**6.2.1 The institutional Strategic plan is effectively deployed.**

One of the elements of the strategic plan of HBNI is to introduce additional academic programs focused on skill and professional development. HBNI endeavors to create and organize courses and programs that meet growing requirements of nuclear science and engineering and their applications for the benefit of the country. These programs benefit not only employees of DAE units, but also the practicing professionals in industries and other institutions. HBNI has also initiated important professional and skill-based programs and strengthened on-going professional courses. Some examples of the professional courses introduced by HBNI are given below:

* Introduction of MSc (Radiopharmacy) course: The course is introduced in TMC, which is a skill-based course and provides opportunities to the students to develop knowledge, understanding and skills in principles and practice of radiopharmaceutical science and equips them to work as a radiopharmaceutical scientist.
* Introduction of MSc (Clinical Research) course: The course is introduced at TMC with a goal to build capacity for trained clinical research personnel by equipping them with class room training and hands on training in the principles of good clinical practice regulations and guidelines and to excel in the current dynamic research environment.
* Introduction of MSc (Occupational Therapy in Oncology) course: The primary focus of this course introduced at TMC is to gain advanced clinical practice in oncology care and acquire insight and experience regarding occupational therapy’s role in the oncology setting, and demonstrate competency in clinical care for those undergoing cancer treatment.
* Introduction of MSc (Public Health and Epidemiology) course: This course is introduced at TMC and aims to familiarize the students to all the fields of public health and provide basic understanding of the principles and methods of public health epidemiology.
* Introduction of MSc (Nuclear Medicine and Medical Imaging) course: This course is aimed to learn the fundamental physics and chemistry required in required in nuclear medicine and imparts knowledge on basic biology concepts like immunology and biochemistry required in the field of nuclear medicines.
* Introduction of MSc (Medical and Radiological Physics) course: The goal of the M.Sc. program is to impart the knowledge needed to work in the field of medical physics. The program prepares students for research or clinical training in this rapidly changing field by relying on a solid foundation in fundamental science and clinical practice through hands-on instruction with equipment used frequently in hospitals. Students also receive training in computer-based modelling, research methodology, and the ethical issues related to medical research.

The above mentioned courses are unique courses of high value, available only in a few Universities in the country. HBNI will continue its endeavour to identify and offer more such skill-based and professional courses for the benefit of the society and country.