Tables:

1) Table name: Student
roll no : varchar(20)
name : varchar(50)
ldap : varchar(50)
room no : int
contact no : varchar(12)
Constraints:
        primary key : roll no
        Unique : ldap

2) Table name: Caterers
ID : varchar(20)
Name : varchar(50)
Contact no : varchar(12)
Constraints:
        primary key : ID

3) Table name: Hostel
ID :varchar(20)
Name : varchar (50)
Cost per day : int
Constraints:
        Primary Key : ID

4)Table name: MessAuthority
ID : varchar(20)
hostel ID : varchar(20)
name : varchar(50)
Contact no : varchar(12)
Constraints:
        primary key : ID
        Foreign key with relation : Hostel (on delete cascade)

5) Table name: FoodItem
ID : varchar(20)
name : varchar(50)
type : varchar(50)
quantity : varchar(50)
calories : int
Constraints:
        primary Key : ID

6) Table name: DaySlot
ID : varchar(20)
day : varchar(20)
mealType : varchar(20)
Constraints:
      Primary key : ID

7) Table name: Announcement
ID : varchar(20)
hostel ID : varchar(20)
dateTime : Timestamp
text : varchar(1000)
subject = varchar(1000)
Constraints:
      Primary Key : ID
      Foreign key with relation : Hostel (on delete cascade)
      Subject: (default = "Notification")

8) Table name: MessAccounts
Account No : varchar(30)
student ID : varchar(20)
Balance : int(default 0)
Student ID
Constraints:
      Primary key: Student ID
      Foreign Key with relation : Student (on delete cascade)

9) Table name: Belongs To
student ID : varchar(20)
hostel ID : varchar(20)
startDate :Timestamp
endDate :Timestamp
Constraints:
      Unique : (student ID, startDate)
      Foreign Key with relations : Student (on delete cascade) and Hostel (on delete cascade)

10) Table name: Rated
student ID : varchar(20)
hostel ID : varchar(20)
taste : int
costEffective : int
Cleanliness : int
Overall : int
Constraints:
      Unique : (student ID, hostel ID)
      Foreign Key with relations : Student (on delete set null) and Hostel (on delete cascade)

11) Table name: Reviewed
student ID : varchar(20)
hostel ID : varchar(20)
review : varchar(1000)
dateTime :Timestamp
Constraints:
      Unique : (student ID, hostel ID, dayTime)
      Foreign Key with relations : Student (on delete set null) and Hostel (on delete cascade)

12) Table name: Catering
caterer ID : varchar(20)
hostel ID : varchar(20)
startDateTime :Timestamp
endDateTime :Timestamp
Constraints:
      Unique : (caterer ID, hostel ID, startDateTime)
      Foreign Key with relations : Caterer (on delete cascade) and Hostel (on delete cascade)

13) Table name: TempOpt
student ID : varchar(20)
hostel ID : varchar(20)
startDate :Timestamp
startMealType : varchar(20)
endDate :Timestamp
endMealType : varchar(20)
Constraints:
      Unique : (student ID, hostel ID, startDate, startMealType)
      Foreign Key with relations : Student (on delete cascade) and Hostel (on delete cascade,
                                              can be null)

14)Table Name: Extras
Food ID : varchar(5)
Hostel ID : varchar(5)
Cost : int
Constraints:
       Unique : (hostel ID, food ID)
       Foreign Key with relations : Food (on delete cascade) and Hostel (on delete cascade)

15)Table Name : Holidays
day Slot ID : varchar(5)
hostel ID : varchar(5)
date :Timestamp
Constraints:
       Unique : (hostel ID, daySlot ID, date)
       Foreign Key with relations : Dayslot (on delete cascade) and Hostel (on delete cascade)

16) Table Name: Cost
MealType : varchar(20)
Hostel ID : varchar(5)
Cost : int
Constraints:
       Unique : (hostel ID, MealType)
       Foreign Key with relations : Hostel (on delete cascade)

17) Table Name: Quantity
Hostel ID : varchar(5)
Day Slot ID : varchar(5)
Quantity required : int
Constraints:
       Unique : (hostel ID, daySlot ID)
       Foreign Key with relations : DaySlot (on delete cascade) and Hostel (on delete cascade)

18) Table Name: Wastage
Hostel ID : varchar(5)
Wasted : decimal(max_digits=4,decimal_places=2)
Day : int
Constraints:
       Unique: (hostel ID, day)

19) Table Name: Menu
Hostel ID : varchar(5)
Day Slot ID : varchar(5)
Food ID : varchar(5)
Constraints:

Unique : (hostel ID, daySlot ID, food ID)
Foreign Key with relations : DaySlot (on delete cascade), Hostel (on delete cascade)
and Food(on delete set null)