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Engineering Physics : Bridging Basic Sciences Based R&D And Technology Developments And Adaptation.

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Most of the newer emerging technologies have their origin well rooted in the Basic Sciences driven RD; and therefore requires specialized skills for their adaptations. Engineering Physics is the area that addresses to this gap.

A post-M.Sc. program has been designed, implemented to bridge the gap between research in Basic Sciences, in particular, with physics and mathematics with the latest emerging technologies and it's industrial impact. The curriculum has been designed to acquire skills for critical R&D input to some of the areas like Nano-Technology, Material Sciences for PV Engineering applications, Sensors Bio-medical applications, Nuclear Technologies for civilian purposes, computer science based industries, etc. The program is expected to produce experts with requisite on-hand specialized skills to undertake the Basic Sciences based R&D leading to industrial products for commercial applications in identified areas. The model has been analysed including it' s impact. Some of the future guidelines have been identified and discussed.

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