PROJECT Block diagram: -> machine > items state diagram: Present state Mexistale Input Q 90 Jo hame Q, Q, JI K, B O 0 W O 0 O X 0 × 0 × 0 × 0 × 0 × 0 0 1) X Ø 0 0 XXYYDIN 0 0 0 0 0 0 O 000 0

Explain the functionality of the FSM Step = :machine) will show the insert the Coin to required. Step 2: And initializing the coin which is required one out not then Step 3: - Transihons+ * Insert coin 5 then it will remains tional coins to get. * Insert coin 10 then, it will move to another state and despensing it the required amount reached.

*Insert coin 20 it will move to another state and despensing it the required amount reached. * Insert coin 50, In this state also remain spine as coin 20, this process is repeatedly occups until we get.

it the dispensing successfult, state change given and it the product Step4: not available or any issue occurs. transition back idle.

Back amount is given when we give more amount than required one. step 5 > Back amount