|  |  |
| --- | --- |
| **Ex No:1** | **PASSPORT AUTOMATION SYSTEM** |
| **Date:** |

**AIM:**

To draw the diagrams [use case, activity, sequence, collaboration, class, state chart, collaboration, component, deployment, package] for the Passport Automation System.

**USE CASE DIAGRAM:**

This diagram will contain the actors, use cases which are given below

**Actors:** Applicant, Enquiry Officer.

**Use case**: Applicant details, Applicant proof, Verification of proof, Issue of passport, Cancellation of the passport.

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**CLASS DIAGRAM:**

This diagram consists of the following classes, attributes and their operations.

|  |  |  |
| --- | --- | --- |
| **CLASSES** | **ATTRIBTES** | **OPERATIONS** |
| Passport management system | Verify details, Store proof | Verification of proof() |
| Enquiry officer | Applicant details | Issue of passport() |
| Applicant | Name, Details | Apply passport() |

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**ACTIVITY DIAGRAM:**

This diagram will have the activities as Start point, End point, Decision boxes as given below:

**Activities:** Enter applicant details, Submission of proof, Verification of details, Issue of passport.

**Decision box:** Check details whether it is correct or not.



|  |  |
| --- | --- |
| **Ex: No:02** | **BOOK BANK REGISTRATION SYSTEM** |
| **Date:** |

**AIM:**

To draw the diagrams [use case, activity, sequence, collaboration, class, state chart, collaboration, component, deployment, package] for the Book bank registration system.

**USE CASE DIAGRAM:**

This diagram will contain the actors, use cases which are given below

**Actors:** Student, book bank admin.

**Use case**: Student details, register, verify student id, return previous books, request of books, issue of books, check of book availability.



**CLASS DIAGRAM:**

This diagram consists of the following classes, attributes and their operations.

|  |  |  |
| --- | --- | --- |
| **CLASSES** | **ATTRIBTES** | **OPERATIONS** |
| Computer | Student record,  Book list | Enter issue(),  Check availability() |
| Stud | Student details | Request for books(),  Register() |
| Admin | Student details,  Book list | Verify student id(),  Issue books() |



**ACTIVITY DIAGRAM:**

This diagram will have the activities as Start point, End point, Decision boxes as given below:

**Activities:** Verify id, return books, request for books, enter book issue details in system, issue books

**Decision box:** Check availability of books whether it is present or not.

