1. OBJECTIVES

1) To study the Biomechanics of hip joint and various forces acting on hip joint.
2) To analyze and design of artificial Indus hip joint prosthesis using finite element analysis.
3) To check the stability of prosthesis in bone.
4) To carry out experiment on hip joint prosthesis.
5) To validate the experimental results with finite element analysis results.
6) To carry out feasibility analysis of artificial hip joint prosthesis and suggest design modifications in prosthesis.