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Nuclear Education & Training - Showcasing the Best Practices of the United Kingdom and France

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Skilled, competent and sufficient human resources is fundamental for the safe and successful implementation and expansion of a nuclear power programme (NPP) .

As nuclear education and training (E&T) stakeholders deliberate and discuss to identify suitable syllabus and courses to offer for education and training to support NPP, it is critical that the nuclear fuel cycle as well as the nuclear power value-chain is taken into consideration in the selection and introduction of relevant courses by Universities and Institutions to nurture and educate skilled manpower for the nuclear power industry.

This paper strives to share with the education and training stakeholders, that the task of educating and training students is not solely to prepare them to work in a nuclear power plant, but importantly also to train human resources to support other organizations that require skilled and competent personnel in nuclear related field including Government agencies and Ministries, Business and Industry, Financial sector, International agencies and media agencies, amongst others.

Additionally this paper aims to dovetail that a critical mass of skilled manpower along the entire value-chain or scope of nuclear power sector covering planning, construction, manufacturing , commissioning, operation and maintenance and decommissioning must be trained to implement the related tasks required to support NPP competently.

Thus, it is within this context , that this paper will outline best practices in nuclear education and training offered by the United Kingdom and France which trains students, professionals, technicians as well as craftsmen not only for employment in a nuclear power plant but also for supporting the nuclear policy formulation in Government Agencies and for supporting nuclear power industry sectors including engineering , construction , manufacturing and services.

This paper will offer recommendations for enhancing cooperation in nuclear education and training aimed at building synergy amongst the international member countries.

Country or International Organization

Malaysia

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