

Project subjects:

- 1- Vibration control :
 - a. Passive control.
 - b. Active control.
 - c. Semi-active control.
 - d. Hybrid control.
 - e. Adaptive control.
- 2- Vibration control devices:
 - c. Tuned Mass Damper (TMD).
 - d. MR damper.
 - e. Base Isolation.
 - d. Viscous and friction dampers.
- 3- Structural Health Monitoring (SHM):
 - a. System identification (Deep learning, Machine learning)
 - b. Damage detection.
 - d. Blind system identification.
 - e. Vision based damage detection methods.