



**WIN**  
Wadhvani Innovation Network  
Center of Excellence



**WADHWANI**  
FOUNDATION

# TECHNOLOGY READINESS LEVELS – TRL

## IDEA

### 0 IDEA

Unproven concept, no testing has been performed

### 1 BASIC RESEARCH

You can now describe the need(s) but have no evidence

### 2 TECHNOLOGY FORMULATION

Concept and application have been formulated

### 3 NEEDS VALIDATION

You have an initial 'offering', stakeholders like your slideware

### 4 SMALL SCALE PROTOTYPE

Built in a laboratory environment

### 5 LARGE SCALE PROTOTYPE

Tested in intended environment

### 6 PROTOTYPE SYSTEM

Tested in intended environment close to expected performance

### 7 DEMONSTRATION SYSTEM

Operating in operational environment at pre-commercial scale

### 8 FIRST OF A KIND COMMERCIAL SYSTEM

All technical processes and systems to support commercial activity are ready

### 9 FULL COMMERCIAL APPLICATION

Technology on 'general availability' for all customers

## PROTOTYPE

## VALIDATION

## PRODUCTION



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