

**INSTITUTE OF PHYSIOTHERAPY  
BELAGAVI - KARNATAKA**



**Interdisciplinary Certificate  
Course on  
'Application of Artificial Intelligence  
in  
Physiotherapy'**



# Interdisciplinary Certificate Course on 'Application of Artificial Intelligence in Physiotherapy'

## PREAMBLE

Artificial Intelligence (AI) is an algorithmic technique that has been applied in the sectors of healthcare and rehabilitation to facilitate patient care services and create decision-making. The use of artificial intelligence (AI) in rehabilitation settings has been growing quickly. Ignorance is a potential barrier to the application of AI. If AI users expand their knowledge of AI, their ambition to employ AI will increase. Physiotherapists (PTs) are rehabilitation professionals who have been using electronic devices and software-based assessment devices in research laboratories. For the diagnosis and treatment of a variety of disabilities, physical therapy has embraced AI but needs to further enhance and promote AI. The course on AI application will enhance the knowledge thereby infusing and propelling curiosity and innovation in budding physiotherapy and rehabilitation professionals

## OBJECTIVE

- ❖ To create awareness and provide knowledge about AI basics and its applications in the field of physiotherapy among physiotherapy students
- ❖ Learn how AI affects various aspects of healthcare and rehabilitation
- ❖ Knowledge translation:
  1. Understand and know how AI knowledge can be translated to application in populations
  2. To be able to translate the acquired knowledge on AI in designing and developing new modalities or machines

**DURATION** : 6 weeks/50 hours (November/ December)

**MEDIUM OF INSTRUCTION** : English

**MODE OF DELIVERY** : Hybrid mode (75% offline + 25% online)

**ADMISSION CRITERIA/ELIGIBILITY** :

**No. of Seats** : 20 **FREQUENCY**: Once a year

BPT Intern / BPT Graduate / Pursuing MPT / Completed MPT

## CONTENT

Modules	Name of the module	Teaching Hours
Module 1	Introduction and Overview of Artificial Intelligence	10
Module 2	Branches and AI Relations	10
Module 3	Clinical Applications and Benefits & Challenges	10
Module 4	Myths, Ethics, and Identification of Innovative Ideas & Design	10
Module 5	Project-based study: Drafting ideas, Patent Filing, & Writing Research Proposal	10