

# Srinivas University

Mangalore - India



## Atomic Research Centre (ARC)

### Centre for Movement Control in Rehabilitation



**Dr. Pathak Anupama Anand (PT), Assistant Professor  
Institute of Physiotherapy**

#### **1. Purpose of ARC:**

Movement control is an integral part of physiotherapeutic rehabilitation for the patients with any pain and dysfunction. It is based on the classification and management of the movement control system, where the focus is on movement control. This concept includes the assessment, management and versatile retraining programs provided for classification system. The research Centre in movement control mainly concentrates on integration of muscle dysfunction and uncontrolled movement assessment with tailored exercise programs for the patient's betterment, based on evidence.

#### **2. Objective of ARC :**

- The objective of this research centre is to provide a scientific evidence and to discuss advancements in the domain of movement dysfunction Research.
- To initiate, direct and grade purposeful voluntary movement in patients suffering from musculoskeletal pain and dysfunction.
- To guide students in the recognition and treatment of movement control dysfunctions in various musculoskeletal disorders.
- Identify and describe strategies of intervention for various muscle dysfunctions during rehabilitation.
- To develop Evidence based physiotherapy management plan for a patients with musculoskeletal disorders and muscle dysfunctions based on severity and symptoms.

#### **3. Description on Proposed Research:**

Research planed under this cell aims to find the possible effects of movement control in various musculoskeletal conditions which will help in establishing a better treatment program for the patients.

#### **4. Expected Outcome:**

**Effects and side effects of motor control in various conditions treated by this method.**

**5. List of the Team Members:**

- Dr. Anupama pathak
- Dr. Aishwarya Sonwane

**6. List of Working Papers:**

- Effect of motor control in patellar tendinopathy - A case study