

## **Centre of Excellence Fatigue**

Fatigue covers all the activities related to component, subsystem and full vehicle resistance to structural and environmental load. The requirement for both OEM and component manufacturers have different needs of fatigue lab. In view of this two Centre of Excellence are proposed for Fatigue Lab:

- 1) **Centre of Excellence for Full Vehicle & Subsystems:** The existing facilities at ARAI and the expertise developed by ARAI in this over its many years of operations. NATRiP is in process to upgrade existing facility of ARAI in to Centre of Excellence for full vehicle & Subsystems fatigue lab. The facility would be able to meet the OEM requirements for validating full vehicle behaviour under conditions of fatigue and integration of sub-systems level testing.
  
- 2) **Centre of Excellence for Component Fatigue:** iCAT Manesar is situated in the close proximity of largest component's manufacturing hub of India. In view of this NATRiP has established **Centre of Excellence for Component Fatigue** at iCAT- Manesar. The centre is able to test component level behaviour and provide global R&D capability for components.