



Implementing an Aging Management Programme for the TRIGA Research Reactor

Under this IAEA TC project, I completed a two month training programme (1 August to 30 September 2014) at the Nuclear Engineering Teaching Laboratory (NETL) at the University of Texas at Austin. The training programme included lectures, practical training and tours at different facilities related to my training. During this period I also attended the annual conference for National Organization of Test Research and Training Reactor (TRTR) from August 3-8, 2014 in Portland, Oregon, USA where I learned present activities of test and training reactor.

During this training, I learned different techniques to operate, calibrate and maintain the digital control system of a research reactor. I learned how to calibrate different types of sensors (TC, RTD, pressure, flow, etc.) and about reactor power calibration, control rod worth measurement, fuel inspection and movement, reactor operation with square wave and pulse, health physics survey and radiation measuring equipment calibration. I also learned the fuel & control rod inspection procedure, maintenance of control rod drive mechanism, nuclear channel calibration, fuel burn up calculation, etc.



I shall share all the experience and knowledge acquired with my coworkers and fellows. I expect that this experience will help me enormously in handling the BAEC TRIGA MK-II research reactor.

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PROJECT BGD-13022

8/1/2014 — 9/30/2014