Professor's Support System

DDL SCRIPT

```
CREATE SCHEMA ProfessorSupportSystem;
SET SEARCH_PATH TO ProfessorSupportSystem;

CREATE TABLE PROJECT_TEAMS(
    TeamNo VARCHAR(7),
    LeaderID DECIMAL(9,0),
    PRIMARY KEY (TeamNo)
);

CREATE TABLE TEAM_MEMBERS(
    TeamNo VARCHAR(7),
    StudentID DECIMAL(9,0),
    PRIMARY KEY (TeamNo, StudentID),
    FOREIGN KEY (TeamNo) REFERENCES PROJECT_TEAMS (TeamNo)
    ON DELETE CASCADE ON UPDATE CASCADE
);

CREATE TABLE PROJECT_PERFORMANCE(
    TeamNo VARCHAR(7),
    Topic VARCHAR(99),
    OnTimeSub SMALLINT,
    Marks DECIMAL(4,1),
    PRIMARY KEY (TeamNo),
    FOREIGN KEY (TeamNo) REFERENCES PROJECT_TEAMS (TeamNo)
    ON DELETE CASCADE ON UPDATE CASCADE
);

CREATE TABLE BATCH_DETAILS(
    Batch NUMERIC(4,0),
    Course VARCHAR(20),
    PRIMARY KEY (Batch)
);

CREATE TABLE TIME_SCHEDULE(
    Batch NUMERIC(4,0),
    Day VARCHAR(9),
    Time TIME,
    PRIMARY KEY(Batch, Day),
    FOREIGN KEY (Batch) REFERENCES BATCH_DETAILS (Batch)
    ON DELETE CASCADE ON UPDATE CASCADE
);
```

```sql
CREATE TABLE STUDENT(
    StudentID DECIMAL(9,0),
    Name VARCHAR(25),
    TeamNo VARCHAR(7) ,
    CPI DECIMAL(4,2),
    Batch NUMERIC(4,0),
    PRIMARY KEY (StudentID),
    FOREIGN KEY (TeamNo) REFERENCES PROJECT_TEAMS (TeamNo)
    ON DELETE CASCADE ON UPDATE CASCADE,
    FOREIGN KEY (Batch) REFERENCES BATCH_DETAILS (Batch)
    ON DELETE CASCADE ON UPDATE CASCADE
);

CREATE TABLE LAB_PERFORMANCE(
    StudentID DECIMAL(9,0),
    Lab SMALLINT,
    LabAttendance BOOLEAN,
    Submission DECIMAL(4,1),
    Viva DECIMAL(4,1),
    PRIMARY KEY (StudentID, Lab),
    FOREIGN KEY (StudentID) REFERENCES STUDENT (StudentID)
    ON DELETE CASCADE ON UPDATE CASCADE
);

CREATE TABLE CLASS_PERFORMANCE(
    StudentID DECIMAL(9,0),
    Quizes DECIMAL(4,1),
    InSem1 DECIMAL(4,1),
    InSem2 DECIMAL(4,1),
    EndSem DECIMAL(4,1),
    PRIMARY KEY (StudentID),
    FOREIGN KEY (StudentID) REFERENCES STUDENT (StudentID)
    ON DELETE CASCADE ON UPDATE CASCADE
);

CREATE TABLE CLASS_ATTENDANCE(
    StudentID DECIMAL(9,0),
    WeekID SMALLINT,
    Presents SMALLINT,
    PRIMARY KEY (StudentID, WeekID ),
    FOREIGN KEY (StudentID) REFERENCES STUDENT (StudentID)
    ON DELETE CASCADE ON UPDATE CASCADE
);

CREATE TABLE WEEK_INFO(
    WeekID SMALLINT ,
    Batch NUMERIC(4,0) ,
```

```sql
    Classes SMALLINT,
    SlideLink VARCHAR(150),
    PRIMARY KEY (WeekID, Batch),
    FOREIGN KEY (Batch) REFERENCES BATCH_DETAILS (Batch)
    ON DELETE CASCADE ON UPDATE CASCADE
);



ALTER TABLE ONLY LAB_PERFORMANCE ALTER COLUMN LabAttendance SET DEFAULT 'false';

ALTER TABLE ONLY LAB_PERFORMANCE ALTER COLUMN Submission SET DEFAULT 0;

ALTER TABLE ONLY LAB_PERFORMANCE ALTER COLUMN Viva SET DEFAULT 0;

ALTER TABLE ONLY PROJECT_PERFORMANCE ALTER COLUMN OnTimeSub SET DEFAULT 0;

ALTER TABLE ONLY PROJECT_PERFORMANCE ALTER COLUMN Marks SET DEFAULT 0;

ALTER TABLE ONLY CLASS_PERFORMANCE ALTER COLUMN Quizes SET DEFAULT 0;

ALTER TABLE ONLY CLASS_PERFORMANCE ALTER COLUMN InSem1 SET DEFAULT 0;

ALTER TABLE ONLY CLASS_PERFORMANCE ALTER COLUMN InSem2 SET DEFAULT 0;

ALTER TABLE ONLY CLASS_PERFORMANCE ALTER COLUMN EndSem SET DEFAULT 0;

ALTER TABLE ONLY CLASS_ATTENDANCE ALTER COLUMN Presents SET DEFAULT 0;
```