**Algorithm for inn management system**

**(Mini project)**

Step 1: start

Step 2: print the introduction of inn

Step 3: declaration of goto function by the name intro:

Step 4: input by user to his choice customer and employee by 1 and 2 numerical

Step 5: if input is 2 or user is 2

Step 6: calling function opens employlogin () {(control transfer to called function)}

Step7: if input is 1 or user is 1 customer blog opens

Step8: input customer name

Step9: input mobile number

Step10: input id card type

Step11: input id number

Step12: input user choice lodging or dinning (1 or2)

Step13: control switches to case 1 if input 1 in choice or lodging---------------------algorithm 2

Step14: control switches to case 2 if input 2 in choice or dinning

Step15: goto intro

Step16: end

**Algorithm 2:**

(Starts after the input 1 in user choice called lodging)

Step1: start

Step2: control transfer to case 1

Step3: input type of room user choice 1 or 2

Step 4: input type of room condition user choice 1 or 2

Step5: input number of rooms

Step6: input user choice (dinning or lodging) 1 or 2

Step7: if food is 1 or dining is user choice

Step8: input type of food 1or 2

Step9: input user choice size 1 or 2

Step10: input members dine

(Starts billing column here price adds to customer bill details)

Step 11: output of prices for user selections

Step 12: sum of the selected choices prices

Step13: main function calls the bill subfunction

Step14: control transfers to bill () function

Step15: returns to main function

Step16: control transfer to goto label called intro

Step 17: if user is incorrect out of 1 and 2 then programs terminate

Step 18: end

**Employlogin ():**

Step1: start

Step 2: input name of employee

Step3: input password

Step4: if password is 9999

Step5: input edited prices of customer choices

Step6: else password is rather than 9999

Step7: output “login failed wrong password”

Step8: control transfer to main function starts from where the control transferred to subfunction

Step9: end

**Bill ():**

Step1: output of introduction of bill function

Step2: output customer name

Step3: output mobile number

Step4: output of amount customer should pay

Step5: output welcome details

Step6: control transfer to main function starts from where the control transferred to subfunction

Step7: end