



Technical Session III : Presentation- 7

Role of VET with Rural Transformation

Dr. B. K. Dutta

ABSTRACT

Vivekanand Institute Bio Technology has been working in Sundarban, an ecosystem for last more than last to decades. Sundarbans, where mangroves as well as fresh water environment exist together. This is a unique ecosystem with huge natural resources. Some of the resources are common to all places while some are of its kind of this region only. The Institute initiated the program on Bio-fertilizer Technology 29 years back, aiming at technology development and demonstration. manuals were prepared and training methodology was designed and was finally tested in the field. Few interesting points that could be noted for achieving success, competence, the quality or method of training, understanding the market potentiality and finally the continuous support to the skilled persons.

The skill development training program on biofertilizer technology initiated in 1997 has evolved over the years and now we have introduced one year PG Diploma program on " Bio-Fertilizer Technology" in affiliation with Calcutta University. It is pertinent to say that to make the TVET a successful endeavour, we need to think of convergence and of multi-skill programs. Against this background, we propose to develop an Integrated SMART (Sustainable Model for Appropriate use of Resources and Resilient Technologies) Villages for rural transformation in especially response to sustainable development goals using TVET Skill seco-system as a driver of change.

Keywords: Rural Transformation, Bio-Fertilizer Technology, Integrated SMART Villages

BRIEF CV

Dr. B. K. Datta was born in 1955 in Kolkata and his early education was in a village of West Bengal. After completing Post Graduation in Botany from Burdwan University (W.B.) in first division, he joined his research career under the guidance of Prof Pranjit Sarma, the famous algologist. He completed his Ph.D. in marine algae from the Central Salt and Marine Chemicals Research Institute, Bhavnagar. He spent major formative years in the CSIR lab and worked with Prof G. Padmanabhan for a brief period at IISc, Bangalore. In 1994, he joined Vivekananda Institute of Biotechnology (VIB) as the leader of a small group of researchers.

He has visited National Centre for Genetic Engineering & Biotechnology, Bangkok; IRRI Phillippines; Agricultural Research Organization, Volcani Center, Tel Aviv, Israel; Arava Research and Development Center at Yotvata, Israel; Institutes in Shangai, China to see their work on technology transfer to rural areas. He has also visited institutes and organizations in Belgium (Technifutur, Skills belgium and Agoria), Germany (Berufskolleg Bonn Duisdorf -VET College, UNESCO-UNEVOC International Centre, Wuppertal Institute for Climate, Environment and Energy and France (Lycee DIDEROT Paris).

He has to his credit about 32 research papers and 7 manuals. He is recipient of Swarna Jayanti Samman from ABVP on its 50th year celebration. He has coordinated the implementation of about eighty (80) projects till date, sponsored by agencies like DST, DBT, Govt. of India; UNDP, UNIDO, EU, World Bank, Tata Trust and various State Government.