

WEEK-3 CSE BATCH

1) A bulb in a staircase has two switches, one switch being at the ground floor and the other one at the first floor. The bulb can be turned ON and also can be turned OFF only if both the switches are at the same state. Design the CMOS circuit for this logic. Wire up the circuit using IC HCF 4007 and demonstrate the operation.

2) The present day cars usually have alarms to indicate if any Door is open or if the driver has not fastened the seat belt. Design the logic using CMOS family that will allow you to switch ON the ignition only if both the aforementioned alarms are OFF. Wire up the circuits using IC HCF 4007 and demonstrate the operations