INFLAMMATION OF
 - ▶ TENDON SHEATH)
- ▶ SYNOVITIS (INFLAMMATION OF THE LUBRICATING FLUID OF THE JOINTS)
- ▶ STENOSING TENOSYNOVITIS OF THE FINGERS (INFLAMMATION OF TENDON SHEATH)
- ▶ LOW BACK PAIN



Creating a Safe Work Environment



Building Better Health

**Alternative
Approaches**

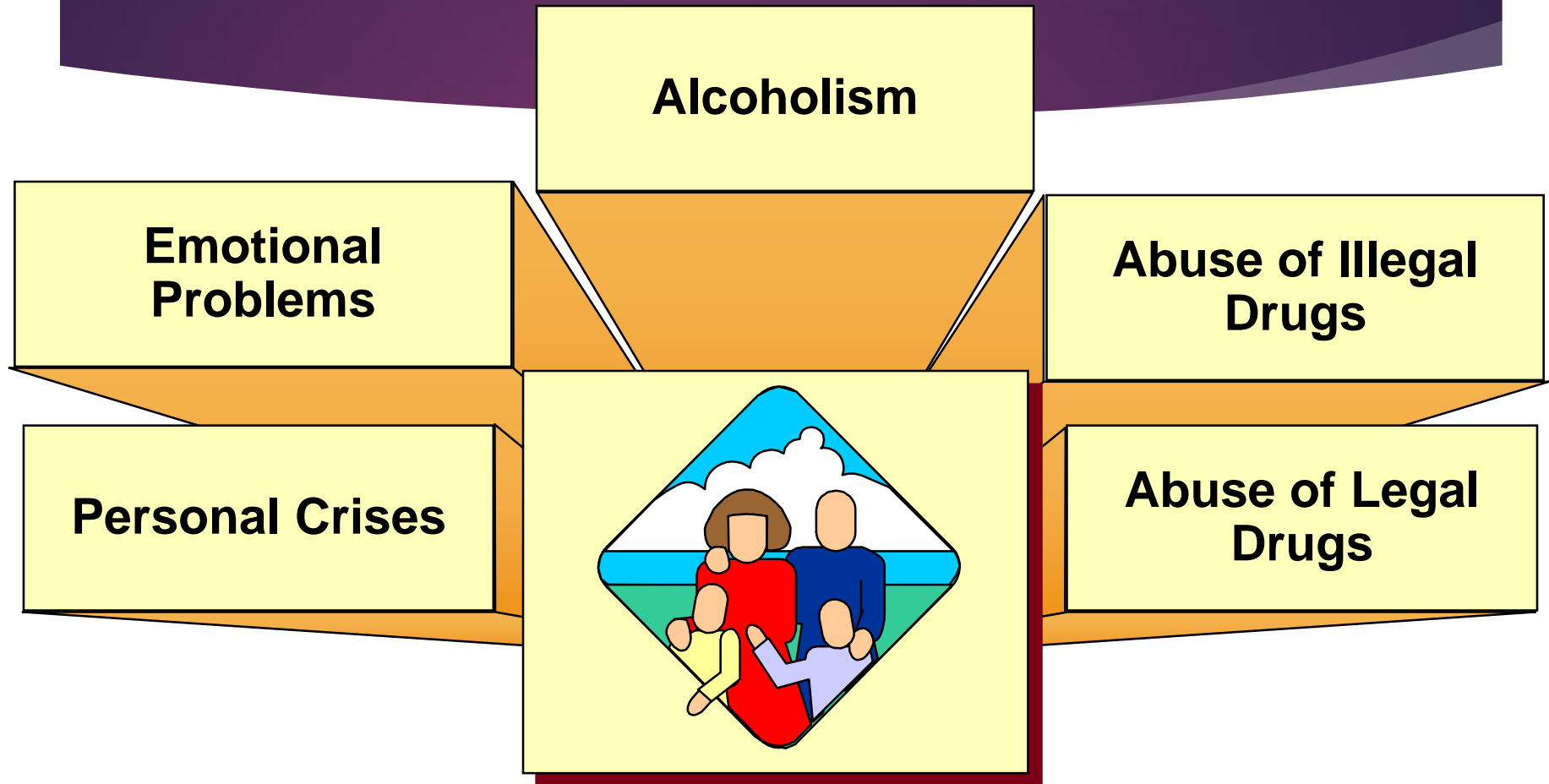
**Wellness
Programs**

Health Services

**Focus on
Nutrition**



Employee Assistance Programs



Stress Management

Document Outcomes

Evaluate Current Programs

Involve Top Management

Develop Diagnostic System

Formulate Strategy

**Positive
Steps in
Job-Related
Stress
Management**

PERSONAL PROTECTIVE EQUIPMENT



- ▶ This module covers the following sections:
 - ▶ General Requirements
 - ▶ Eye and Face Protection
 - ▶ Hearing Protection
 - ▶ Respirator Protection
 - ▶ Occupational Head Protection
 - ▶ Occupational Foot Protection
 - ▶ Hand Protection
 - ▶ Electrical Protective Devices
 - ▶ Safety Management.



😊 **THANK YOU** 😊