



ACE

Engineering College

(NBA ACCREDITED B.TECH COURSES & NAAC "A" GRADE)

An Autonomous Institution

Ankushapur (V), Ghatkesar (M), Madchal.Dist – 501 301

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

III B.Tech II Semester Regular(R18) (2020-21)

Sub:STM

ASSIGNMENT 1:

1. What is the purpose of testing? Explain in detail about phases in tester's mental life.
2. Explain in detail about some dichotomies
3. What is a bug? Explain about various hierarchies of bugs.
4. Is complete testing possible? Justify your answer.
5. Explain about importance of bugs and how bugs affect us.
6. Explain about the nightmare list and when to stop testing.
7. Classify the various functional and structural bugs and explain about them.
8. What is control flow graph? Explain various control flow graph element with graphical representation.
9. What are the differences between control flow graph and flow chart?
10. Explain about fundamental path selection criteria and path testing criteria.
11. What are the types of loops? Explain in detail.
12. What is 1. Predicate? 2. Path predicate? 3. Path Interpretation?
13. What is testing blindness? Explain about various types of testing blindness.
14. What is path sensitization? Explain the procedure of path sensitization.
15. Explain the heuristic procedures for sensitizing paths.
16. What is path instrumentation? Explain about various path instruments.
17. What is co-incidental correctness? Explain about it.