

VECC Colloquium

Variable Energy Cyclotron Centre, Kolkata

Date: 17.04.2015

-Speaker-

Dr. B. N. Jagatap
Distinguished Scientist & Director, Chemistry Group, BARC, Mumbai

-Topic-

**Basic Research and Technology Development : Exploring the
Complex Relationship**

-on-

May 06, 2015 (Wednesday)

-at-

11:30 AM

-at-

**Ajay Divatia Lecture Hall
VECC, Kolkata**

All are cordially invited

T. K. Bhaumik.
17/04/2015
(T. K. Bhaumik)
Colloquium Secretary

***Abstract:** Post World War II, there has been a lively discussion on the relationship between basic sciences and applied sciences. Here the basic science is defined generally as the pursuit of knowledge for knowledge sake without any applications, whereas the applied science signifies the scientific process to solve practical problems for social benefits. The complex relationship between these two facets of scientific research is traditionally discussed in terms of a linear (one-dimensional) model [1] wherein it is believed that the developments in basic sciences inevitably feed into applied sciences and technology generation. There also exists an alternate viewpoint (two-dimensional model) [2], which argues that the pursuit of science has two simultaneous objectives: expansion of knowledge together with its applications for betterment of human life. This perspective removes the artificial compartmentalization between basic and applied sciences, and thus provides an integrated picture of the science and technology eco-system.*

In this talk we discuss these two models with examples from the history of Science & Technology, and analyze the inherent assumptions and issues involved therein. Finally we attempt to discuss the applicability of these models in Indian context [3].

-----*** As a part of the Diamond Jubilee Celebrations of Department of Atomic Energy *** -----

Note: Tea / coffee will be served from 11:00 AM onwards.

भारत सरकार, परमाणु ऊर्जा विभाग, परिवर्ती ऊर्जा साइकलोट्रॉन केंद्र, 1/ए. एफ. बिधान नगर, कोलकाता - 700064.
Government of India, Department of Atomic Energy, Variable Energy Cyclotron Centre, 1/AF Bidhan
Nagar, Kolkata - 700064, India, Telephone : +91 33 2318 2201, Fax : +91 33 2334 6871, Homepage :
<http://www.vecc.gov.in>