

ONE YEAR POST GRADUATE PROGRAMME IN HEALTH, SAFETY AND ENVIRONMENT MANAGEMENT

Introduction

National Institute of Construction Management and Research (NICMAR) initiated the Post Graduate Programme in Health Safety and Environment Management (HSEM) in 2003. The programme was jointly designed by National Safety Council and NICMAR and was conducted at the Hyderabad campus.

A survey conducted on employability skills audit has revealed that employers were not fully satisfied with the level of knowledge the graduates had regarding health and environment issues related to both construction and manufacturing industry. Hence, knowledge on safety, health and welfare, along with protection of the environment was considered essential. With this background, an exclusive post graduate programme in health, safety and environment management was designed.

India is one of the top industrialized nations of the world. Following the liberalisation policy by the Government of India, new industries and technologies are being developed. However, such a large-scale growth of Industries and Infrastructural development may lead to degradation of environment, if appropriate legislation relating to safety, health and environment is not implemented. Pollution of air, water and land due to development of infrastructural projects and industrial activities has adversely impacted the environment. The main reasons affecting the health of industrial and project workers are the usage of banned materials and chemicals and poor control and monitoring over the usage of technology.

To find out feasible and cost effective solutions to the above problems, there is a vital need of safety, health and environmental professionals in the country. This can be met by introducing academic programmes in the areas of safety, health and environment.

NICMAR being the industry sponsored institute realised the importance of the above issues and hence developed the post graduate programme in Health, Safety and Environment Management.

Objectives

The objective of this post graduate programme is to develop qualified and trained professionals to manage safety, health and environment issues in developmental and operating projects who will have the competency in:

- Managing the safety, health and environmental aspects with knowledge and expertise in health issues, safe handling of materials and machinery, safe work practices, standard operating procedures, and establish emergency action procedure.
- Compliance of all statutory obligations of the employer with regard to health and safety of personnel and structures, and security of environment.
- Guiding and assisting the site managers/ engineers to make their sites safe and accident free.
- Training the personnel in safety, undertaking safety surveys and designing suitable documents for recording and promoting safety at work places.
- Establishing the learning experience within the context of construction application and thus enabling the integration of theoretical knowledge with best industrial practice in health, safety, welfare and environmental sustainability.

Programme Highlights

This programme expands upon the theories and practical aspects used in cutting-edge health, safety and environmental management practices. The programme comprises courses like Construction Safety, Safety Management, Safety Legislation, Occupational Health, Environmental Management and Industrial Safety for developing sufficient knowledge to serve in the health, safety, and environment domain. Along with the specific domain-related courses, the programme offers knowledge to enhance communication skills and the latest trends like data analysis for safety management. This programme not only helps minimize the impact on the environment and improve worker safety and well-being but also can improve employee retention and productivity and enhance the company's brand image spurring customer and corporate growth. A host of pedagogical approaches, such as case studies, lectures, group, and individual exercises, etc., enrich the programme delivery. Site visits are organized as and when required. Every student will also have the chance to complete a project that is associated with the health, safety, and environmental management domain.

Duration

The programme duration is of one year and is organised into two semesters of 18- 21 weeks each. The final project work will be done during the second semester.

Eligibility

Regular bachelor's degree in Engineering in any discipline with minimum 50% aggregate marks from a recognised Institution/ University.