|  |  |  |  |
| --- | --- | --- | --- |
| **EVENTS** | *Admin\_Support* | | **Part:**1/2 |
| **COMMENT:**  External events that cause representative types of behavior | | **INDEXING**  **Created:**  **Revised:** | |
| **External (incoming)** | Involved object types | | |
| Request to register | Student Records, Lecturers, Course Records, Personal Tutor | | |
| Request to accept | Student Records, Lecturers, Course Records, Personal Tutor | | |
| Request to assign | Student, Lecturers, Course, Module, Assignment | | |
| Request to register attendance | Student, Lecturers, Module | | |
| Selection of a session | Timetable, Diary | | |

3.3 Detailed Dynamic System Designs

3.3.1 Events Charts

3.3.2 Object Creation Charts

3.3.3 System Scenario Charts

3.3.4 Dynamic Diagrams

**INCOMING EVENTS CHART:**

|  |  |  |  |
| --- | --- | --- | --- |
| **EVENTS** | *Admin\_Support* | | **Part:** 2/2 |
| **COMMENT:**  Internal events that cause representative types of behavior | | **INDEXING**  **Created:**  **Revised:** | |
| **External (incoming)** | Involved object types | | |
| Invitations are sent | Student, Lecturers, Course, Personal Tutor | | |
| Mail for verification is sent | Student, Lecturers, Course, Personal Tutor | | |
| An information is sent | Student, Course | | |
| Warning issued for exceeding session capacity | Course, Assignment, Timetable, Diary | | |
| An author notification is sent | Student, Lecturers, Course | | |

**Outgoing Events:**

**OBJECT CREATION CHART:**

|  |  |  |  |
| --- | --- | --- | --- |
| **CREATION** | *Admin\_Support* | | **Part:** 1/1 |
| **COMMENT:**  List of classes creating object in the system | | **INDEXING**  **Created:** | |
| **Class** | **Creates instances of** | | |
| Student | Profile, Course, Assignment, Attendance | | |
| Lecturers | Profile, Course, Assignment, Attendance | | |
| Course | Description, Assignment, Timetable | | |
| Personal Tutor | Profile, Id, Course | | |
| Attendance | Student\_name, student\_id, Year, Level, Lecturer\_name | | |
| Assignment | Subject\_name, Lecturer\_name | | |
| Timetable | Student, lecturer, course | | |
| Diary | Event, Location , Time | | |

System Scenario Chart:

|  |  |  |  |
| --- | --- | --- | --- |
| **SCENARIO** | *Student* | | **Part:** 1/1 |
| **COMMENT:**  A collection of representative scenarios illustrating key aspects of system behavior. | | **INDEXING**  **Created:** | |
| **Send out calls and invitations:**  Using mailing list and records of visitors, prepare send out calls for student and invitations to the University. | | | |
| **Register student:**  Student are registered and the record is recorded in student data. | | | |
| **Assign Course and notify lecturer:**  A selected student is enrolled in the course and the notification letter is created and sent to lecturer. | | | |
| **Register attendance:**  An attendance is registered with his/her presence in the respective classes. | | | |
| **Print timetable list:**  The corresponding time of class with lecturer is printed. | | | |

**Dynamic Diagrams:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| |  | | --- | | **Software** |  |  | | --- | | **Admin** |      |  | | --- | | **Staff** |  |  | | --- | | **Student** | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Scenario: Assign a course to student and begins session** | | 1. **Admin enrolled student** 2. **Admin assign Course** 3. **Admin assign course to lecturer** 4. **Course begins** |  |  | | --- | | Lecturer |  |  | | --- | | Course |  |  | | --- | | Admin |  |  | | --- | | Student | |