

CREATE TABLE PROGRAMME(

PROG\_CODE VARCHAR(30),

PROG\_NAME VARCHAR(50) NOT NULL,

DURATION INT(3) DEFAULT 0 ,

FEES DOUBLE(6,2) NOT NULL,

NFQ\_LEVEL INT(3)DEFAULT 0,

TOTAL\_ECTS INT(5)DEFAULT 0,

FULL\_PART\_TIME ENUM('FULL\_TIME','PART\_TIME') DEFAULT 'FULL\_TIME',

DATE\_CREATED DATETIME DEFAULT CURRENT\_TIMESTAMP,

LAST\_UPDATED TIMESTAMP,

PRIMARY KEY(PROG\_CODE));

CREATE TABLE MODULE(

MODULE\_CODE VARCHAR(30),

MODULE\_NAME VARCHAR(50) NOT NULL,

ECTS INT(4) NOT NULL,

DATE\_CREATED DATETIME DEFAULT CURRENT\_TIMESTAMP,

LAST\_UPDATED TIMESTAMP,

PRIMARY KEY(MODULE\_CODE));

CREATE TABLE PROG\_MODULE(

PROG\_CODE VARCHAR(30),

MODULE\_CODE VARCHAR(30),

DATE\_CREATED DATETIME DEFAULT CURRENT\_TIMESTAMP,

LAST\_UPDATED TIMESTAMP,

PRIMARY KEY(PROG\_CODE,MODULE\_CODE),

FOREIGN KEY(PROG\_CODE) REFERENCES PROGRAMME(PROG\_CODE) ON DELETE CASCADE ON UPDATE CASCADE,

FOREIGN KEY(MODULE\_CODE) REFERENCES MODULE(MODULE\_CODE) ON DELETE CASCADE ON UPDATE CASCADE);

CREATE TABLE CLASS\_GROUP(

GROUP\_ID VARCHAR(5),

PROG\_CODE VARCHAR(30) NOT NULL,

DATE\_CREATED DATETIME DEFAULT CURRENT\_TIMESTAMP,

LAST\_UPDATED TIMESTAMP,

PRIMARY KEY(GROUP\_ID),

FOREIGN KEY (PROG\_CODE) REFERENCES PROGRAMME(PROG\_CODE) ON DELETE CASCADE ON UPDATE CASCADE);

CREATE TABLE TEACHER(

TEACHER\_ID VARCHAR(30),

TITLE ENUM('MR','MRS','MS','MISS','DR','PROF') DEFAULT 'PROF',

FIRST\_NAME VARCHAR(40) NOT NULL,

LAST\_NAME VARCHAR(40) NOT NULL,

ADDRESS\_1 VARCHAR(50) NOT NULL,

ADDRESS\_2 VARCHAR(50) NOT NULL,

CITY VARCHAR(50) NOT NULL,

NATIONALITY VARCHAR(50),

DOB DATE,

GENDER ENUM('MALE','FEMALE') NOT NULL,

EMAIL VARCHAR(40) NOT NULL,

TELEPHONE\_NUMBER VARCHAR(15) UNIQUE,

LOGIN\_PASSWORD VARCHAR(20) NOT NULL UNIQUE,

IMAGE BLOB DEFAULT NULL,

DATE\_CREATED DATETIME DEFAULT CURRENT\_TIMESTAMP,

LAST\_UPDATED TIMESTAMP,

PRIMARY KEY(TEACHER\_ID));

CREATE TABLE TEACHER\_TEACH(

MODULE\_CODE VARCHAR(30),

GROUP\_ID VARCHAR(5),

TEACHER\_ID VARCHAR(30),

DATE\_CREATED DATETIME DEFAULT CURRENT\_TIMESTAMP,

LAST\_UPDATED TIMESTAMP,

PRIMARY KEY(MODULE\_CODE,GROUP\_ID,TEACHER\_ID),

FOREIGN KEY(MODULE\_CODE) REFERENCES MODULE(MODULE\_CODE) ON DELETE CASCADE ON UPDATE CASCADE,

FOREIGN KEY(GROUP\_ID) REFERENCES CLASS\_GROUP(GROUP\_ID) ON DELETE CASCADE ON UPDATE CASCADE,

FOREIGN KEY(TEACHER\_ID) REFERENCES TEACHER(TEACHER\_ID) ON DELETE CASCADE ON UPDATE CASCADE);

CREATE TABLE STUDENT(

STUDENT\_ID VARCHAR(30),

TITLE ENUM('','MR','MRS','MS','MISS') DEFAULT '',

FIRST\_NAME VARCHAR(40) NOT NULL,

LAST\_NAME VARCHAR(40) NOT NULL,

ADDRESS\_1 VARCHAR(50) NOT NULL,

ADDRESS\_2 VARCHAR(50) NOT NULL,

CITY VARCHAR(50) NOT NULL,

NATIONALITY VARCHAR(50),

DOB DATE,

GENDER ENUM('MALE','FEMALE') NOT NULL,

EMAIL VARCHAR(40) NOT NULL,

TELEPHONE\_NUMBER VARCHAR(15) UNIQUE,

GROUP\_ID VARCHAR(5) NOT NULL,

IMAGE BLOB DEFAULT NULL,

DATE\_CREATED DATETIME DEFAULT CURRENT\_TIMESTAMP,

LAST\_UPDATED TIMESTAMP,

PRIMARY KEY(STUDENT\_ID),

FOREIGN KEY (GROUP\_ID) REFERENCES CLASS\_GROUP(GROUP\_ID) ON DELETE CASCADE ON UPDATE CASCADE);

CREATE TABLE RESULTS(

MODULE\_CODE VARCHAR(30),

STUDENT\_ID VARCHAR(30),

ASSESSMENT\_1 DOUBLE(4,2) DEFAULT 0.0,

ASSESSMENT\_2 DOUBLE(4,2) DEFAULT 0.0,

ASSESSMENT\_3 DOUBLE(4,2) DEFAULT 0.0,

ASSESSMENT\_4 DOUBLE(4,2) DEFAULT 0.0,

EXAM DOUBLE(4,2) DEFAULT 0.0,

PRIMARY KEY(MODULE\_CODE,STUDENT\_ID),

FOREIGN KEY (MODULE\_CODE) REFERENCES MODULE(MODULE\_CODE) ON DELETE CASCADE ON UPDATE CASCADE,

FOREIGN KEY(STUDENT\_ID) REFERENCES STUDENT(STUDENT\_ID) ON DELETE CASCADE ON UPDATE CASCADE);