

VIVEKANANDA INTERNATIONAL UNIVERSITY
SCHOOL OF ENGINEERING AND TECHNOLOGY
(Following the policies of AICTE)

TO BE NAMED

**INTERNATIONAL INSTITUTE OF INNOVATION
AND TECHNOLOGY**

Technical Education & Industry Scenario

Government of West Bengal has taken various initiatives over the last few years to establish Technical Education Institutes to enrich the reservoir of skilled and talented manpower and to ensure uninterrupted and smooth flow of manpower which is a basic requirement to attract major industries in West Bengal. Government has already established more than 130 Private Engineering and Management Institutes in addition to the leading existing Government Institutes in West Bengal.

Keeping in view the changing scenario of the country's educational system, we would like to focus on diversification. In this context, our first attempt is to introduce the AICTE approved courses in engineering and technology. The Society also desires to facilitate the emergence of the country as an economic super power and as such, wishes to add to the pool of managerial manpower of the country by setting up a state-of-the art engineering, technology and management programme to provide quality education to the aspiring students who, with support and guidance from highly qualified and experienced professors of the university, will be prepared to become competent scientists, engineers, managers and entrepreneurs. Such managers coming out of VIU, will, in their respective field of excellence, serve the industry, and make significant and meaningful contributions to industrial and commercial growth of the Nation and will lead the Nation to a path of growth and prosperity. The Society believes in the intellectual capability of Indian students and feels that they must not be denied opportunities to transform themselves into agents for heralding improvement in the quality of life in the country.

OBJECTIVES AND SCOPE OF THE PROPOSED INSTITUTION

Objectives of the International Institute

The Institute has a clear vision and objective, in the quest for being an outstanding centre for learning and development of human resource, which is conducive to the fast changing national and international scenario. It shall adhere to consistent policy to recruit highly qualified faculty specializing in various disciplines of engineering technology and management.

The Institute shall be committed to develop as a value and need based quality education provider in India and the state of West Bengal in particular. Its ultimate goal is to produce qualified and competent manpower responsive to the changing needs of the society at the national and international levels. It seeks to stimulate and promote activities to strengthen professional competency of the students and faculty through: -

- a) Creating an environment conducive to learning and translating ideas into actions for faculty, staff and working professionals.
- b) Research and development.
- c) Continuous innovation of methods of learning, teaching as well as research and development.
- d) Promotion of Institute - Industry - Govt. interface.
- e) Serve as a centre for generation and exchange of ideas among students, teachers, research organization and the state Govt. so as to promote entrepreneurial culture among students and to assist them through expertise available in the other institutions.

Plan schemes and methods for effective periodic evaluation of performance of projects, faculties, staff and students, internal evaluation through academic and administration audit committees.

Take steps for facilitating appropriate environment in the institutions of education to achieve harmonious relationship among teachers, students and staff.

With the world moving towards the knowledge-based society, the importance of the "knowledge" has increased everywhere. The rich - poor divide, may as a consequence be turned to knowledge rich and knowledge poor society. In such a situation, the Institute has a vital role to play in disseminating knowledge among the student community. The Institute will try to its best to produce quality manpower. The institute shall promote strong link between its essential cultural values reflected in study of Engineering and Management. The Institute shall seek to inculcate amongst its students a strong sense of pride in India's extraordinary heritage and rich cultural values and ethics.

General and Technical Education Scenario of the State

Government of West Bengal has taken various initiatives over the last few years to establish Technical Education Institutes to enrich the reservoir of skilled and talented manpower and to ensure uninterrupted and smooth flow of manpower which is a basic requirement to attract major industries in West Bengal. Government has already established more than 100 Private Engineering and Management Institutes in addition to the leading existing Government Institutes in West Bengal.

Status at Entry Level

With the average annual addition of 169 B-schools for the last six years In India and approximately 3.5 Lac students appearing for the Common Admission Test 2008 and various regional entrance examinations to fill up the seats available in over 2000 Management Institutes in India and over 47 institutes in the state constituting around only 2.9% of the per capita seat per lakh population, the demand of quality management education from AICTE approved institutes is there in the State.

Status of Technical Level manpower

Currently 61,000 professionals are working in different IT companies in West Bengal. By 2010 it is likely to grow to 1.75 lakh in IT and 2.40 lakh professional in ITES sectors. Tata Motors, Jindal Steel, Reliance groups, Salem Groups are coming in big way in West Bengal to start operation. Hardware & Networking, Telecommunication Industries are also growing in a rapid pace. Xenitis has started manufacturing PCs in collaboration with the Chinese Counterpart. Simoco has started manufacturing mobile phones in the states. So there is huge requirement of Technical Manpower every year and the demand is increasing steadily each year. WBIDC is actively engaged in catalysing investment through promotion/marketing of West Bengal as an investment destination, assisting in the implementation of projects through its 'Single Window Facility' called the 'State Investment Facilitation Centre' (SIFC). Since initiation of industrial boom in West Bengal, requirement of MBA professionals have increased to a great extent. So there is a need to set up quality management institute to impart management education and cater to the needs of the industry.

Industrial Scenario of the State

There has been significant improvement in IT and ITeS sectors in West Bengal. Major players are Wipro, TCS, Cognizant and other foreign companies have shown interest in setting up facilities in West Bengal. All the IT majors are in West Bengal today. During last five years West Bengal has experienced cumulative growth of 119 percent against a national average 36 percent. By 2010 the state wants to contribute 15 percent of the country's total IT revenues and 20 percent of the ITeS revenue from the current share of 5.1 percent. West Bengal offers a variety of advantages to the IT and ITES sectors. Other Engineering sectors are also growing in a rapid pace. Tata Motors, Jindal Steel, Reliance Groups are coming in a big way in West Bengal to start operation. Hardware & Networking, Telecommunication Industries are also growing in a rapid pace. In order to facilitate planned industrial development, some industrial parks have already been developed by State Government such as Kolkata Leather Complex, Shilpangan in Salt Lake for light engineering goods, Manikanchan SEZ in Salt Lake for gems and jewellery units, Plasto-Steel park in Barjora, Bankura etc. More such parks are being planned by C & I department and MSE & T department. Besides this, Government is also developing small industrial clusters in all districts of the state to meet the requirements of SME sector and create employment opportunities in all districts.

Demand of the Engineering and Technology education is ever increasing, despite the recent meltdown in economic environment of the whole world. However, it is interesting to note that trend is changing and the economy is reviving at a faster pace. Accordingly, more need and consequently demand for the management education will arise. With further industrialization of the state the demand is certainly to be accelerated. As the demand is increasing at a phenomenon rate during the last five years and multinationals have already started coming to the state, it is

therefore can be assumed that there is a bigger scope for the pass outs of the proposed institution.

Phase-wise Introduction of Programs & Intake - Future courses

Year	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019
	300	300	300	300	300

Target Date for Start of Academic Programs Month of July 2014

1st Bach intake will be from Academic Year 2014-2015

Central Computing facility

The computer accessibility shall be via the computer centers in the institutional building. The students shall be allowed to access to the computers on the basis of level and requirement. Facility will remain available from 9 am till 10 pm.

Central Library

The Central Library will allow the students to avail of the facility of studying the books within hall. The Library will be stocked with Journals and Magazines, Newspapers, Films and Videos and DVDs, both National and International volumes of books etc. The Central Library will allow the students to avail the facility of studying the books within hall. The Library will be stocked with Journals and Magazines, both National and International and volumes of books etc. Total fund outlay is estimated to be Rs. 1.00 Crore in 2014-15 and Rs. 50 lakhs in each year, 2015-2016, 2016-2017, 2017-18, 2018-19. The library shall have the facility of photocopy machine also.

QUALITY AND HUMAN RESOURCE DEVELOPMENT

Academic Values

The quality of the Institute is measured not only by the infrastructures but the quality of the Faculties and Technical staffs. Institute has identified strategies to attract and retain the bright faculties available in the eastern region.

Recruitment, Strategies for attracting and Retention of Faculty Personnel for Excellence, Promotional Avenues, Career Ladder

The proposed university will attract and retain bright faculties by providing them all kind of benefits such as:

- 1) Scale as per AICTE and UGC Norms
- 2) All other permissible benefits
- 3) Additional allowances to be given to the faculties interested to execute projects towards the Research and Development

Policies for Teaching and Non-teaching Staff Development

Institute will provide all kind of possible benefits and additional incentives to the Staff interested putting effort towards uplifting the Institute

- a) Special allowance/incentive to be given to the faculties interested for higher studies.
- b) Additional allowances to be given to the faculties interested to execute projects towards Research & Development.

Permanent and Contract Services for Teaching, Non-teaching and other support personnel
Institute will maintain balance between the permanent and Contractual Services for Teaching, Non-teaching and other support Personnel.

LINKAGES IN TECHNICAL EDUCATION

Ramakrishna Vivekananda Mission, is already well known to local Industries, Entrepreneurs and NGOs who previously render their generous support by providing our students different need based internship, projects and employment opportunities. It is worthy to mention that Barrackpore, the Head Quarters of Ramakrishna Vivekananda Mission, is already established as an Industrial Hub and Kolkata is the nearest Regional Head Quarters of almost all business houses. Former President of India Dr. A.P.J. Abdul Kalam visited the Mission on 21st January, 2003 and Hon'ble Governor of West Bengal, Shri Gopal Krishna Gandhi formally opened Swami Vivekananda College of Education in 2005 in presence of the then State Minister of Higher Education, Mr. Satyasadhan Chakraborty. The Mission has got strong linkages with industry professionals and academicians of Calcutta, Burdwan and Kalyani Universities. Hon'ble Consul General of USA and Germany have also made visits to the Mission.

The following corporate and government departments already visited our campus in connection with several Academic - Industry interface programmes in collaboration with Visva-Bharati University.

Linkages with Industry

Following is the list of organizations who have extended their support to Ramakrishna Vivekananda Mission:

- 1 Ministry of Rural Devp. & Social Welfare
Govt. of India & Govt. of W.B.
- 2 Local Municipality
- 3 State Bank of India, Kolkata
- 4 SAIL
- 5 IDBI Ltd.,
- 6 IFFCO Ltd. , Kolkata
- 7 NTPC Ltd.,
- 8 HCL Infosystem Ltd., Kolkata
- 9 WIPRO, Kolkata

- 10 National Insurance Company, Kolkata
- 11 Reliance Industries Ltd. , Kolkata
- 12 Grasim Industries Ltd., Kolkata
- 13 HDFC Standard Life Insurance, Kolkata
- 14 HCL Infosystem Ltd., Kolkata
- 15 State Bank of India, Kolkata
- 16 ONGC Ltd.,
- 17 Vedika Software Ltd., Kolkata
- 18 Dabur India Ltd., Kolkata
- 19 SERV-O-FIN (P) Ltd., Kolkata
- 20 Sudha Diary,
- 21 Wipro Infotech Ltd., Kolkata
- 22 MMTC Ltd.,
- 23 Tata Steel (P) Ltd., Kolkata
- 24 Garden Reach Shipbuilders, Kolkata
- 25 Exide Industries Ltd., Kolkata
- 26 Airport Authority of India, Kolkata
- 27 ITC Ltd.,
- 28 Tata Steel (P) Ltd., Kolkata
- 29 Metro Diary, Kolkata
- 30 Nevaeh Technology Pvt. Ltd. Kolkata
- 31 Local Panchayat & Zila Parishad
- 32 Karvy Stock B (P) Ltd. , Kolkata
- 33 DIC India Ltd. , Kolkata

Linkages with the Community

Ramakrishna Vivekananda Mission undertakes various social activities like free of cost welfare homes, Integrated Child Development Schemes, non-formal schools for development of slum children etc. The Mission is well-known for such social activities in the local community as well as in all parts of India and even in various countries of the world.

Linkages with other Technical Institutions in the region

The Institute practices to have collaborative programmes such as FDPs, EDPs, faculty exchange programme etc. so as to share / gain knowledge base and establish a strong linkage with the other technical institutions.

Linkages with institutions of excellence such as the IITs and IISc.

The institute brings in intellectual capital from the leading institutions of the country. It strongly supports the idea of exchange of faculty with leading institutions like IITs, Jadavpur University, Calcutta University and other institutions.

Linkages Abroad

To upgrade its academic curriculum, the institute envisages to have collaborative arrangements for exchange of faculty and to conduct international workshops/seminars with foreign Universities.