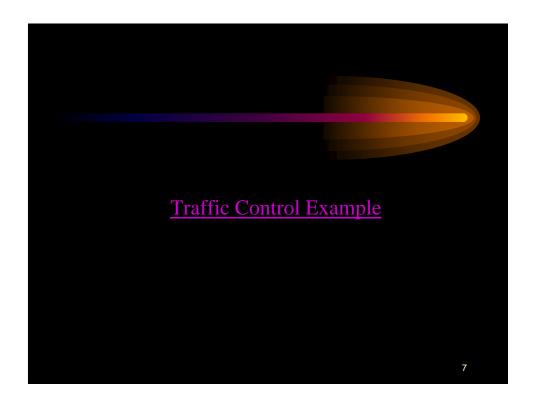
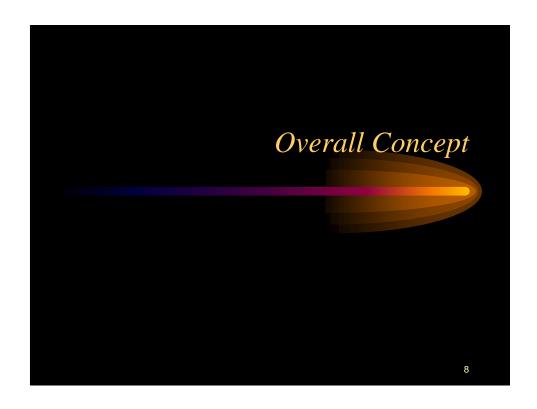
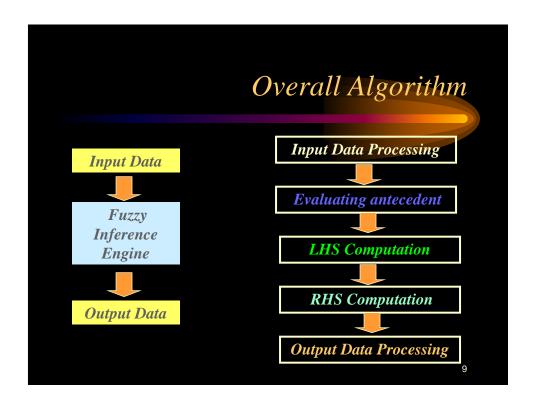


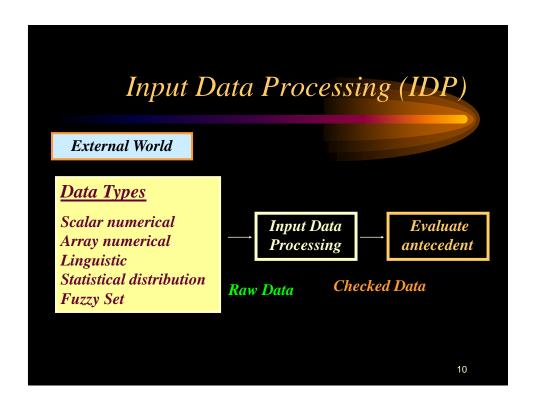
Simplified Examples of Applications

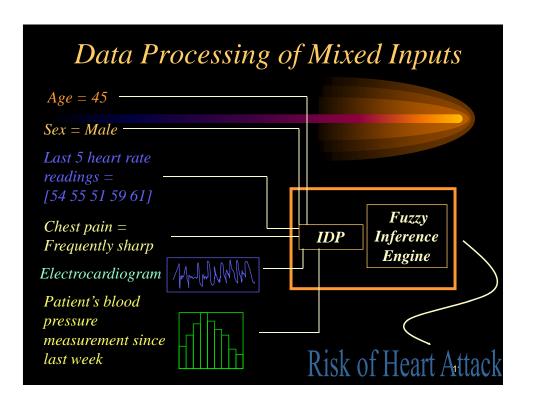
- Washing Machine
- Vacuum Cleaner











General Fuzzy Logic Applications

Knowledge Based Expert Systems

- → Fuzzy Implications
- → Selection of fuzzy implications
- → Multi-conditional Approximate reasoning
- Controllers
- Integration with Neural networks

General Fuzzy Logic Applications

- Clustering
- Pattern Recognition
- Image Processing
- Decision Making → Individual decision making, Multi-person decision making, Multi-criteria decision making, multistage decision making
- Many More...Fuzzy Unlimited ©

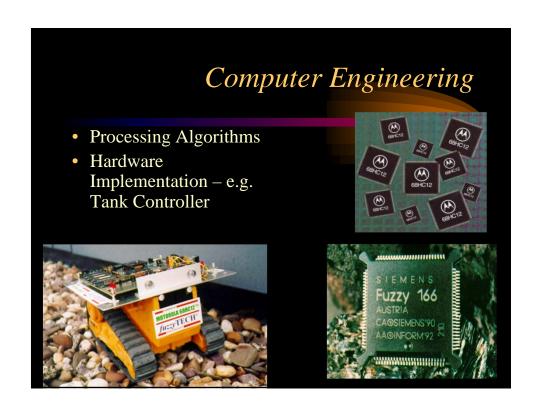
13

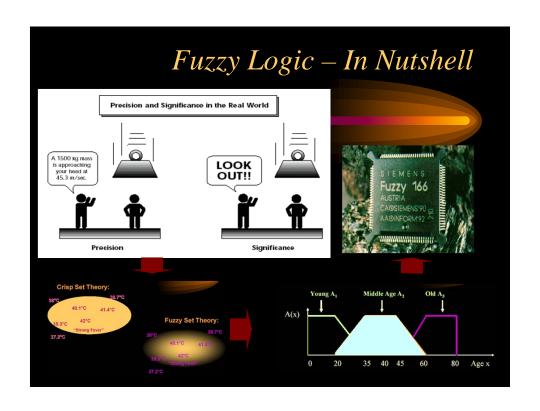
Civil/Mechanical Engineering Applications

- Design decisions
- Damage assessment
- Optimization
- Non-destructive Testing Evaluation
- Control Problems

Industrial Engineering Applications

- Estimated service life of the equipment
- Designing built-in-test for industrial systems





Self-Study

- Chapter 10: Constructing Fuzzy Sets and Operations on Fuzzy Sets
- Chapter 16: Engineering Applications
- Chapter 17: Miscellaneous Applications

