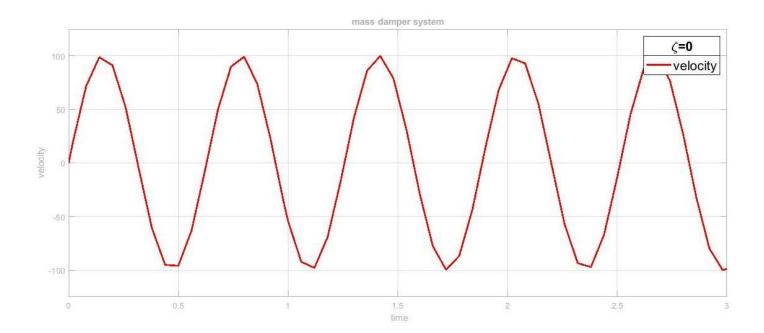
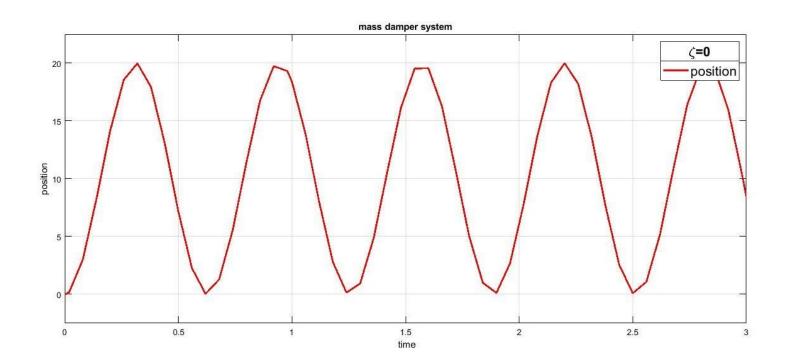
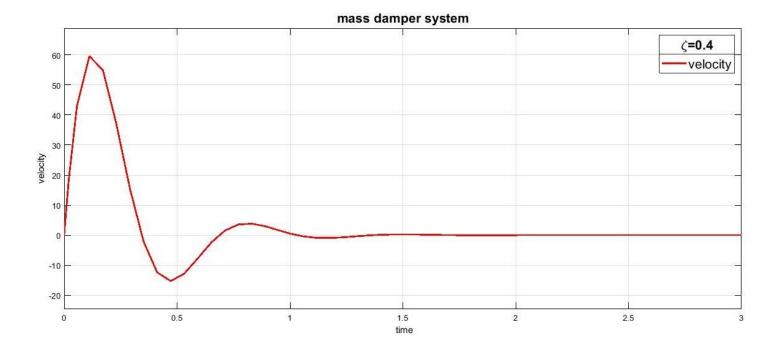
Name: Avinash Saroj Roll. No. : JID202552 Assignment: 3

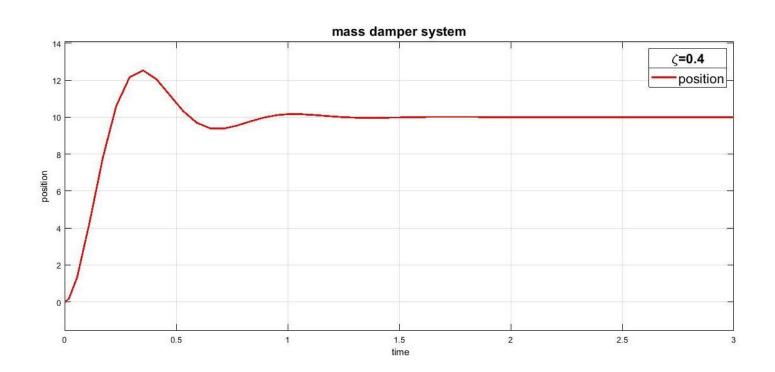
Case 1: Unforced system and initial deformation is −10 m

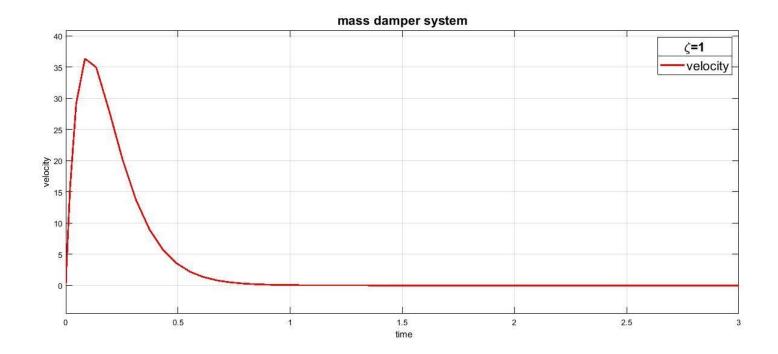
1. $\zeta = 0$

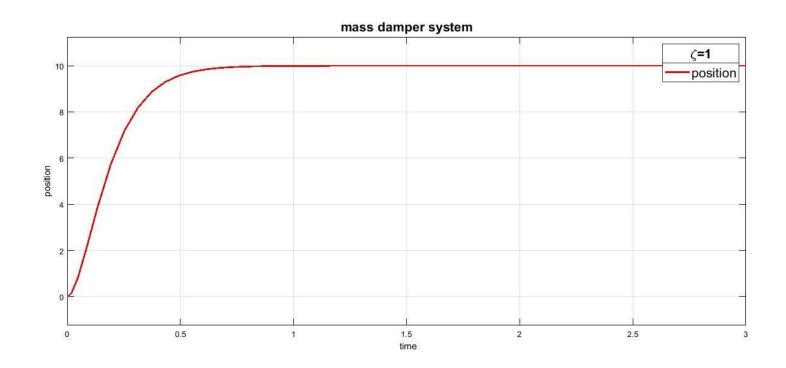


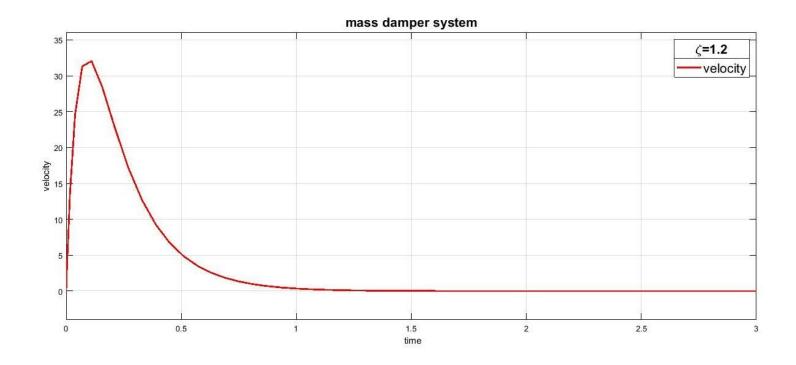


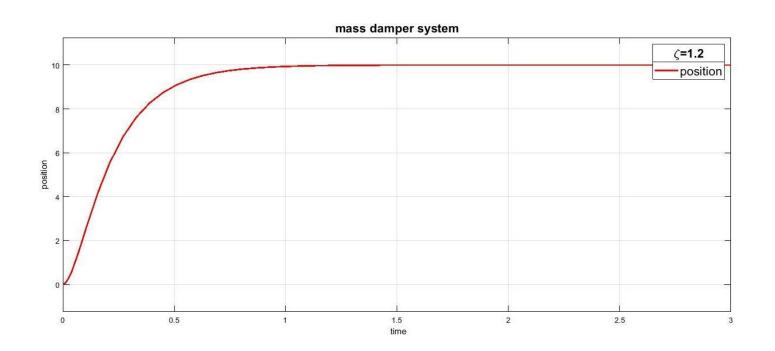




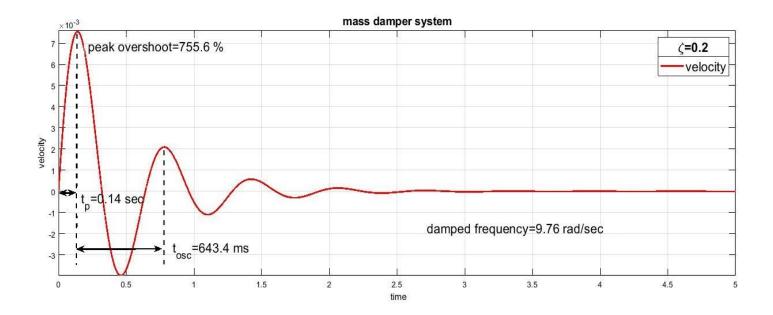


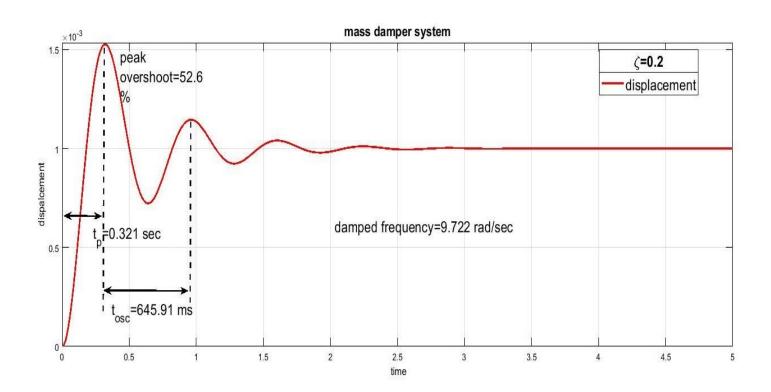


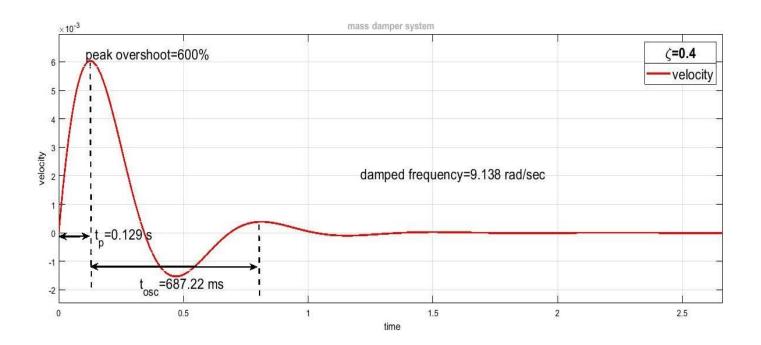


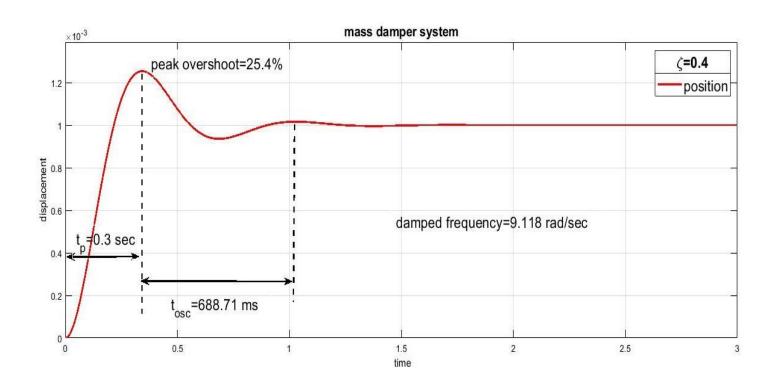


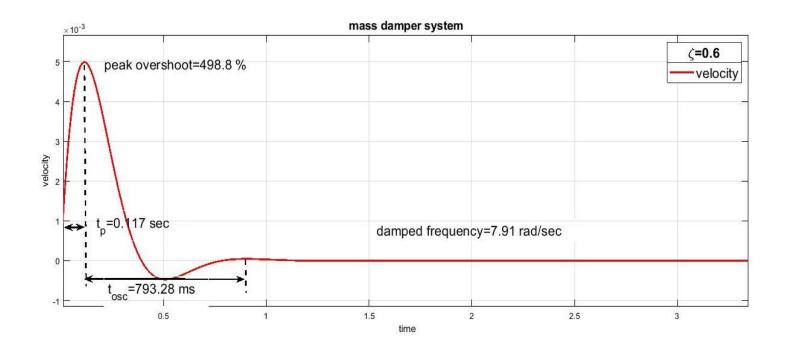
Case2: Forced system (no initial deformation and input in step signal)

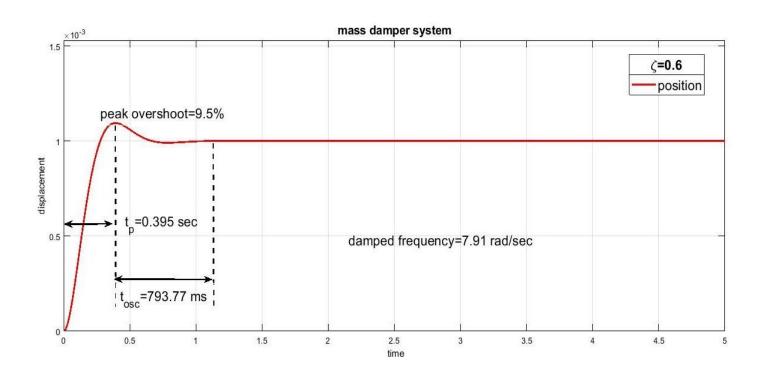


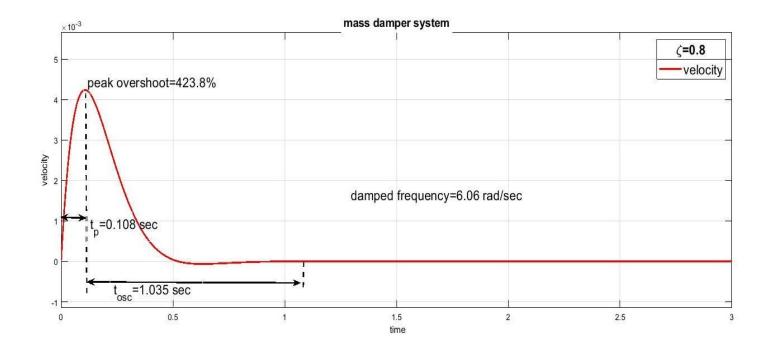


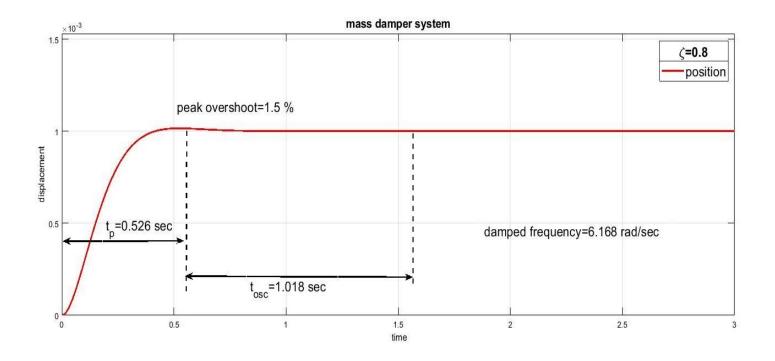












Case2: Forced system (no initial deformation and input in pulse signal)

