

## UNESCO CHAIR/UNITWIN NETWORK PROGRESS REPORT FORM

<b>Title of the Chair/Network:</b>	UNESCO Chair in Inclusive Adapted Physical Education and Yoga (1004)
<b>Host Institution:</b>	Ramakrishna Mission Vivekananda University (RKMVU), Belur, Howrah-711202, India.
<b>Date of establishment of Chair/Network: (mm, yyyy)</b>	12, 2012.
<b>Period of activity under report: (mm, yyyy - mm, yyyy)</b>	06, 2017 – 05, 2018
<b>Report established by: (name, position)</b>	Dr. Asis Goswami, Chairholder and Dean, Faculty of General and Adapted Physical Education & Yoga; Academic Coordinator of Department of Sports Science.

To be returned by electronic mail to both: [unitwin@unesco.org](mailto:unitwin@unesco.org) and [i.nichanian@unesco.org](mailto:i.nichanian@unesco.org)

Or by mail to UNESCO, Division for Teacher Development and Higher Education,

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### 1. Executive Summary:

*Major outcomes, results and impact of the Chair, including on national policies, in relation to its objectives as stated in Article 2 of the Chair Agreement (between the Institution and UNESCO)*  
(Not exceeding 300 words)

The focus of the activity of the Chair during the year 2017-18 was aimed to widen the scope of research and teaching activity through stating new courses, new research projects and more seminar / training programmes. This resulted in development of a new game for the Visually impaired persons. The game has been named as ' Spatial Perception Audio Game for the Visually Challenged (Drishtiheen Digdharshan Sabdokrira). This has been placed for Design registration under the Designs Act , 2000 of Government of India. Research work on visually impaired was executed through consultation with different institutions involved in education of the VI children. It is expected that the research activities carried out during the last few years would result in a number of publications in near future.

<b>2) Activities:</b>	
Overview of activities undertaken by the Chair during the reporting period	
As per the notification No: F. 5-1/2017(CPP-I/DU) dt 10th Nov 2017 issued by UGC , 'Ramakrishna Mission Vivekananda University 'is renamed as ' <b>Ramakrishna Mission Vivekananda Educational and Research Institute'</b> (Deemed-to-be-University as declared by Govt of India under Section-3 of UGC Act 1956).	
<b>a) Education/Training/Research</b>	
Activities of the Chair covers two Faculties and a Department of the University under the School of Rehabilitation Science and Physical Education: a) General and Adapted Physical Education and Yoga; b) Faculty of Disability Management and Special Education and c) Department of Sports Science and Yoga.	
<b>i) Education (leading to certificate)</b>	<p>1. The following courses are being conducted by the <b>Faculty of General and Adapted Physical Education and Yoga(FGAPEY)</b>, RKMVU, on a regular basis.</p> <p>Ph.D.          M.Phil. in Physical Education          Master of Physical Education          Bachelor of Physical Education          Bachelor of Science in Physical Education          Diploma in Physical Education</p> <p>2. The following courses are being conducted by the <b>Faculty of Disability Management and Special Education (FDMSE)</b>, RKMVU, Coimbatore, on regular basis</p> <p>Ph.D in Special Education (VI/HI/MR)          M.Phil in Special Education (VI/HI/MR)</p> <p><b>Courses Recognized by Rehabilitation Council of India (RCI)</b></p> <p>M.Ed in Special Education (VI/HI/MR)          B.ED in Special Education (VI/HI/MR)          D.ED in Special Education (VI/HI/MR)          DSLI – Diploma in Sign Language Interpretation          (VI-Visual Impairment, HI-Hearing Impairment, MR-Mental Retardation)</p> <p>In addition Certificate in Theatre Arts for Holistic Development and Certificate course in Assistive Technology were also conducted.</p> <p><b>Academic courses in Main Campus at Belur Math:</b></p> <p>Two Departments, Dept. of Sports Science and Dept. of Yoga Studies, were merged together to form Dept. of Sports Science and Yoga. The Department is conducting the following programmes at present:</p> <ol style="list-style-type: none"> <li>1. Integrated M.Phil.-Ph.D. in Sports Science</li> <li>2. Post Graduate Diploma in Yoga (Regular 1 yr)</li> <li>3. Post Graduate Diploma in Yoga (Weekend 2 yr)</li> <li>4. Outreach programme in Yoga for Health and Wellbeing.</li> </ol>
<b>ii) Training</b>	<p>1. <b>Wheelchair Accessibility and Sports</b>          One day workshop on Wheelchair Accessibility and Sports was jointly</p>

**(short term)**

organised by GAPEY , Leonard Cheshire Disability and University college of London and Global Disability innovation Hub on 31.05.2017.



2. Faculty members from Coimbatore campus, Dr. P.J. Sebastian and Dr.R. Giridharan has attended Special Olympics Leadership Academy Level III programme held in Kolkata during January 2018. Mr. Triloki Prasad, Research Scholar of Belur Campus of the University, attended Level I programme. The programme was delivered by Ms. Mary Davis, CEO, Special Olympics International and Dr.John Dow, MD, Special Olympics Asia Pacific Region.



3. Training programme on "Cardio-pulmonary resuscitation (CPR)" was organised for the Sports Science and Yoga Students of Belur Campus on 8th September, 2017. The training was delivered by Dr. Tapas Mondal, Associate Professor, Division of Paediatric Cardiology, Dept. of Paediatrics, McMaster University, Canada.



**iii) Research**

Ability to track the source of sound is one of the factors that decides the outcome in a sporting activity by the Visually impaired persons. At present, there is a lack of devices to train the spatial orientation ability or sound tracking ability of the visually impaired persons. A game has been designed to teach and test the spatial orientation ability of VI persons. A device was also developed to implement this activity and the Game. The game provides a sound-based interactive environment for visually impaired children and adults both. Through this game, blind persons can develop spatial localization and also they would have a better capability to travel independently from one location to another location. A view of the set up and actual game scene is given below.



## b) Conferences/Meetings

*(key conferences and meetings organized by the Chair or to which its Chairholder contributed)*

### i) Key conferences and workshops hosted by the Chair

Seminar on "Recent Trends: Research in Sports Science and Yoga" was organised by the Chairholder. The seminar was Inaugurated by Prof. Dipankar Home, Bose Institute, Kolka and Swami Atmapriyananda, Vice Chancellor, RKMVERI.

The programme included two workshops

- 1) Sports Biomechanics - delivered by Dr. Asis Goswami, Dr. Subhankar Ghosh, Dr. OSKS Sastri and Dr. Rupayan Bhattacharya.
- 2) Yoga - included Yoga practice session under the supervision of Mr. Prasanta Samanta, lectures on "Science of Patanjala Yoga" by Dr. Rajeshwar Mukherjee and "Swami Vivekananda's Raja Yoga" by Swami Kaleshananda.

A special lecture on "Special Olympics" was delivered by Mr. Bibek Bardhan, Vice President, Special Olympics Bharat.



The following special lectures were also delivered.

1. "Making a World Class Athlete – A Vision from a Sports Medicine Specialist" - Dr. A.K. Joy Singh, RIMS, Imphal, Manipur, India,



2. Parallels between Yoga and Physics – by Prof. O.K.S. Sastri, Central University of HP, Dharamshala, Himachal Pradesh, India.



3. 3D Motion Analysis – by Prof. P.K. Nag

**ii) Other conferences/organizational activities undertaken by the Chairholder**

1. A Two-day National Conference on “Ensuring Inclusive and Equitable Quality Education and Sports for the Empowerment of Women with Disabilities” was organized on 23-24 February 2018 by the two Faculties of the RKMVERI, Coimbatore – FDMSE & GAPEY.



2. INTERNATIONAL DAY OF PERSONS WITH DISABILITY, 2017.

RKMVERI-FDMSE observed the International Day of Persons with Disability on 14 December 2017 at GKD Auditorium. Swami Garishthanandaji Maharaj, Secretary, Ramakrishna Mission Vidyalaya presided over the function, Swami Divyaprajanadaji Maharaj, Asst. Admin. Head, FDMSE delivered benedictory address and Ms. J. Swarnalatha, Managing Trustee, Swarga Foundation; Coimbatore was the chief guest of the programme. Children with Special Needs performed various cultural events. Persons with Disabilities who are studying and working in Vidyalaya Institutions were felicitated.



3. FDMSE in partnership with RKMVERI-Belur Math, West Bengal and Globally with ARIGATOU, International, Tokyo, Japan (Secretariat in New York, USA) organized a **Week for Holistic Welfare of Children** from 23 -27 November 2017 at FDMSE premises. The inaugural session was held on 23 November 2017, for which Prof. Sujatha Missal, Principal, KMCH, Coimbatore was the chief guest. Swami. Nirmaleshanandaji, Asst. Secretary, Vidyalaya presided, N. Muthaiah, Dean, FDMSE gave the special address. Several interesting and useful events like a talk on importance of health & hygiene, safety measures, video clippings, and group activities like Nature walk, nature trip,



**iii) A selection of conference presentations by the Chairholder and other colleagues**

1. Mr. Triloki Prasad took two sessions in a CRE programme organized by Noble Mission of South Calcutta on 2-3 February 2018.

**c) Interuniversity Exchanges/Partnerships**

*(principal exchanges/partnerships between the Chair and other institutions including UNESCO Chairs/UNITWIN Networks)*

NA

d) Publications/Multimedia Materials		
(major publications and teaching/learning materials)		
Please tick relevant fields of output and indicate volume of output:		[tick] [no.]
	Books	<input type="checkbox"/>
	Books (edited)	<input type="checkbox"/>
	Books (chapters)	<input type="checkbox"/>
	Monographs	<input type="checkbox"/>
	Research Reports	<input type="checkbox"/>
	Journal Articles (refereed)	<input type="checkbox"/>
	Conference Proceedings	<input type="checkbox"/>
	Occasional Papers	<input type="checkbox"/>
	Teaching/Learning Materials	<input checked="" type="checkbox"/> 12 modules
	Multimedia Materials (CD-Rom)	<input type="checkbox"/>
	Multimedia Materials (Video)	<input checked="" type="checkbox"/> 12 video
	Multimedia Materials (Other)	<input type="checkbox"/>

<b>Details of major publications and materials.</b>
<p><b>Journal of Adapted Physical Education and Yoga:</b></p> <p>Since 2011 GAPEY is running a bi-annual journal "The Journal of Adapted Physical Education and Yoga". Peer reviewed articles on Physical Education, Adapted Physical Education and Yoga are published in this journal. Another journal that was being published by FDMSE is Journal of Disability Management and Special Education (JDMSE). Both these journals has been made online journal. Research scholars, staff-members and students working in the area contribute to this journal. These journals are now available in the website of Coimbatore Campus (<a href="http://www.vivekanandauniversity-cbe.org/site/category/journal/">http://www.vivekanandauniversity-cbe.org/site/category/journal/</a>).</p> <p><b>Book Publication:</b></p>
<b>e) Cooperation with UNESCO Headquarters, Field Offices</b>
NA
<b>f) Other (any other activities to report)</b>
<p><b>1. One of the future plan reported in last year's report was successfully established. Assistive Technology (AT) Laboratory</b> has started its activities from this year at Faculty of Disability Management and Special Education (FDMSE). Important goal of this facility is to</p>



promote access to available AT devices, creates awareness and advocates by experiencing on usage, research and development towards empowerment in education through an inclusive environment. This would also help in employment generation and in daily living of persons with disabilities.



In Picture: Teacher Education Trainees, the future special educators are getting demonstrations on various low, mid, high tech level Assistive Technology that could help them in their instructional, communication and teaching methods for children with special needs

## 2. International Day of Yoga

This day The students of Yoga course from the Belur Campus organized training camps at different places for one month. On 21st June was celebrated in all the campuses of the University.



## 3. Disabled Sports Meet : 2017

Ramakrishna Mission Vivekananda University, Faculty of GAPEY Coimbatore campus and Sports Development Authority of Tamilnadu jointly organized Coimbatore District Level Sports and Athletic Meet for Disabled on 27.10.2017.

157 persons with disabilities from 11 schools/institutions participated in various events for Physically Challenged, Visual Impairment, Hearing Impairment and Intellectually challenged. Sri H.S. Anandh, Proprietor, Lights and Lites, Coimbatore and Dr. R. Annadurai, Assistant Professor, Bharathiar University were the guests and distributed medals and certificates.



### **Leadership Training Camp 2017 – Report**

Ramakrishna Mission Vivekananda University, Faculty of General & Adapted Physical Education and Yoga, organised Leadership Training Camp 2017 at Sri Avinashilingam Krishi Vigyan Kendra, Vivekanandapuram from 22.10.2017 to 28.10.2017.



4. Dr. Asis Goswami has been invited by the Ministry of Youth Affairs and Sports, Government of India, to develop curriculum for different courses in the field of Sports Science and also to facilitate selection of priority areas of research to be funded by the Government.

### 3. Future Plans and Development Prospects:

Outline of action plan for the next biennium and short/medium and long-term development prospects. Please do not hesitate to refer to difficulties that the Chair has experienced (Not exceeding 300 words)

#### 1. Establishment of Sports Science and Yoga research laboratory

Construction of the building for Sports Science and Yoga is almost complete and expected to be functional in a few months time. A few equipment for research was also purchased. Procurement of more equipment is in progress.

#### 2. Starting of Sports Science and Yoga Course

A new programme 'Integrated M.Phil.-Ph.D.' is being introduced from the coming academic session.

Programme in "Sports Management" and "Sports Performance Analysis" is being developed.

#### 3. Sensory Park: A plan for this project is ready. Possible funding sources are being identified.

#### 4. Play Area for Disabled Children: Playing facilities to promote physical, mental and social benefits. FDMSE has developed play grounds like Jumping pit, stair climbing exercise area, volleyball ground and a small multipurpose playfield, and Bocce ground. This facility is being used regularly to organize different disabled sports competitions.

#### Difficulties encountered:

Limited financial support is a major deterrent in research programmes and other developmental activities. Specially grant for manpower like Research Fellow and Faculty members are hindrance for bigger activities.

## Appendix:

1) Human Resources		
Faculty members : 22		
2) Financial Resources		
Please tick sources of financial contribution and specify the amount in U.S. dollars		[tick] Amount (\$) (approx)
	Host Institution	<input checked="" type="checkbox"/> 190000.00
	Partner Institution	<input type="checkbox"/> nil
	Government Body	<input checked="" type="checkbox"/> 191200.00
	Other Public Institution/Body (incl. Research Councils)	<input type="checkbox"/> nil
	UNESCO	<input type="checkbox"/> nil
	Other UN Agency	<input type="checkbox"/> nil
	IGO	<input type="checkbox"/> nil
	NGO	<input type="checkbox"/> nil
	Industry	<input type="checkbox"/> nil
Other Private	<input type="checkbox"/> nil	