Behavioral Modeling
by using
State Transition Diagram (STD)

Behavior vs Attitude

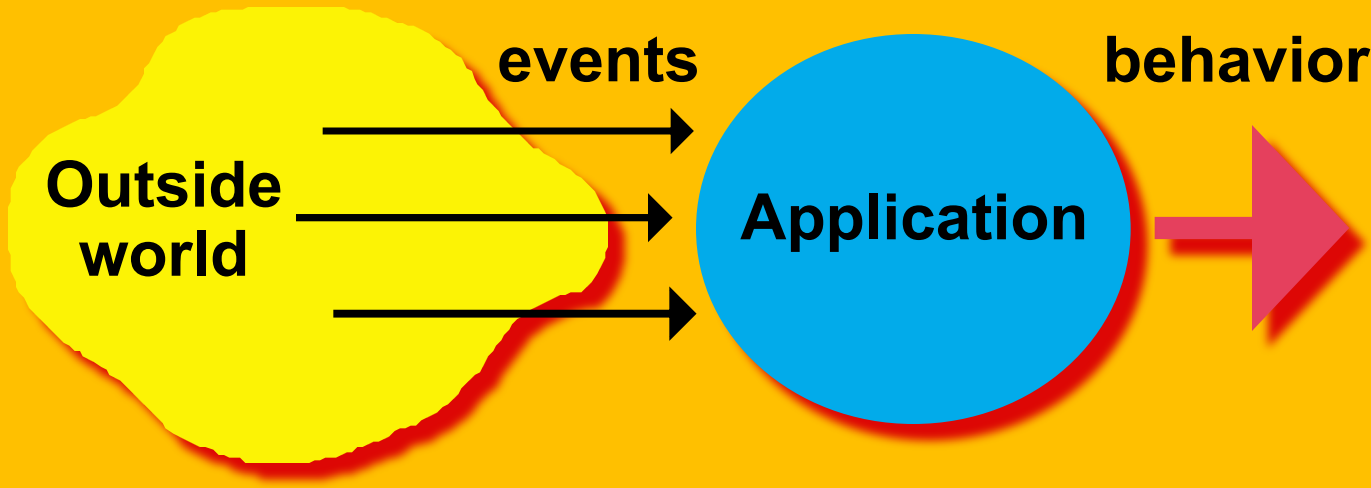
Some Negative Behaviors

1. O teri…
2. Shit…
3. Oops…
4. Taino pata main kon aa…
5. Too bahir nikal, tainoo main dasna…
6. To abuse on any event...

Change negative behaviors into positive behaviors

1. “O teri…” = “Subhan Allah, Masha Allah”
2. “Shit…” = “Inna Lillah hi wa Inna Aliehe Rajaoon”
3. “Oops…” = “Inna Lillah hi wa Inna Aliehe Rajaoon”
4. “Taino pata main kon aa…” = ‘Forgiveness’
5. “Too bahir nikal, tainoo main dasna…” = ‘Forgiveness’
6. To abuse on any event... = Use of Subhan Allah, Masha Allah, Allah O Akbar

Behavioral Modeling



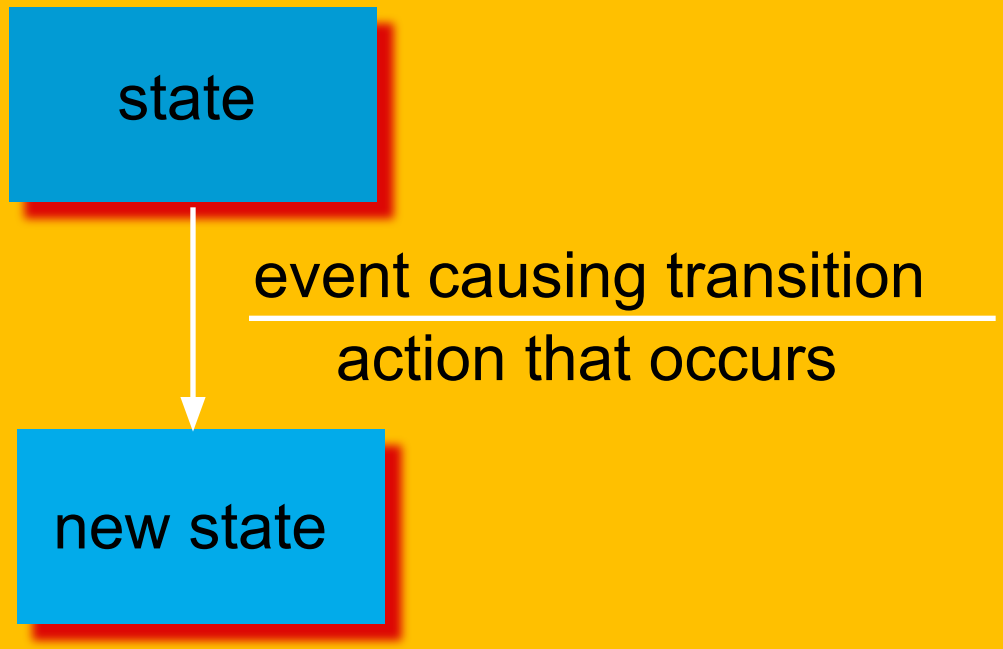
$$E + R = O$$

E = Event, R = Response, O = Output

Elements of STD:

1. **State:** a set of observable circumstances that characterizes the behavior of a system at a given time
2. **State transition:** the movement from one state to another
3. **Event:** An occurrence that causes the system to exhibit some predictable form of behavior
4. **Action:** Process that occurs as a consequence of making a transition

State Transition Diagram Notations:



Example: Photostat Machine