**MiniScintin – Phase I**

**Entities:**

Users

Classes

Access roles {Student, teacher, Admin} – Roles are applicable equally throughout the site, no function specific roles are structured in the phase one of MiniScintin.

Transport Department {Vehicles, Routes, Subscriptions, *Fee collections*}

Assignments

Attendance

Projects

Academic profile

Basic Chat Application

\*Transport – Fee collections is not included in the first phase of MiniScintin as it comes under Finance department. User can be subscribed to transport without any fee details in this application.

**Considerable challenges:**

Realtime mapping of route points on GMaps

Integration of Sublime theme into the project

Basic Chat Application

Working with Codeception (Testing framework)

**Comprehensive information on entities:**

**Users:**

* Number of tables: 3
* Table details:
  + commonuser{id,

UserName,

UserMail,

RefId, // fk – “student/employee” – “id”

Password,

Mobile,

VerifyCode,

Auditing}

* + student{}
  + employee{}

**Transport Department:**

* Number of tables: 5
* Table details:
  + vehicles{id,

VehicleNumber,

VehicleCode,

VehicleType,

VehicleCategory,

VehicleRoute, // fk – “routes” – “id”

DateofRegistration,

ExpiryDate,

InsuranceRenewalDate,

AssignedDriver,

Capacity,

Auditing}

* + busstops{id,

StopName,

LatCoords,

LonCoords,

Distance,

Auditing}

* + routes{id,

DestinationId, // fk – “busstops” – “id”

Auditing}

* + routestops{id,

StopId, // fk – “busstops” – “id”

RouteId, // fk – “routes” – “id”

Auditing}

* + subscriptions{id,

UserType,

UserRefId, // fk – “student/employee” – “adm / employee ID”

RouteId, // fk – “routes” – “id”

StopId, // fk – “busstops” – “id”

VehicleId, // fk – “vehicles” – “id”

StartDate,

EndDate,

Auditing}