Title: **Product lifecycle**

Eligibility: Bachelor's degree in any Faculty

Objectives: To make students familiar with prototype building

To develop design, assembling, testing and installation skill

To create entrepreneur/self employable

Course Structure: The course is equivalent to 4 credits . The course can be run in any of the foursemesters.

Syllabus:

Developing a business plan for developing an (Innovate Existing solution) prototype

1. **Research**
   Identify problem, Research current solutions, Understanding requirements, Brainstrom solutions, Develop concept prototypes, Choose an Idea
2. **Plan**
   Outline Strategy, Identify specification, Develop Schedule, Submit a proposal
3. **Inventory Management**
   Purchase of materials and accessories for building the prototype
4. **Prototype**
   Build working prototype, Conduct design reviews
5. **Test**
   Test the prototype, Revise based on feedback of the design reviews conducted, Demonstrate Final Prototype
6. **Commercialize**
   Document and publish results, Market, Solicit customer's feedback
7. **Installation of the prototype**
   Install the prototype at the site, Prepare installation manual
8. **Lifecycle testing**
   Working span of the prototype, Warranty and guaranty period. Write specifications

Methodology: Guidance by staff /Industrial personal and visits to industry .

Assessment: Final assessment by demonstration and specification testing.