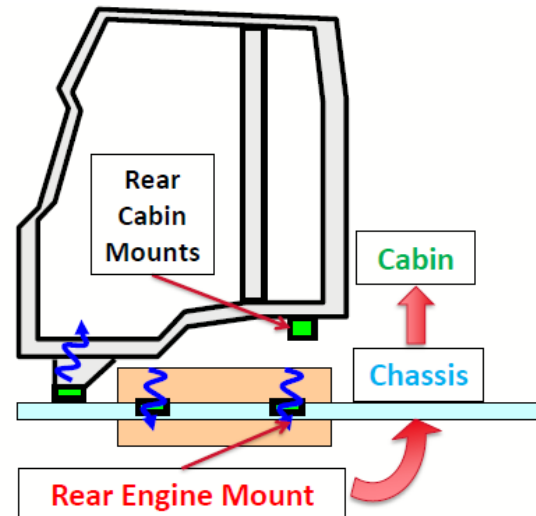
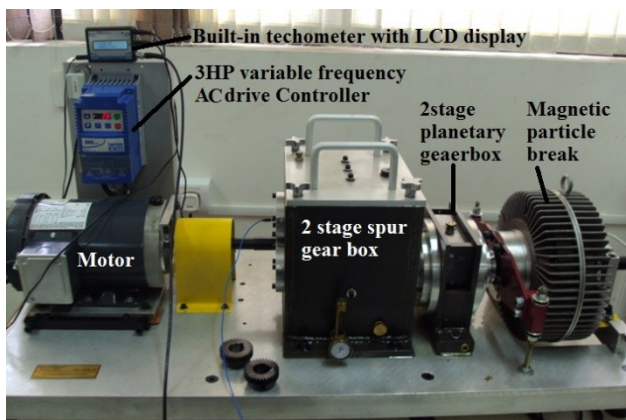


## NVH and Fault Diagnosis

- Noise Vibration and Harshness control of VECV truck: Under UAY project, an experimental study has been conducted using various commercially available sound absorbing materials to reduce the noise level inside the truck cabin. Results have shown that the noise level can be reduced by 20 dB inside the cabin.
- Dynamic modeling and fault diagnosis of planetary gear train: Under India-Tunisia project dynamic modelling of planetary gearbox has been done to understand the response of planetary gearbox.
- Advanced signal processing techniques have been proposed for gear fault diagnosis.



**Drive train diagnostic simulator for fault diagnosis of gear train** **Noise and vibration control inside truck cabin**