Tutorial 9

**Thapar Institute of Engineering and Technology Patiala**

**Computer Science and Engineering Department (CSED)**

1. Design a Turing machine to concatenate two string over {0,1,2..9}.
2. Design a Turing machine for the languages {0p where p=2n for n>0}.
3. Design a 3-Tape Turing Machine for adding to number and store their sum on to third tape.
4. Discussion of P, NP, NP complete Problems.