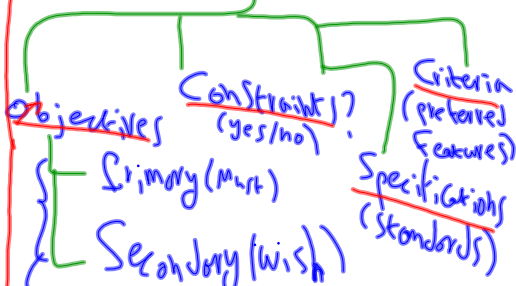


Design Process

* Client Statement
Customer (Simple terms)

* Need Analysis
team
market
www
literature

* Problem Statement
Definition



→ S.M.A.R.T.

Tools: objectives tree / needs hierarchy



* Problem Formulation
(same as problem/client statement, but in engineering terms)

* Design

a) Conceptual b) Detailed
----- GE105

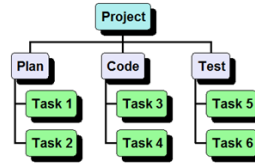
* Design Implementation /
Integration

* Testing

Tools that assist Design Process

* Project Planning

WBS



Work Breakdown Structure

Time Estimation and Dependencies

Network chart

Task	Hrs	Who
Act. 1	10	Ali
Act. 2	7	Ahmed
Act. 3	13	Omar

Gantt Chart

* Report-Writing

* Presentation

Oral : Poster
Powerpoint

* Notebook } meetings
Logbook }