Lecture 07 (Tejas)

1 What is a pinfile?

There are two types of binary instrumentor:

1. Static
2. Dynamic

1.1 Static

Some dummy functions are added after some "special" instructions to analyse the trace and stuff

1.2 Dynamic

Software interrupt is called after some fixed # of instructions or similar

1.3 Information Collected

1. PC
2. Registers read/writted
3. Memory address
4. Branch taken (or not)

1.4 Working of Tejas

1. Shared memory channel between PIN and Tejas
2. Trace file exists

1.5 Tejas

1. Cycle driven
2. Event driven
3. Basically does architecture simulation
4. Maintains an event queue using a priority queue

2 Indian Industry

1. Sir and another colleague was asked to set a question paper for introductory CS by lab director (IBM)
2. After a few days sir heard angry people in cafeteria blaming people who set 100 questions
3. Bottom 30% was fired :))
4. In a famous Korean company, access card is tracked :)
5. Some companies detect screen saver