

Capacity Building Program for Nuclear R&D Personnel at KAERI

H. Hwang¹, Y. Jin¹, E. Song¹, H. Ko¹, E. Lee¹, E. Jang¹, and S. Lee¹

¹*Korea Atomic Energy Research Institute (KAERI), Daejeon, Republic of Korea*

Corresponding Author: H. Hwang, hyeseon@kaeri.re.kr

The Nuclear Training and Education Center (NTC) at the Korea Atomic Energy Research Institute (KAERI) has established a capacity-based education and training system for research and development (R&D) personnel and offers more than 40 training programmes a year. This paper introduces KAERI's capacity-based education and training system, and shares experiences gained from the operating cycle. In addition, it describes the development of the professional capacity building program, which incorporates the institute's key technological strengths. KAERI, which conducts comprehensive research in nuclear technology, consists of professionals in various fields, with R&D personnel accounting for 82% of its employees. In consideration of this unique feature, the institute has developed a capacity building programme for nuclear R&D personnel. To reflect the organizational diversity and interdisciplinary requirements of each division and department, the various fields of nuclear R&D were divided into 16 modules, each of which was developed into a training course. This module-based training programme can be integrated into domestic training programmes for industrial technology personnel and international training courses for nuclear-related professionals in developing countries.