ACTIVITY BASED LEARNING
CONDUCTED ON 19-04-2017
SESSION(2016-2017)
(EC-IV,DATA STRUCTURES)

1. **TITLE: TOWER OF HANOI PROBLEM FOR (N=3)**
2. **METHODOLOGY:**

   In this Activity based learning method we have used student friendly self learning aids that were available within the class room. We used the black board, benches available in the class, podium and of course students themselves participated for this learning activity. Basically we tried to make a human model for tower of Hanoi problem.

3. **PROCEDURE OF CONDUCTING THE ACTIVITY:**
   - First of all, one of the student stated the tower of Hanoi problem and solved the same for N=3on black board.
   - Three students of different height played the role of different diameters.
   - Some students instructed the movement of the three students playing the role of disks.
   - First three rows in the class were used as Peg A, Peg B and Peg C between which these students (disks) were moved (from one peg to the other) so that no student having higher height comes in front of a lower height student.
   - The instructors told the three students to move according to the steps/moves drawn on the black board (solved on board).
   - It involved 7 moves to solve the tower of Hanoi problem using students as three disks.
   - At the end students and faculty both discussed that how 'stack-data structure' is being used in the whole activity.

4. **THE RESULT AND ANALYSIS:**

   Students found it more interesting to learn tower of Hanoi problem through activity. They asked to explain more topics through activities. They were more attentive during the activity than normal routine lecture.

FEEDBACK FORM FOR THE ACTIVITY
TOWER OF HANOI PROBLEM (APPLICATION OF STACK)

STUDENT'S NAME:
STUDENT'S ROLL NUMBER:

Q1: ARE THESE TYPES OF ACTIVITY BASED LEARNING SHOULD BE THERE IN THE CLASS OR NOT?
ANS:
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………
………..

Q2: UP TO WHAT EXTENT YOU UNDERSTOOD THE TOPIC- TOWER OF HANOI THROGH THIS ACTIVTY. (TICK THE APPROPRIATE ONE)
1. EXCELLENT
2. VERY GOOD
3. GOOD
4. BAD

STUDENTS SUGGESSIONS FOR ACTIVITY BASED LEARNING:
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STUDENT'S SIGNATURE