Minor in Sports Biomechanics Studies
Physical Education & Sports Science Academic Group
National Institute of Education

Introduction

The purpose of this minor programme, *Sports Biomechanics Studies (PEB)*, is to add value to the NTU undergraduate engineering programme, by providing students the opportunity to apply their engineering knowledge in the area of sport. Sports Biomechanics involves the analysis of human movement for purposes such as sports performance enhancement, gait analysis, and health and fitness equipment designing. The provision of a PEB minor track to the NTU engineering undergraduate will help in preparing students to work in the sport, health, and fitness industry.

Objectives

1. To understand the human anatomy and its roles and functions in movement.
2. To provide an overview of the area of sports biomechanics and the analysis of human movement.
3. To provide opportunities for students to apply knowledge and skills in engineering to the area of sports, health, and fitness.
4. To provide knowledge and skills in selected areas of biomechanics.