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