

**REPORT OF**  
**Two day workshop on ‘Talent Identification and**  
**Talent Development in Sports’**  
**2 & 3 October 2023**



**Department of Sports Science and Yoga**  
**Ramakrishna Mission Vivekananda Educational and**  
**Research Institute**  
**Belur Math, Dist.- Howrah, West Bengal-711202**  
**(Rated A++ by NAAC in March 2019)**  
**under the aegis of**



**UNESCO Chair in Inclusive Adapted Physical Education**  
**and Yoga (ID 1004)**



**Department of Sports Science and Yoga  
Ramakrishna Mission Vivekananda Educational and Research  
Institute**

(Deemed to be-University declared by Govt. of India under Section 3 of UGC Act, 1956)  
Belur Math, Howrah 711202, West Bengal

*Two-day Workshop on*

**Talent Identification and  
Talent Development in Sports**

**Date: 2<sup>nd</sup> & 3<sup>rd</sup> October, 2023**

**Time: 10.00 am - 4.30 pm [each day]**



**Venue: Atmavikas Building, RMVERI  
Belur Campus, Belur Math, Howrah**

**Speakers**



**Dr. Vijendra Kumar Grover**  
Assistant Professor  
Faculty of General & Adapted Physical  
Education and Yoga, Coimbatore



**Miss. Neha C. Kamani**  
Sports Scientist  
Odisha Naval Tata Hockey  
High Performance Centre



**Dr. Arkadeb Dutta**  
Assistant Professor  
Department of Sports Science and Yoga  
RKMVERI, Belur Math, Howrah



**Dr. Manohar Kumar Pahan**  
Assistant Professor  
Department of Sports Science and Yoga  
RKMVERI, Belur Math, Howrah

**Highlights of the Workshop**

**Topics**

- An evaluation of nature-nurture conundrum in sport
- Genetics and its influence in sports
- Environmental factors responsible for performance
- Concept of early and late specialization
- Talent and identifying latent factors in sport setting
- Growth and developmental aspects of performance

**Target Audience**

- Coaches and sports administrators
- Faculty members involved in sports and physical education
- Students and sports enthusiasts

Workshop convener: **Dr Manohar Kumar Pahan**, [manohar.pahan.ssv@gm.rkmvu.ac.in](mailto:manohar.pahan.ssv@gm.rkmvu.ac.in)

## About RKMVERI

Ramakrishna Mission Vivekananda Educational & Research Institute (RKMVERI), declared by the Government of India as a Deemed University, is a multi-campus University with its Headquarters at Belur Math, West Bengal. Under the aegis of the renowned philanthropic and charitable organization 'Ramakrishna Mission', the University was started in 2005 with a vision to be a Centre of learning blending the twin excellences of ancient Indian wisdom and modern scientific knowledge and technological skill, imparting life-building, character making education. Its mission is to strive for excellence in teaching, research and all academic endeavors, blend it with Eastern and Western values, to develop integrated personalities harmoniously combining the three H's – Heart to feel, Head to think, Hands to work along with a deep sense of social responsibility.



Established in 2005, RKMVERI is an institution deemed-to-be university as declared by the Ministry of Human Resource Development, Govt. of India, under Section 3 of University Grants Commission (UGC) Act, 1956. At present, it operates through four campuses situated at the following locations: Belur Math near Kolkata (main campus and headquarters), Coimbatore, Narendrapur (Kolkata) and Ranchi. The multi-campus university houses many departments organized under 5 schools, covering a diverse range of subjects such as Sanskrit studies, physics, mathematics, computer science, yoga, rural and tribal development, agriculture, disability management, disaster management, etc. and conducting programmes at various levels ranging from undergraduate/diploma to doctoral. The university also expends special effort in meaningfully engaging with the general public by conducting certificate courses and other specially designed classes, such as classes on Indian spiritual heritage (conducted by monastic faculty members), spoken Sanskrit, Indian classical music, etc.

Apart from the above mentioned educational activities, the university also actively engages in various outreach programmes intended to make a contribution to the society at large. It runs an information and communication technology based network known as Vivekdisha that performs a wide range of activities such as providing online education from secondary to undergraduate level, conducting research programs, running a portal for taking online examinations, conducting online teachers' training and workshops, etc. The university also operates a Krishi Vigyan Kendra, an initiative of ICAR, Govt. of India for technology transfer in the fields of agriculture, horticulture, animal husbandry, aquaculture etc. RKMVERI also functioned as a nodal institute for District Yoga Wellness Centre scheme for a period from 2010 to 2013.

For India to attain excellence in the fields of arts and sciences and various other fields of knowledge, the whole society and especially the youth must be given the opportunity to become fully cognizant of the glorious past heritage of the country and at the same time be trained in modern scientific ways of thinking.

While instilling the students with pride in the past achievements of their forefathers and firing them with the zeal to strive for rejuvenation of the country in all spheres of human excellence, education must also kindle in them great sympathy for their poor and the underprivileged brethren by revealing to them their indebtedness to the masses. All activities of RKMVERI, whether it be the educational focus on the thrust areas, engagement with the local populace or its general outreach programs, are oriented towards bringing this wholesome vision of education into a reality.

## About Department of Sports Science and Yoga

In the year 2012, the University established a full- fledged academic department to promote scientific study and research related to sports, including adapted sports, and yoga - 'Department of Sports Science & Yoga'. The five-storey building christened as 'Atma-Vikas' (literally, five-layered self-development)



houses the Department of Sports Science and Yoga, equipped with modern laboratories and classrooms, state-of-the-art conference room, a fully functional fitness centre and huge Yoga halls, dedicated exclusively to teaching and research in the fields of Sports Sciences and Yoga.

## About the Talent Identification workshop

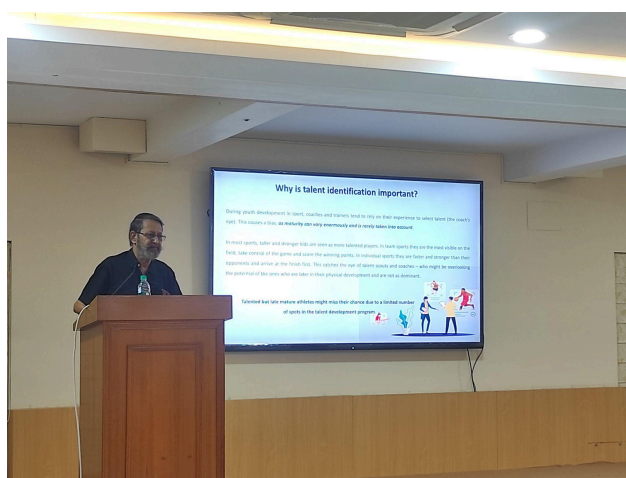
09:00-09:45 –Registration.

10:00-10:15-**Dr.Manohar Kumar Pahan**,

The convenor of the workshop delivered a brief lecture on talent identification and development regarding the proposed programme for the workshop.

10:15-10:30 - **Dr. Shanti Ranjan Dasgupta**,

Eminent Orthopaedic Surgeon and specialist in Sports Medicine his keynote speech about Importance of scientific talent identification.He also express his valuable views why is talent identification important, why early talent scouting is important, usefulness of mobile testing van helps in ,why scientific testing is important and helps us to find an universal way to scout talents. He emphasised on natural and scientific methods to scout the talents. The natural and scientific methods are very useful and they play an important role to find which athlete is suitable for a particular game.



1030-1130 Session1(Theory) Talent Identification and Development in Sports: A Multifactorial Approach -  
**Dr. Vijendra Kumar Grover**

More emphasis should be given on points:

- 1- talent development processes involve experienced, well-qualified coaches, careful training, academic Education, athletic rehabilitation,athletic load capacity control, and professional sport skills guidance to athletes.
- 2- talent detection, identification ,development, and selection, transfer compose the whole process.
- 3- TID is associated with many aspects including not only anthropology,pedagogy, physiology,and psychology but also sociology and coaching science.

1130-1230 Session2 (Theory)

Identifying Latent factors in sport setting-

**Ms.NehaC.Kamani**

She expressed how to search the talent among young people. Talent is one of the most significant factors to promote the development of sports undertakings. The present study aimed to explore the factors affecting the identification of sports talents in China's physical education curriculum.From the lectures point of view the main factors affecting the identification of sports talents in the physical education curriculum are personal physical quality performance, psychological quality, coach's knowledge, and the identification policies of schools to sports talents.



1400-1500 Session3 (Theory)

Psychological perspective of identifying sporting talent - **Dr. Manohar Kumar Pahan**

Focused on the importance of psychological attitudes such as psychobehaviour depends upon mental health, personality traits, habits, environmental influences, self esteem , stress, beliefs, attitudes, emotions, cognition, motivation etc .He mainly focused on memory learning, power of perception. He basically explained the various psychological aspects of sports which plays an important role in developing the athletes for enhancing their performance and also boosting their confidence for international matches and psychological predictor variables in players(adult height,maturity,dribbling skills and intrinsic motivation. Therefore anthropometric factors index plays a crucial role in talent identification process.The genetic factors consider to play a critical role in athletic performance and related phenotypes.

1500-1600 Session4

(Demonstration) VTS Sport Module:TATEENS&TAKIDS **Dr. Ritesh Riku**

Showed a practical experiment TAKIDS(TALENT ASSESSMENT SPORTS KIDS) and TATEENS on as to check the various dimensions such as reactive stress tolerance,focused attention, memory, ,reaction time & visual perception and lastly showed result. This Test is mainly performed by athletes Between The Ages Of 7-10.



1600-1700 Session5 (Practical)

Developing strength in young athletes **Ms. Neha C. Kamani**

She guided students and coaches how to perform various type of core strengthening exercise in young athletes



10:00-10:15- **Dr. Manohar Kumar Pahan** ,the convenor of the workshop deliver a brief lecture on talent identification and development regarding proposed programme for the workshop.

10:00- 11.00 **Dr. Arkadeb Dutta**:- delivered a lecture for the coaches About What should done and what not to done to develop the creativity of a young athletes. He discussed about the training and teaching methods to improve creativity and neuromuscular coordination associated with it.

11.00- 12.00 :-Talent Identification and Development in Sports: **Miss Neha C kamani** Delivered a important lecture about load monitoring and injury prevention and how to create rate of perceived exertion chart by your own . She discussed about the training schedule , training programmes , the exercises that should included in the training programme and the requirement of collecting data from the young athletes .

12.:00- 13.00 **Dr. Vijendra Kumar Grover**

Sport diversification can be thought of as playing as many sports as often as possible. This method exposes children to a multitude of sports with a focus on playing instead of practising. This method provides an environment that may nurture a genuine love for a sport so that productive, structured practice may follow. The belief behind sport diversification is that physical and cognitive abilities

may develop quicker via playing multiple sports instead of just one because of a potential crossover effect from playing multiple sports.



14:00 – 15:00

VTS Sport Module: SFTEAM by **Dr. Ritesh Riku** Showed a practical experiment SFTEAM to develop the athletes psychological factors such as memory, perception, Cognitive responses , reaction time with question answering

15:00-16:00 session **Miss Neha C. Kamani**

Performing physical exercises like drop jump, hop test etc for monitoring early specialization with some warm up at first and some flexibility exercises also .

