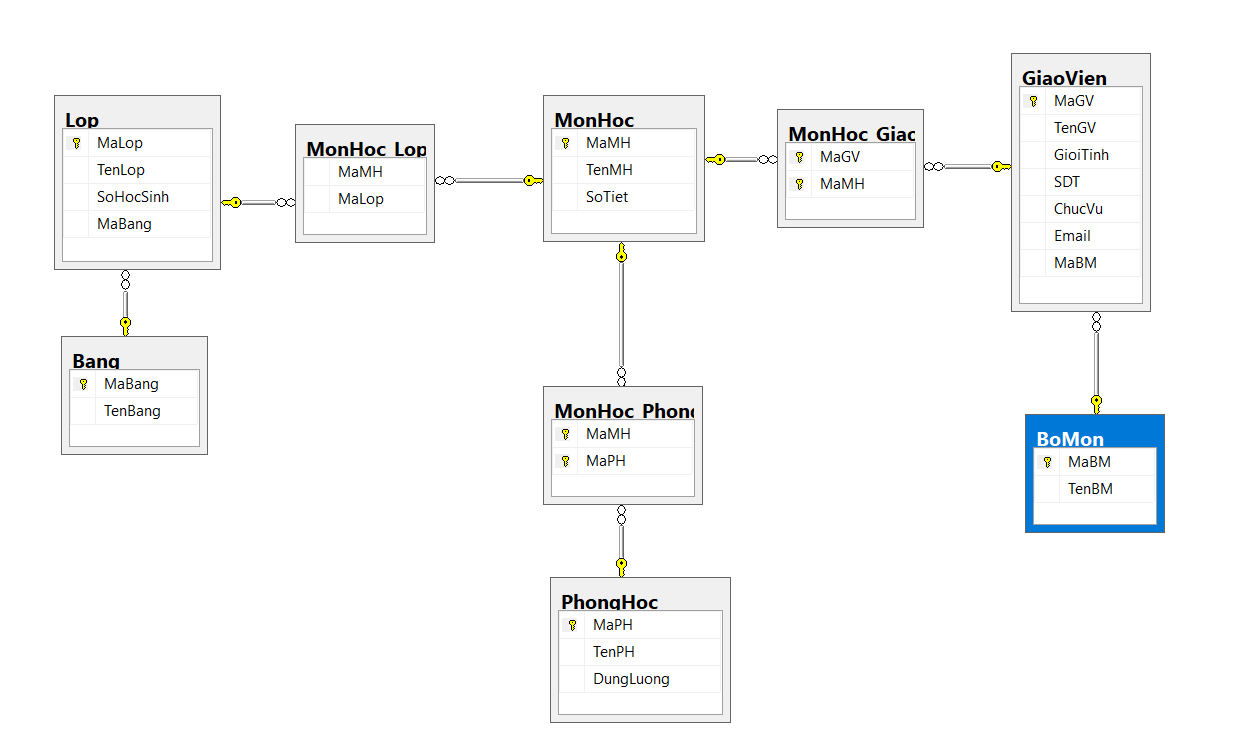
**Nhóm Hậu + Nha: Lập thời khóa biểu**

Tạo cơ sở dữ liệu:

Diagram:



Code tạo cơ sở dữ liệu

use XepThoiKhoaBieu

go

create table MonHoc(

MaMH int primary key,

TenMH nvarchar(50),

SoTiet int

)

go

create table PhongHoc(

MaPH int primary key,

TenPH nvarchar(20),

DungLuong int

)

go

create table BoMon(

MaBM int primary key,

TenBM nvarchar(50),

)

go

create table GiaoVien(

MaGV int primary key,

TenGV nvarchar(50),

GioiTinh nvarchar(10),

SDT varchar(20),

ChucVu nvarchar(50),

Email varchar(50),

MaBM int references BoMon(MaBM)

)

go

create table Bang(

MaBang int primary key,

TenBang nvarchar(10)

)

go

create table Lop(

MaLop int primary key,

TenLop nvarchar(10),

SoHocSinh int,

MaBang int references Bang(MaBang)

)

go

create table MonHoc\_GiaoVien(

MaGV int references GiaoVien(MaGV),

MaMH int references MonHoc(MaMH),

primary key (MaGV,MaMH)

)

go

create table MonHoc\_PhongHoc(

MaMH int references MonHoc(MaMH),

MaPH int references PhongHoc(MaPH),

primary key(MaMH,MaPH)

)

go

create table MonHoc\_Lop(

MaMH int references MonHoc(MaMH),

MaLop int references Lop(MaLop)

)

Nhập liệu:

insert into MonHoc values

(1,N'Toán'),

(2,N'Lý'),

(3,N'Hóa'),

(4,N'Sinh'),

(5,N'Văn'),

(6,N'Anh'),

(7,N'Sử'),

(8,N'Địa'),

(9,N'Công nghệ'),

(10,N'Công dân'),

(11,N'Địa'),

(12,N'Tin'),

(13,N'Thể dục'),

(14,N'Quốc phòng'),

(15,N'Pháp');

go

insert into PhongHoc values

(1,'P1',50),

(2,'P2',50),

(3,'P3',50),

(4,'P4',50),

(5,'P5',50),

(6,'P6',50),

(7,'P7',50),

(8,'P8',50),

(9,'P9',50),

(10,'P10',50),

(11,'P11',50),

(12,'P12',50),

(13,'P13',50),

(14,'P14',50),

(15,'P15',50),

(16,'P16',50),

(17,'P17',50),

(18,'P18',50),

(19,'P19',50),

(20,'P20',50),

(21,'Sân bóng',1000),

(22,'Phòng giáo án điện tử',100);

go

insert into BoMon values

(1,N'Hóa Học'),

(2,N'Lý-Công Nghệ'),

(3,N'Ngữ Văn'),

(4,N'Ngoại Ngữ'),

(5,N'Sử-GDCD'),

(6,N'Sinh-Công Nghệ'),

(7,N'Toán Học'),

(8,N'Thể Dục-ANQP'),

(9,N'Địa Lý'),

(10,N'Tin Học');

go

insert into GiaoVien values

(1,N'Trần Thị Chung',N'nữ','3558054',N'Tổ trưởng bộ môn','ttchung.thpt.ngt@phuyen.edu.vn',1),

(2,N'Lê Thị Như Quỳnh',N'nữ','3558054',N'Tổ phó bộ môn','ltnquynh.thpt.ngt@phuyen.edu.vn',1),

(3,N'Phạm Đình Tiềm',N'nam','3558054',N'Giáo viên','pdtiem.thpt.ngt@phuyen.edu.vn',1),

(4,N'Trần Thị Thúy',N'nữ','3558054',N'Giáo viên','ttthuy.thpt.ngt@phuyen.edu.vn',1),

(5,N'Nguyễn Thị Thanh Tú',N'nữ','3558054',N'Cán bộ Đoàn','ntttu.thpt.ngt@phuyen.edu.vn',1),

(6,N'Lê Thị Hạnh Ngân',N'nữ','3558054',N'Giáo viên','lthngan.thpt.ngt@phuyen.edu.vn',1),

(7,N'Nguyễn Trọng Thế',N'nam','3558054',N'Tổ trưởng bộ môn','ntthe.thpt.ngt@phuyen.edu.vn',2),

(8,N'Nguyễn Đình Trĩ',N'nam','3558054',N'Tổ phó bộ môn','ndtri.thpt.ngt@phuyen.edu.vn',2),

(9,N'Trương Duy Tuấn',N'nam','3558054',N'Thanh Tra nhân dân','tduytuan.thpt.ngt@phuyen.edu.vn',2),

(10,N'Lê Lý',N'nam','3558054',N'Giáo viên','lly.thpt.ngt@phuyen.edu.vn',2),

(11,N'Phạm Ngọc Thanh Lan',N'nữ','3558054',N'Giáo viên','pntlan.thpt.ngt@phuyen.edu.vn',2),

(12,N'Võ Ngọc Huy',N'nam','3558054',N'GIáo viên','vnhuy.thpt.ngt@phuyen.edu.vn',2),

(13,N'Ngô Thị Tiên',N'nữ','3558054',N'Giáo viên','nttien.thpt.ngt@phuyen.edu.vn',2),

(14,N'Lương Thị Vương',N'nữ','3558054',N'Giáo viên','ltvuong.thpt.ngt@phuyen.edu.vn',2),

(15,N'Cao Thị Mỹ Hằng',N'nữ','3558054',N'Giáo viên','ctmhang.thpt.ngt@phuyen.edu.vn',2),

(16,N'Nguyễn Thị Thanh Tuyền',N'nữ','3558054',N'Giáo viên','ntttuyen.thpt.ngt@phuyen.edu.vn',2),

(17,N'Thái Thị Mỹ Hảo',N'nữ','3558054',N'Tổ trưởng bộ môn','ttmhao.thpt.ngt@phuyen.edu.vn',3),

(18,N'Đinh Thị Huệ',N'nữ','3558054',N'Tổ phó bộ môn','dthue.thpt.ngt@phuyen.edu.vn',3),

(19,N'Trần Kim Trúc',N'nam','3558054',N'Giáo viên','tktruc.thpt.ngt@phuyen.edu.vn',3),

(20,N'Huỳnh Thị Thu Thảo',N'nữ','3558054',N'Giáo viên','httthao.thpt.ngt@phuyen.edu.vn',3),

(21,N'Nguyễn Thị Hằng',N'nữ','3558054',N'Giáo viên','nthang.thpt.ngt@phuyen.edu.vn',3),

(22,N'Nguyễn Thị Hiền',N'nữ','3558054',N'Giáo viên','nthien.thpt.ngt@phuyen.edu.vn',3),

(23,N'Trần Thị Bích Hồng',N'nữ','3558054',N'Giáo viên','ttbhong.thpt.ngt@phuyen.edu.vn',3),

(24,N'Nguyễn Thị Lan',N'nữ','3558054',N'Giáo viên','ntlan.thpt.ngt@phuyen.edu.vn',3),

(25,N'Lê Hoài Phương',N'nữ','3558054',N'Giáo viên','lhphuong.thpt.ngt@phuyen.edu.vn',3),

(26,N'Lê Thị Luận',N'nữ','3558054',N'Giáo viên','ltluan.thpt.ngt@phuyen.edu.vn',3),

(27,N'Phạm Anh Tuấn',N'nam','3558054',N'Cán bộ Đoàn','patuan.thpt.ngt@phuyen.edu.vn',3),

(28,N'Trần Lê Thùy Linh',N'nữ','3558054',N'Giáo viên','tltlinh.thpt.ngt@phuyen.edu.vn',3),

(29,N'Lê Thị Thanh Bích',N'nữ','3558054',N'Tổ trưởng bộ môn','lttbich.thpt.ngt@phuyen.edu.vn',4),

(30,N'Đặng Như Thục',N'nữ','3558054',N'Tổ phó bộ môn','dnthuc.thpt.ngt@phuyen.edu.vn',4),

(31,N'Huỳnh Thị Lệ My',N'nữ','3558054',N'Hiệu phó','htlmy.thpt.ngt@phuyen.edu.vn',4),

(32,N'Phạm Thị Bích Thùy',N'nữ','3558054',N'Giáo viên','ptbthuy.thpt.ngt@phuyen.edu.vn',4),

(33,N'Dương Thị Thanh Tuyền',N'nữ','3558054',N'Giáo viên','dtttuyen.thpt.ngt@phuyen.edu.vn',4),

(34,N'Hồ Thị Trúc Giang',N'nữ','3558054',N'Giáo viên','httgiang.thpt.ngt@phuyen.edu.vn',4),

(35,N'Mang Thị Thu Hà',N'nữ','3558054',N'Giáo viên','mttha.thpt.ngt@phuyen.edu.vn',4),

(36,N'Nguyễn Thị Thanh Tịnh',N'nữ','3558054',N'Giáo viên',' ntttinh.thpt.ngt@phuyen.edu.vn',4),

(37,N'Lương Thị Ngọc Thỏa',N'nữ','3558054',N'Giáo viên','ltnthoa.thpt.ngt@phuyen.edu.vn',4),

(38,N'Trần Hạnh Nguyên',N'nữ','3558054',N'Giáo viên','thnguyen.thpt.ngt@phuyen.edu.vn',4),

(39,N'Lê Ngọc Anh Tuệ',N'nam','3558054',N'Giáo viên','lnatue.thpt.ngt@phuyen.edu.vn',4),

(40,N'Bùi Thị Minh Trang',N'nữ','3558054',N'Giáo viên','btmtrang.thpt.ngt@phuyen.edu.vn',4),

(41,N'Nguyễn Thị Hương Thùy',N'nữ','3558054',N'Giáo viên','nththuy.thpt.ngt@phuyen.edu.vn',4),

(42,N'Mai Tấn Điện',N'nam','3558054',N'Hiệu phó','mtdien.thpt.ngt@phuyen.edu.vn',5),

(43,N'Lâm Thị Hương',N'nữ','3558054',N'Hiệu phó','lthuong.thpt.ngt@phuyen.edu.vn',5),

(44,N'Nguyễn Thị Thu Giang',N'nữ','3558054',N'Giáo viên','nttgiang.thpt.ngt@phuyen.edu.vn',5),

(45,N'Nguyễn Ngọc Hùng',N'nam','3558054',N'Tổ phó bộ môn','nnhung.thpt.ngt@phuyen.edu.vn',5),

(46,N'Nguyễn Thị Mai Lan',N'nữ','3558054',N'Giáo viên','ntmlan.thpt.ngt@phuyen.edu.vn',5),

(47,N'Phạm Thị Mai',N'nữ','3558054',N'Giáo viên','ptmai.thpt.ngt@phuyen.edu.vn',5),

(48,N'Trương Thị Ngọc Thạnh',N'nữ','3558054',N'Giáo viên','ttnthanh.thpt.ngt@phuyen.edu.vn',5),

(49,N'Phan Thị Mỹ Tho',N'nữ','3558054',N'Giáo viên','ptmtho.thpt.ngt@phuyen.edu.vn',5),

(50,N'Võ Thị Ánh Thúy',N'nữ','3558054',N'Giáo viên','vtathuy.thpt.ngt@phuyen.edu.vn',5),

(51,N'Võ Thị Bích Vương',N'nữ','3558054',N'Tổ trưởng bộ môn','vtbvuong.thpt.ngt@phuyen.edu.vn',6),

(52,N'Phạm Thị Như Nguyệt',N'nữ','3558054',N'Tổ phó bộ môn','ptnnguyet.thpt.ngt@phuyen.edu.vn',6),

(53,N'Huỳnh Thị Trà My',N'nữ','3558054',N'Giáo viên','huynhtramy.thpt.ngt@phuyen.edu.vn',6),

(54,N'Huỳnh Lê Bảo Trâm',N'nữ','3558054',N'Giáo viên','hlbtram.thpt.ngt@phuyen.edu.vn',6),

(55,N'Nguyễn Thị Thanh Thúy',N'nữ','3558054',N'Giáo viên','nttthuy.thpt.ngt@phuyen.edu.vn',6),

(56,N'Nguyễn Thị Thanh Trúc',N'nữ','3558054',N'Giáo viên','nttthuy.thpt.ngt@phuyen.edu.vn',6),

(57,N'Nguyễn Tú',N'nam','3558054',N'Tổ trưởng bộ môn','ntu.thpt.ngt@phuyen.edu.vn',7),

(58,N'Lê Trung Thành',N'nam','3558054',N'Tổ phó bộ môn','ltthanh.thpt.ngt@phuyen.edu.vn',7),

(59,N'Huỳnh Văn Khánh',N'nam','3558054',N'Hiệu trưởng','hvkhanh.thpt.ngt@phuyen.edu.vn',7),

(60,N'Lê Thành Lợi',N'nam','3558054',N'Giáo viên','ltloi.thpt.ngt@phuyen.edu.vn',7),

(61,N'Ngô Minh Quang',N'nam','3558054',N'Giáo viên','nmquang.thpt.ngt@phuyen.edu.vn',7),

(62,N'Nguyễn Minh Sơn',N'nam','3558054',N'Giáo viên','nminhson.thpt.ngt@phuyen.edu.vn',7),

(63,N'Nguyễn Văn Thành',N'nam','3558054',N'Giáo viên','nvthanh.thpt.ngt@phuyen.edu.vn',7),

(64,N'Đặng Quang Vũ',N'nam','3558054',N'Giáo viên','dqvu.thpt.ngt@phuyen.edu.vn',7),

(65,N'Nguyễn Thị Hồng Hạnh',N'nữ','3558054',N'Giáo viên','nthhanh.thpt.ngt@phuyen.edu.vn',7),

(66,N'Huỳnh Việt Tân',N'nam','3558054',N'Giáo viên','hvtan.thpt.ngt@phuyen.edu.vn',7),

(67,N'Lê Thị Hồng Vân',N'nữ','3558054',N'Giáo viên','lthvan.thpt.ngt@phuyen.edu.vn',7),

(68,N'Trương Trí',N'nam','3558054',N'Giáo viên','ttri.thpt.ngt@phuyen.edu.vn',7),

(69,N'Trần Lê Thanh Nhàn',N'nữ','3558054',N'Giáo viên','tltnhan.thpt.ngt@phuyen.edu.vn',7),

(70,N'Lê Thị Hạnh Nguyên',N'nữ','3558054',N'Giáo viên','lthnguyen.thpt.ngt@phuyen.edu.vn',7),

(71,N'Nguyễn Thị Thùy Linh',N'nữ','3558054',N'Giáo viên','nttlinh.thpt.ngt@phuyen.edu.vn',7),

(72,N'Trần Ngọc Hải',N'nam','3558054',N'Tổ trưởng bộ môn','tnhai.thpt.ngt@phuyen.edu.vn',8),

(73,N'Phan Thái Châu',N'nam','3558054',N'Tổ phó bộ môn','ptchau.thpt.ngt@phuyen.edu.vn',8),

(74,N'Trần Yên Tịnh',N'nam','3558054',N'Giáo viên','tytinh.thpt.ngt@phuyen.edu.vn',8),

(75,N'Lê Thanh Tùng',N'nam','3558054',N'Giáo viên','lttung.thpt.ngt@phuyen.edu.vn',8),

(76,N'Trần Mạnh Hùng',N'nam','3558054',N'Giáo viên','tmanhhung.thpt.ngt@phuyen.edu.vn',8),

(77,N'Nguyễn Thị Ngọc Huệ',N'nữ','3558054',N'Giáo viên','ntnhue.thpt.ngt@phuyen.edu.vn',8),

(78,N'Phạm Thị Thanh Điệp',N'nữ','3558054',N'Tổ trưởng bộ môn','pttdiep.thpt.ngt@phuyen.edu.vn',9),

(79,N'Phạm Thị Hải Anh',N'nữ','3558054',N'Tổ phó bộ môn','pthanh.thpt.ngt@phuyen.edu.vn',9),

(80,N'Lê Văn Nam',N'nam','3558054',N'Giáo viên','lvnam.thpt.ngt@phuyen.edu.vn',9),

(81,N'Lê Thị Trang',N'nữ','3558054',N'Giáo viên','lttrang.thpt.ngt@phuyen.edu.vn',9),

(82,N'Võ Thị Phượng',N'nữ','3558054',N'Tổ trưởng bộ môn','vtphuong.thpt.ngt@phuyen.edu.vn',10),

(83,N'Phan Hồ Kim Quyên',N'nữ','3558054',N'Tổ phó bộ môn','phkquyen.thpt.ngt@phuyen.edu.vn',10),

(84,N'Bùi Thị Tường Uyên',N'nữ','3558054',N'Giáo viên','bttuyen.thpt.ngt@phuyen.edu.vn',10),

(85,N'Huỳnh Thị Tuyết Liên',N'nữ','3558054',N'Giáo viên','httlien.thpt.ngt@phuyen.edu.vn',10),

(86,N'Võ Anh Duy',N'nam','3558054',N'Cán bộ Đoàn','vaduy.thpt.ngt@phuyen.edu.vn',10);

insert into Bang values

(1,'A'),

(2,'B');

insert into Lop values

(1,'10A1',45,1),

(2,'10A2',45,1),

(1,'10A3',45,1),

(4,'10A4',45,1),

(5,'10A5',45,1),

(6,'10A6',45,1),

(7,'10B1',45,2),

(8,'10B2',45,2),

(9,'10B3',45,3),

(10,'10B4',45,2),

(11,'10B5',45,2),

(12,'11A1',45,1),

(13,'11A2',45,1),

(14,'11A3',45,1),

(15,'11A4',45,1),

(16,'11A5',45,1),

(17,'11A6',45,1),

(18,'11B1',45,2),

(19,'11B2',45,2),

(20,'11B3',45,2),

(21,'11B4',45,2),

(22,'12A1',45,1),

(23,'12A2',45,1),

(24,'12A3',45,1),

(25,'12A4',45,1),

(26,'12A5',45,1),

(27,'12A6',45,1),

(28,'12A7',45,1),

(29,'12B1',45,2),

(30,'12B2',45,2),

(31,'12B3',45,2),

(32,'12B4',45,2),

(33,'12B5',45,2),

(34,'12B6',45,2),

(35,'12B7',45,2);

insert into MonHoc\_GiaoVien values

(1,3),

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(12,2),

(13,2),

(14,2),

(16,2),

(7,9),

(8,9),

(9,9),

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(34,15),

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(47,7),

(48,10),

(49,7),

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(76,14),

(77,14),

(78,8),

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(80,8),

(81,8),

(82,12),

(83,12),

(84,12),

(85,12),

(86,12);

insert into MonHoc\_PhongHoc values

(1,1),

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