

## ANNEXURE: 10

### **Future Plans for Starting New Courses at Belur Main Campus and other 'Off-Campus' Centres of the University:**

This University, created as a humble attempt to actualize Swami Vivekananda's educational vision, always looks at future expansion in terms of new Courses or new Departments in the light of Swami Vivekananda's vision of which one vital component was a harmonious blending of the best elements of the East and the West. From this angle of vision, the following new Departments and new Courses have just begun/about to begin in the areas given below.

#### Under the School of Indian Heritage:

- (i) Department of Classical Music with special emphasis on Dhrupad
- (ii) Department of Sports Science and Yoga
- (iii) Department of Homeopathic Studies and Research
- (iv) Department of Ayurvedic Studies and Research  
[These two Departments (iii) and (iv) above will complement the recently started Department of Yoga Studies and Research.  
These three Departments together will be subsumed into a 'Centre of Excellence in AYUSH' to be supported by the Ministry of AYUSH, Government of India]
- (v) Department of Ancient Indian Science Heritage
- (vi) Department of Ancient Indian History and Culture
- (vii) Department of Comparative Philosophy and Religion
- (viii) Department of Comparative Linguistics with special emphasis on Sanskrit and Indo-European languages  
Postgraduate Courses and Research will be conducted in the above.

#### Under the School of Humanities and Social Sciences:

M.Phil. and Ph.D. programmes in Translation Studies in joint collaboration with Visva-Bharati, the only Central University in West Bengal, for which a Memorandum of Understanding (MoU) has been signed between the University and Visva-Bharati.

#### Under the School of Mathematical Sciences:

Department of Data Science  
(involving Statistics, Mathematics, Econometrics and Computer Science)  
M.Sc. in Big Data Analytics will be started from the session 2016-17 with active support from and collaboration with Tata Consultancy Services.  
A new 'Research Centre for Algorithms' is proposed to be started under the Department of Computer Science.

Under the School of Environment and Disaster Management:

M.Sc. in Environment and Disaster Management

(Ph.D. programme is already being conducted)

Under the Department of Sports Science:

Course on 'Playground Development & Management'

Research programmes in the area of scientific study of the movement of the disabled ('mobility science')

A new School of Biological Sciences will be started from the session 2016-17, mainly devoted to research in various emerging areas of Biological Sciences and will operate from the existing 'Off-Campus' Centre at Narendrapur, wherein cancer research involving Ayurvedic ingredients is being taken up.

The projected 'Off-Campus' Centre at the 'Vivekananda Research Centre' located in Vivekananda College, Chennai, comprising 'Vivekananda Institute of Tropical Mycology (VINSTROM)' and 'Vivekananda Institute of Algal Technology (VIAT)'. VINSTROM has already earned great reputation for its research with some breakthroughs at the international level. This will also be part of the new School of Biological Sciences.

In order to reinforce and expand the scope of Ramakrishna Mission's higher educational service to tribal students, it is proposed to start an 'Off-Campus' Centre in Ramakrishna Mission Centre at Narainpur in the Bastar District in Chhattisgarh State. These tribals of Abujmarh have been designated as 'most primitive' and Ramakrishna Mission's astounding educational work in this area for nearly three decades since 1985 have brought to these tribals the blessing of school education upto higher secondary ('plus two') level. To provide them with university education, the University proposes to start an 'Off-Campus' Centre at Narainpur with the approval of UGC/MHRD.

Apart from the above, the following are some of the expansion/development plans Faculty Centrewise:

### **Growth Plan with new courses at Ranchi Faculty Centre**

The Ranchi Faculty Centre is contemplating the following growth plan in future:

- (1) Commencement of new courses on
  - (i) Diploma in Integrated Farming, Integrated Rural Bio-technology, Watershed Management.
  - (ii) 2-year M.Sc. in 'Agricultural Biotechnology'
- (2) Development of Model Organic Farm
- (3) Development of five model villages on 'Sustainable farming'

- (4) Development of five model villages on 'Integrated Rural Development'
- (5) Proposed research projects on the following areas for which suitable courses could be devised in future:

**A. Agri-Horticultural Fields (Production and improvement):**

- (1) Development of home garden modules for year round vegetable production for the rural populace of Jharkhand and West Bengal
- (2) Standardization of seed production protocols for different open pollinated varieties of self-pollinated crops including vegetable crops
- (3) Establishment of the packages of practices for safe vegetable production under net house conditions
- (4) Standardization of seed production guidelines for *rabi* onion from the *kharif* grown onion bulb
- (5) Standardization of growth regulating chemicals as well as different organic solutions for initiation of rooting in hard, semi-hard and soft-wood cuttings of different horticultural crops
- (6) Identification and standardization of natural sources of organic solvents for dissolving growth regulating chemicals
- (7) Framing year round economic crop production packages in a suitable rotation for water deficit regions of Jharkhand and Eastern India
- (8) Adaptation trials on different non-traditional crops and their subsequent popularization in rural Jharkhand

**B. Developmental strategies and issues in Agricultural Extension System:**

- (1) Changing scenario of agricultural development and its implication on agricultural extension
- (2) Farmer driven extension programmes
- (3) Dissemination and adoption of organic farming system models in Jharkhand
- (4) Innovations in Private Extension and their applications in Public Extension System
- (5) Study on the Models of Private-Public Partnership in Agricultural Extension Management
- (6) Farm Management Extension (FME)
- (7) Women Groups and Agriculture Development
- (8) Farmers' Organization for Agricultural Development

**C. Social and Environmental issues in Rural Development:**

- (1) Women's Empowerment and Rural development in Jharkhand
- (2) Dimension of Exclusion and Inclusive Policies for Rural Jharkhand
- (3) Participatory Planning and Action Programmes for Selected Villages of Jharkhand
- (4) Sustainable Tourism for Sustainable Livelihood
- (5) Health Status of School-going Tribal Children of Jharkhand

- (6) Documentation of Ethno-medicinal Resources for Conserving Biodiversity
- (7) Local Knowledge System, Agro-Biodiversity and Sustainable Livelihood

#### **D. Agri-biotechnological aspects:**

- (1) Standardization of tissue culture media for propagation of important horticultural and medicinal plants.
- (2) Identification and utilization of potash mobilizing bacteria and their efficacy under Jharkhand condition.
- (3) Isolation of bio-fungicides and their utilization for control of fungal diseases in different crops.
- (4) Preparation of liquid based bio-fertilizers and bio-pesticides using low cost technologies.

#### **Growth Plan with new courses at Narendrapur Faculty Centre**

The Narendrapur Faculty Centre is contemplating the following growth plan in future:

- (1) Commencement of new courses on
  - (i) 1-yr. Post Graduate Diploma in Integrated Rural Development & Management (IRDM)
  - (ii) Masters in Social Work
  - (iii) Certificate & PG Diploma courses on Disaster Management
- (2) A suitable course for the following priority area of the Centre: development of a model organic farm.

#### **Growth Plan with new courses at Coimbatore Faculty Centre:**

The Coimbatore Faculty Centre is contemplating the following growth plan in future in its two Faculties as shown below:

##### **Faculty of 'Disability Management and Special Education'**

1. In order to facilitate credit transfer between courses approved by the NCTE and RCI, the University has applied to the NCTE to start BEd, MEd, MPhil & PhD courses in General Teacher Education with emphasis on Disability Management
2. Inter-disciplinary research doctoral degrees between general and special education
3. Introduction of dual degrees
4. Implementation of academic packages to help horizontal and vertical credit transfer between in specialized fields of disability
5. Transfer of disability curriculum credit to facilitate graduates from other streams admission in BEd Special Education and vice-versa
6. Master in Physiotherapy in Disability Management

7. Expansion of Orthotic and Prosthetic Department to improve quality of extension services

### **Faculty of 'General & Adapted Physical Education and Yoga'**

Future expansion plans to introduce following academic programs:

1. New course in Master of Sports Physiotherapy with emphasis on injury and disability management.
2. New innovative courses in BSc and MSc in Yoga with emphasis on disability management and its value to physical education.
3. To start SAI summer training course in Paralympics.
4. Implementation of academic packages to help horizontal and vertical credit transfer between in specialized fields of physical education
5. Courses in Sports Science in collaboration with Belur main campus
6. Research in the area of Sports Science with emphasis on disabilities
7. Revive the traditional sports – ancient Indian sports heritage – Start a course in Kalaripayattu for different grades