VIT Organizes an international Conference in September 2015, to publish papers in the conference some amount has been fixed as the registration fees. Students from VIT and other colleges have to register with Rs.250 and 400 respectively; Staff from VIT and other colleges has to register with Rs.300 and 500 respectively; Industrialist from india have to register with Rs.1000 and abroad with 50$; Research Scholars will pay Rs.750 as their fees. Early bird registration is only for VIT Students and Staff they can avail 10% discount if they register with in august 15th 2015. Draw cause and Effect Graph for the above scenario and derive the effective test cases for the same

**Steps to proceed on Cause-Effect Diagram:**

**Firstly:**Recognize and describe the input conditions (causes) and actions (effect)

**Secondly:** Build up a cause-effect graph

**Third:**Convert cause-effect graph into a decision table

**Fourth:**Convert decision table rules to test cases. Each column of the decision table represents a test case

**First:**

|  |  |  |  |
| --- | --- | --- | --- |
| Cause ID | Causes | Effects ID | Effects |
| C1 | Students | E1 | 250 |
| C2 | Staff | E2 | 400 |
| C3 | Research Scholar | E3 | 300 |
| C4 | VIT | E4 | 500 |
| C5 | Industrialist | E5 | 750 |
| C6 | Other | E6 | 50$ |
| C7 | Date | E7 | 1000 |
| C8 | Country | E8 | 10% Discount |

**Second**

Cause and Effect Graph

CEG1

C1

^ E1

C4

CEG 2

^

CEG 3

^

CEG 4

^

CEG 5