1. **Algorithm for library management system.**

   Step 1: Start.

   Step 2: Scan the ID card.

   Step 3: Select the book we want.

   Step 4: Enter the selected book details with your ID number.

   Step 5: Take the book.

   Step 6: After reading ,return the book with your ID number.

   Step 7: Stop.

2. **Algorithms for ATM transaction.**

   Step 1: Start.

   Step 2: Insert ATM card

   Step 3: Check the card is valid or not

   Step 4: If card is valid select the language you want. Otherwise return the card.

   Step 5: Enter the pin

   Step 6: If pin is correct go to step 7. Otherwise repeat step 5.

   Step 7: Enter the amount on your selected account.

   Step 8: Collect the cash and card.

   Step 9: Stop.

3. **Algorithm for ordering the food in restaurant.**

   Step 1: Start.

   Step 2: Choose the restaurant you need to go.

   Step 3: Select the food available in the menu card.

   Step 4: Select the quantity you need.

   Step 5: Place the order.

   Step 6: Stop.

4. **Algorithm for kitchen management system.**

Step 1: Start.

Step 2: Prepare the menu for cooking.

Step 3: Buy the ingredients for cooking

Step 4: Check the ingredients quality. If the quality is not good repeat the step 3.Otherwise go to next step.

Step 5: Prepare the food.

Step 6: Serve to the customers.

Step 7: Once dishes are finished clean the kitchen.

Step 8: Stop.

5. **Algorithm for employee management system.**

Step 1: Start.

Step 2: Hire the employees.

Step 3: Explain their work.

Step 4: Give training to them.

Step 5: Monitor their work.

Step 6: Pay the salary based on their performance.

Step 7: Stop.