**Towns {Town\_name ,State , Area }**

Town\_name -> {State, Area}

Town\_name is the candidate key.

There is no multi valued attribute so the table is in 1nf.

Town\_name is the primary key so there is no partial dependency, so the relation is in 2nf.

The table is in 3nf as there is no transitive dependency.

**BUSSES { Reg\_no , G-id ,Type\_id, Route\_no}**

Reg\_no->G-id ,Type\_id, Route\_no

Reg\_no is the candidate key.

There is no multi valued attribute so the table is in 1nf.

Reg\_no is the primary key so there is no partial dependency, so the relation is in 2nf.

The table is in 3nf as there is no transitive dependency.

**TYPE {Type\_id, Size, Deck, Passenger\_no}**

Type\_id ->{ Size, Deck, Passenger\_no}

Type\_id is the candidate key.

There is no multi valued attribute so the table is in 1nf.

Type\_id is the primary key so there is no partial dependency, so the relation is in 2nf.

The table is in 3nf as there is no transitive dependency.

**ROUTES {Route\_no, Avg\_passenger}**

Route\_no -> {Avg\_passenger}

Route\_no is candidate key .

There is no multi valued attribute so the table is in 1nf.

Route\_no is the primary key so there is no partial dependency, so the relation is in 2nf.

The table is in 3nf as there is no transitive dependency.

**DRIVERS {E\_id, E\_name, Address, Tel\_no}**

E\_id-> {E\_name, Address, Tel\_no}

E\_id is candidate key.

There is no multi valued attribute so the table is in 1nf.

E\_id is the primary key so there is no partial dependency, so the relation is in 2nf.

The table is in 3nf as there is no transitive dependency.

**GARAGE {G\_id, Town\_name, Capacity}**

G\_id -> { Town\_name, Capacity}

G\_id is the candidate key.

There is no multi valued attribute so the table is in 1nf.

G\_id is the primary key so there is no partial dependency, so the relation is in 2nf.

The table is in 3nf as there is no transitive dependency.

**STAGES {S\_id, Route\_no}**

S\_id -> { Route\_no}

S\_id is the candidate key.

There is no multi valued attribute so the table is in 1nf.

S\_id is the primary key so there is no partial dependency, so the relation is in 2nf.

The table is in 3nf as there is no transitive dependency.

**DRIVE {E\_id, S\_id}**

E\_id, S\_id is a composite primary key.

There is no multi valued attribute so the table is in 1nf.

There is no partial dependency, so the relation is in 2nf.

The table is in 3nf as there is no transitive dependency.

**PASS {Town\_name,Route\_no}**

E\_id, S\_id is a composite primary key.

There is no multi valued attribute so the table is in 1nf.

There is no partial dependency, so the relation is in 2nf.

The table is in 3nf as there is no transitive dependency.