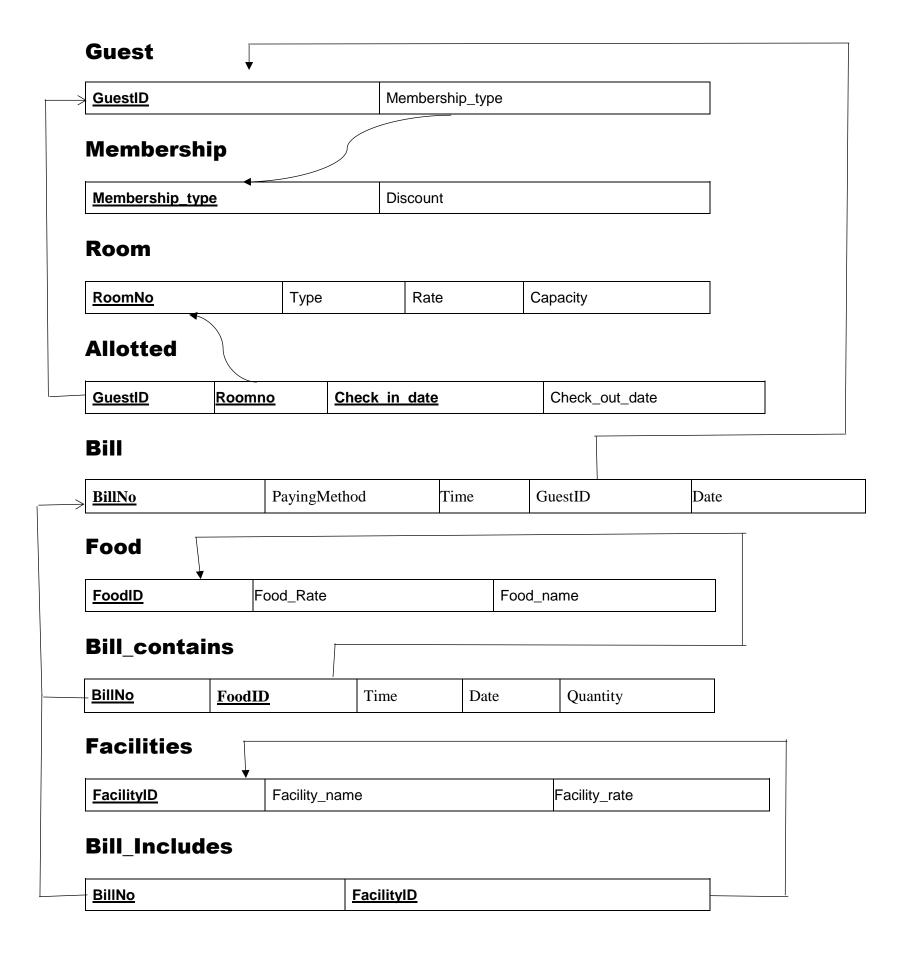
## HOTEL BILLLING SYSTEM

GROUP1\_K SHASHWAT MISHRA(201401016) PANKAJ SIROHI(201401022) AMAY AGARWAL(201401031) SHUBHAM KHANDELWAL(201401068)

**Family** 

## RELATIONAL SCHEMA

· •							
FRSSN	FRName	S	treet	С	ity	PIN	
amily_M	lembers						
FRSSN		<u>Name</u>	Name		Age		
amily_C	ontact						
FRSSN		Phone.No	Phone.No.				
Company	•						
<u>CompanyID</u>		Compan	Company_Name				
Company	_Location						
<u>CompanyID</u>			Location				
Company	_members						



## **Functional Dependencies**

- FRSSN -> {FRName, Street, City, PIN} (Family)
- {FRSSN, Name} -> Age (Family\_Members)
- CompanyID -> Company\_Name (Company)
- SSN -> {CompanyID, Name, Age, Designation} (Company\_members)
- GuestID -> Membership\_type (Guest)
- Membership\_type -> Discount (Membership)
- RoomNo -> {Type, Rate, Capacity} (Room)
- {GuestID, RoomNo, Check\_in\_date} -> Check\_out\_date (Allotted)
- BillNo -> { Paying\_method, GuestID, Date, Time } (Bill)
- FoodID -> { Food\_name,Food\_Rate } (Food)
- {BillNo, FoodID} -> {Time, Date, Quantity} (Bill\_contains)
- FacilityID -> {Facility\_name, Facility\_Rate} (Facilities)

All the tables are in BCNF.