



# Institute Seminar

**2 December 2016**

**16:00 hrs.**

**Fermion**

**Speaker:**

**Prof. Debasis Bhattacharyya**

*Principal, NRS Medical College, Kolkata*

**Title:**

**Marriage of Health and Technology may produce Amazing Results**

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**Abstract:**

Medicine is both an art and science. Millions of observations over the ages have moulded the ways we practice medicine today. There exists an invisible wall between the basic science researchers and the clinicians. The marriage between medicine and technology is the need of the hour to face the global health challenges. Even after seventy years of independence, we have tried to emulate a very expensive healthcare delivery system which is not necessarily the best in the world. It is high time we try to innovate to make healthcare affordable and accessible at the grass root level. As a proof of concept, the speaker would share his own experience of developing a DEVSCOPE after realizing the unmet need in clinical practice. While developing the prototype, the inventor realised the importance of bedside to bench crosstalk. After a prototype is developed, the challenge remains in validating the technique in a real life scenario. If the validation is successful, then the scaling up strategy may dampen the spirit of the researcher. The academia industry partnership needs to evolve on a positive note with complete faith and trust. The discussion would try to stimulate the researching minds to work together with the clinicians grappling to tackle the almost depressing task of managing the diseased. Technological advancement would be as good as nonexistent, if it can't keep the humans in a state of complete physical and mental health. The speaker would like to understand the technologies already developed at the institute and then discuss the implementation strategies for bench to bedside evolution. It would be great if collaborative research can pave way for a healthy India.

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