

Detail Design
On
School College Polytechnique Coaching center Special
Batch Management

Course No: CSE 3204

Course Title: Software Engineering and Information System Project

Project Manager:
Dr. Kazi Masudul Alam
Associate Professor,
Computer Science &
Engineering Discipline,
Khulna University

Md. Arifur Rahman

Student Id: 160208

&

Mrityunjoy Gain

Student Id: 160224

Class Admin:

```
Int adminID()  
String adminName( int adminID )  
String AdminAddress( ID )  
String AdminRole(int ID )  
List< School> getSchoolList( int SchoolID )  
List< college> getCollegeList(int CollegeID )  
List< polytechniqueList > getPolytechniqueList(int polyID)  
List < AdminList> getAdminList(int adminID, String AdminName)  
Boolean AddAdmin(int AdminID, String AdminName)  
Boolean EditAdmin(int AdminID, String AdminName, String AdminAddress)
```

Class Institution:

```
String InstitutionName()  
Int InstitutionID()  
List< School> getSchoolList( int SchoolID )  
List< college> getCollegeList(int CollegeID )  
List< polytechniqueList > getPolytechniqueList(int polyID)
```

Class School:

```
int InstitutionID()  
String InstitutionName(int institutionID)  
List< School> getSchoolList( int SchoolID )
```

List< Student > getStudentList(int StudentID)
Boolean EditSchool(School)
Boolean AddSchool(School)
String getStudentResult(int StudentID)
String getParentsContactNo(int ParentID)
List< Teacher> getTeacherList(Teacher)
Boolean AddSchool(School)
Boolean EditSchool(School)
String ResultInfo(int StudentID)

Class College:

int InstitutionID()
String InstitutionName(int institutionID)
List< College> getCollegeList(int CollegeID)
List< Student > getStudentList(int StudentID)
Boolean EditCollege (College)
Boolean AddCollege (College)
String getStudentResult(int StudentID)
String getParentsContactNo(int ParentID)
List< Teacher> getTeacherList(Teacher)
Boolean AddCollege(College)
Boolean EditCollege(College)
String ResultInfo(int StudentID)

Class Polytechnique:

```
int InstitutionID()  
String InstitutionName(int institutionID)  
List< Polytechnique> get PolytechniqueList( int PolytechniqueID )  
List< Student > getStudentList( int StudentID)  
Boolean EditPolytechnique (Polytechnique)  
Boolean AddPolytechnique (Polytechnique)  
String getStudentResult(int StudentID)  
String getParentsContactNo(int ParentID)  
List< Teacher> getTeacherList(Teacher)  
Boolean Add_Polytechnique(Polytechnique)  
Boolean Edit_Polytechnique(Polytechnique)  
String ResultInfo(int StudentID)
```

Class CoachingCenter:

```
int InstitutionID()  
String InstitutionName(int institutionID)  
List< Coachingcenter> get Coachingcenter( int CoachingcenterID)  
List< Student > getStudentList( int StudentID)  
Boolean EditCoachingcenter (Coachingcenter)  
Boolean AddCoachingcenter (Coachingcenter)  
String getStudentResult(int StudentID)
```

String getParentsContactNo(int ParentID)
List< Teacher> getTeacherList(Teacher)
Boolean AddCoachingcenter (Coachingcenter)
Boolean EditCoachingcenter (Coachingcenter)
String ResultInfo(int StudentID)

Class SpecialBatch:

int InstitutionID()
String InstitutionName(int institutionID)
List< Specialbatch> getSpecialbatch(int SpecialbatchID)
List< Student > getStudentList(int StudentID)
Boolean EditSpecialbatch(Specialbatch)
Boolean AddSpecialbatch(Specialbatch)
String getStudentResult(int StudentID)
String getParentsContactNo(int ParentID)
List< Teacher> getTeacherList(Teacher)
Boolean AddSpecialbatch(Specialbatch)
Boolean EditSpecialbatch(Specialbatch)
String ResultInfo(int StudentID)

Class Student:

Int getStudentID()
String getStudentName(int ID)

List<Student> getStudentList(int ID, String Name)

Boolean Admission(int institutionID)

Boolean AddStudent(Student)

Boolean EditStudent(Student)

Boolean SearchStudent(Student)

Int getAttendance(int ID)

Int getMarks(int ID)

String Address(int ID)

String getClassSchedule()

Class Parent:

Int getParent()

String getParentName(int ID)

List<Parent> getParentList(int ID, String Name)

Int getMarks(int StudentID,int institutionID)

String Address(int ID)

Boolean AddParent(Parent)

Boolean EditParent(Parent)

Boolean JoinMeeting(int StudentID, int InstitutionID)

String ReceiveMessage(int StudentID, int InstitutionID)

String getClassSchedule()

Class Teacher:

Int getTeacher()
String getTeacherName(int ID)
List< Teacher > getTeacherList(int ID, String Name)
Boolean AddTeacher(Teacher)
Boolean EditTeacher(Teacher)
Boolean CallMeeting()
String SendMessage(int StudentID, int ParentID)
String getClassSchedule()

Class MeetingSchedule:

Boolean CallMeeting(int ParentID, int TeacherID)
String meetingTime(ID)
Boolean Edit meetingTime(MeetingSchedule)
String getMeetingPlace()
String getMeetingTopic()

Class ClassSchedule:

String getClassTime()
String getClassTeacher(int TeacherID)
Boolean EditClassSchedule(ClassSchedule)

Class TuitionFees:

String getInstitutionID()

String getTuitionAmount(TuitionFees)