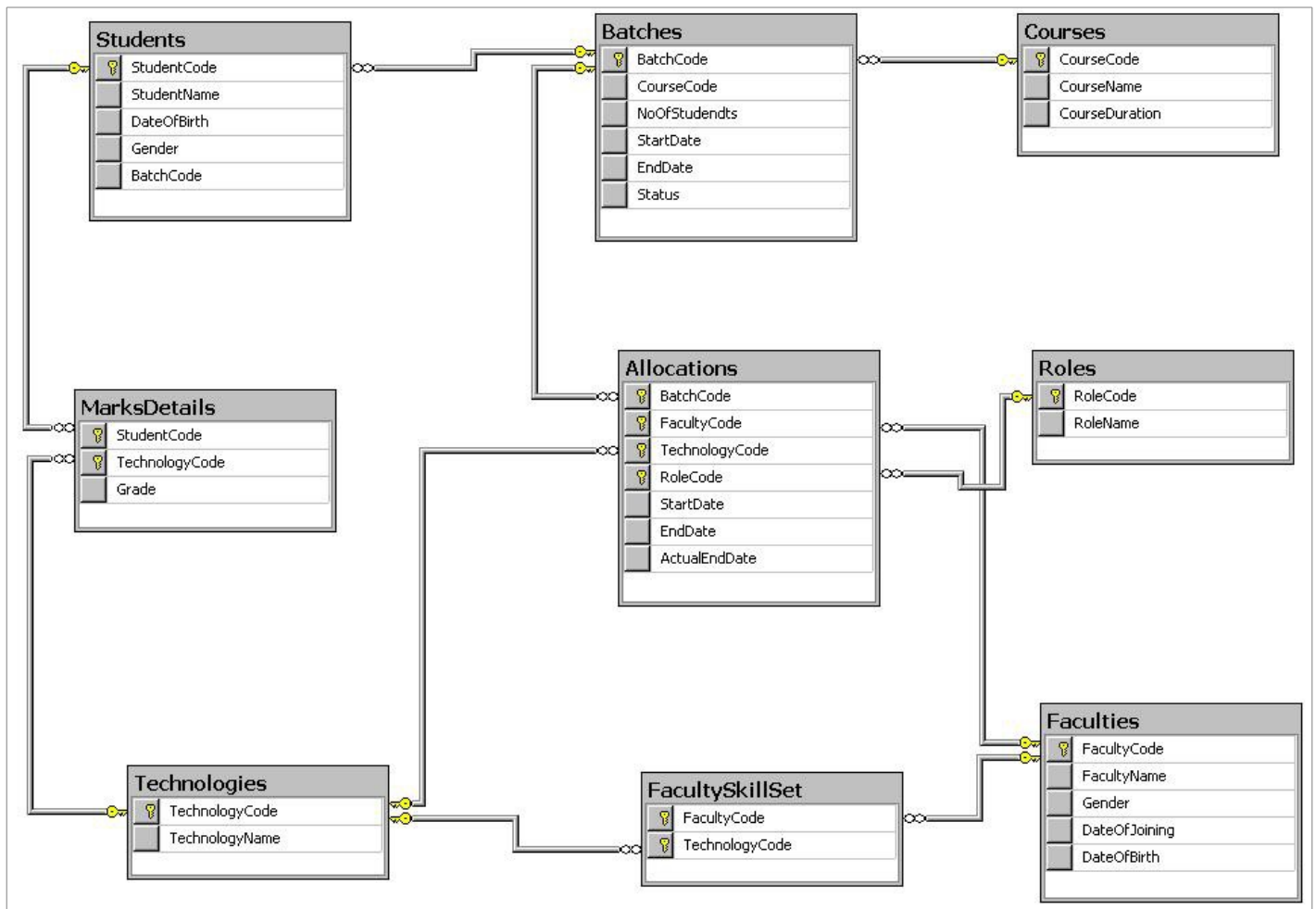This domain explains about training division of IT Company, which is providing different types of training courses for the batches that it has conducted. If training program of a batch has started, then the batch will be trained in various technologies by the allotted faculty. After the completion of each and every technology, students has to write an assessment test and that will be evaluated by the faculty . Management assigns a faculty for a technology based on availability and skill set .

* Initially status of a batch will be "OnGoing" , but if all technologies are completed then the status will be changed as "Completed".

Students
- StudentCode
- StudentName
- DateOfBirth
- Gender
- BatchCode

Batches
- BatchCode
- CourseCode
- NoOfStudendts
- StartDate
- EndDate
- Status

Courses
- CourseCode
- CourseName
- CourseDuration

MarksDetails
- StudentCode
- TechnologyCode
- Grade

Allocations
- BatchCode
- FacultyCode
- TechnologyCode
- RoleCode
- StartDate
- EndDate
- ActualEndDate

Roles
- RoleCode
- RoleName

Technologies
- TechnologyCode
- TechnologyName

FacultySkillSet
- FacultyCode
- TechnologyCode

Faculties
- FacultyCode
- FacultyName
- Gender
- DateOfJoining
- DateOfBirth

<u>SQL:</u>

1) Display student details of the batch which has maximum number of students
2) Display the student details of on going batches
3) Which student of batch-15 has scored maximum marks in SQL?
4) Display technology wise toppers in each batch
5) Display the batches ,for which Mainframes is handled by Mainframe's senior most faculty (The faculty who handled more number of Mainframes batches)
6) Which technology has delayed for maximum number of days ?
7) Display number of students trained under each faculty
8) Which student has scored maximum marks in the batch , handled very recently by senior most faculty ?
9) Which faculty has handled much delayed technology for much delayed batch?
10) Display student wise average marks of batch-16
11) Which technology is handled by many number of faculties ?
12) Display top-5 students of batch-15 in Java
13) Who are all the faculties completed their technologies in given time , for the much delayed batch?
14) Display the details of faculties who handled more than 5 distinct technologies
15) Which technology has not taught by the senior most faculty?
16) In which technology more number of students has failed?
17) Display end dates of the batches , that are started on the same date.
18) Display the students of batch18, who are elder than their faculty of C#.
19) Which technology has completed more number of times with in the specified time ?
20) Display the details of faculty who are not handling any batches as on date .
21) Which faculty has handled more number of SMILE batches ?
22) Which faculty has assisted the senior most faculty for maximum number of times?
23) Which faculty has more number of skills than senior most faculty?
24) Which faculty has handled more number of SMART batches than SMILE batches?
25) Display the total number of smile students , who are about to complete their Advanced-JAVA course in the current month