**GROUP 5.9**

**Name - Rushikesh Nalla**

**ID - 201401106**

**Name - Omkar Damle**

**ID - 201401114**

**CLASS MODELLING**

**CENTRALISED SCHOLARSHIP MANAGEMENT SYSTEM**

**TABLE INITIAL NOUNS**

Please refer to the following short forms used :

**A - Accept, R - reject, V - vague, I - irrelevant, At - attributes, As - Association, G - General. S - Synonyms, E - External entities**

|  |  |  |
| --- | --- | --- |
| **Initial nouns** | **Decision** | **Reason** |
| Database | R | V |
| Organisation | R | V |
| Student | A |  |
| Scholarship | A |  |
| criteria | R | AT |
| people | R | G |
| academic | R | G |
| education | R | G |
| features | R | G |
| system | R | V |
| motivation | R | V |
| support | R | V |
| workflow | R | V |
| form | R | AT |
| programme | R | V |
| documents | R | AT |
| transcript | R | AT |
| LOR | R | AT |
| funding | R | V |
| fees | R | V |

|  |  |  |
| --- | --- | --- |
| **Initial nouns** | **Decision** | **Reason** |
| expenditure | R | V |
| undergraduate | R | G |
| portal | A |  |
| Type of scholarship | R | AT |
| school | R | AT |
| college | R | AT |
| university | R | AT |
| Level of education | R | AT |
| Field of study | R | AT |
| Private scholarship | R | G |
| Company scholarship | R | G |
| Financial condition | R | V |
| Funding Organization | A |  |
| profile | A |  |
| Application status | R | AT |
| email | R | AT |
| interview | R | I |
| date | R | V |
| time | R | V |
| awards | R | G |
| money | R | G |

|  |  |  |
| --- | --- | --- |
| **Initial nouns** | **Decision** | **Reason** |
| software | R | V |
| paperwork | R | V |
| applicant | R | S |
| Scholarship amount | R | AT |
| information | R | G |
| newspaper | R | I |
| pamphlets | R | I |
| repository | R | G |
| awareness | R | G |
| feature | R | G |
| application | A |  |
| bank | R | E |
| forum | R | I |
| category | R | AT |
| algorithm | R | G |
| finance | R | G |
| deadline | R | AT |
| international | R | V |

|  |  |  |
| --- | --- | --- |
| **Initial nouns** | **Decision** | **Reason** |
| option | R | I |
| resources | R | G |
| Student bank account | R | AT |
| authentication | R | V |
| record | R | G |
| internship | R | G |
| calendar | R | G |
| Scholarship Duration | R | AT |
| recommendation | R | V |
| Government | R | G |
| pool | R | G |
| Scholarship filter | R | S |
| research | R | V |
| funds | R |  |
| payment | A |  |

**TABLE NOUN ANALYSIS**

|  |  |
| --- | --- |
| **POTENTIAL CLASSES** | **ATTRIBUTES LIST** |
| Student | -Criteria |
| Scholarship | -Form |
| Portal | -Documents |
| Funding organisation | -Transcript |
| Profile | -LOR |
| Payment | -Scholarship type |
| Software Manager | -Field of study |
| Scholarship application | -Application status |
|  | -Email |
|  | -Scholarship Duration |
|  | -Student bank account |
|  | -deadline |
|  | -category |
|  | -Scholarship amount |
|  | -school/college/university |
|  | -Education level |

**FINAL CLASSES:**

|  |  |  |
| --- | --- | --- |
| **Classes** | **Attributes** | **Methods** |
| Student | Student Name, School/College/University, Documents, Transcript, Education Level, Field of Study, Email, Bank account, Category. | Login/Manage Account, Upload Documents, Accept/Reject Scholarship, Apply For Scholarship |
| Scholarship | Scholarship Name, Criteria, Form, Funding Organization, Scholarship Type, Scholarship Duration, Scholarship Deadline, Scholarship Amount |  |
| Funding organisation | Funding Organization Name, Funding Organization Type | Login/Manage Account,Select/Notify Students, Add/Update/Delete Scholarship, Payment Initiation |
| Software Manager | Name | Verify Funding Organization |
| Portal |  |  |
| Scholarship Application | Student Name, Scholarship Name, Application status, LOR, Documents, Academic Data |  |
| Payment |  |  |