

1. Practicing the different types of case tools such as (Rational Rose & other Open Source) used for all the phases of Software development life cycle.
2. Data modeling
3. Semantic data modeling
4. Source code generators
5. Re-engineering
6. Experimenting CASE Environments
 - a. Toolkits
 - b. Language-centered
 - c. Integrated
 - d. Fourth generation
 - e. Process-centered

7. Implementation of the following using CASE Workbenches:
 - a. Business planning and modeling
 - b. Analysis and design
 - c. User-interface development
 - d. Programming
 - e. Verification and validation
 - f. Maintenance and reverse engineering
 - g. Configuration management
 - h. Project management