### DEVELOPMENT PHASE - TECHNOLOGY READINESS LEVELS 1-5 (OF 9):

1. **BASIC PRINCIPLES:** Basic principles observed and reported. Transition from scientific research to applied research.
2. **TECHNOLOGY CONCEPT:** Technology concept and/or application formulated – applied research.
3. **PROOF OF CONCEPT:** Technology concept and/or application formulated.
4. **WORKING PROTOTYPE:** Component/subsystem validation in laboratory environment: Standalone prototyping implementation and test.
5. **VALIDATION:** System/subsystem/component validation in relevant environment: Thorough testing of prototyping in representative environment.