Assignment 4

Step 1: Actors / Nouns: 1. Students

2. Faculty

3. HOD

4. Lecturer

5.Admin Staff

Step 2: Activities / Use Cases: Student: viewMarks(), viewAttendance(),

Admin Staff: registerStudents()

HOD: allocateCoursesToLecturers(), modifyAllocationofCoursesToLecturers()

Lecturer: updateStudentsMarks(), markStudentAttendance()

Step 3: Relationships: HOD - IS A – Faculty

Lecturer – IS A – Faculty

Full time Lecturer – IS A – Lecturer

Visiting Lecturer – IS A - Lecturer

Department – HAS A – HOD (includes)

Department – HAS A – lecturers (Includes)

Semester – HAS – Courses (includes)

Graduate student – IS A – Student

Post Grad Student – IS A Student

Assignment 5:

Step 1: Nouns: 1. Students

2. Faculty

3. HOD

4. Lecturer

5.Admin Staff

Step 2:

Step 3:

1. Students: - studentId

-studentName

-residentialStatus

-marks (has a)

-noofpresentdays

+viewMarks();

+viewAttendance()

2. Faculty: -facultyName

-departmentName

3. HOD :

+ allocateCourseToLecturers()

+modifyAllocationToLecturers()

4. Lecturer:

+updateMarksOfStudents()

+markAttendanceOfStudents()

5.Admin Staff

-name

+ registerStudentsForCourses()

Step 4:

Step 5:

Step 6:

Step 7:

Step 8:

Step 9:

Step 10;