**Entity Names:**

1. Role Master
2. User Master
3. Member Master
4. Organization Master
5. Review Type Master
6. Review Master
7. Paper Master
8. Submissions
9. Member Category Master
10. Service Master
11. Payment Master
12. Deliverable Master
13. Transaction Master
14. Deliverable Status
15. Attendance on Desk
16. Attendance in Hall
17. Subject Master
18. Member-Deliverables Mapper
19. Certificate Member Mapper
20. Certificate Master
21. Event Master
22. Track Master

Primary Key

Foreign Key

Primary Key + Foreign Key

**Attributes of Each Entity:-**

1. **Role Master**

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | **Data type** | **Constraint** | **Description** |
| RID | Varchar2 | Primary key | Start with ‘r’ |
| RROLE | Varchar2 | Unique |  |
| RNAME | Varchar2 |  |  |
| RHASH | Varchar2 | Unique |  |
| RDIRTY | Tiny int |  | To Delete the user role set it to true. |

1. **User Master**

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | **Data type** | **Constraint** | **Description** |
| UID | Varchar2 | Primary key | Start with ‘u’ |
| RID | Varchar2 | Foreign key | Dependent on role master RID |
| UNAME | Varchar2 |  |  |
| UPASS | Varchar2 |  |  |
| UEMAIL | Varchar2 | Primary key |  |
| REGISTRAR | Varchar2 |  |  |
| UHASH | Varchar2 | Unique |  |
| UDIRTY | Tiny int |  | To Delete the user role set it to true. |
| UDOR | Date |  |  |

1. **Member Master**

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | **Data type** | **Constraint** | **Description** |
| MID | Varchar2 | PRIMARY KEY |  |
| MNAME | Varchar2 |  |  |
| MADDRESS | Varchar2 |  |  |
| MPINCODE | Big int |  |  |
| MEMAIL | Varchar2 | UNIQUE |  |
| MIEEEMEMNO. | Big int |  |  |
| MPASSWORD | Varchar2 |  |  |
| MDOR | Date |  |  |
| MHASHTAG | Varchar2 | UNIQUE |  |
| MFAX | Big int |  |  |
| MPHONE | Big int |  |  |
| MMOBILE | Big int |  |  |
| MDESIGNATION | Varchar2 |  |  |
| MCSIMEMNO | Varchar2 |  |  |
| MIETEMEMNO | Varchar2 |  |  |
| MOID |  | FOREIGN KEY | Depend upon OID of organization master |
| MBIODATAPATH |  |  |  |
| MCATID |  | FOREIGN KEY | Depend upon memcatID of member Category master |
| MEXPERIENCE | Tiny int |  |  |
| MDIRTY | TINY INT |  |  |

1. **Organization Master**

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | **Data type** | **Constraint** | **Description** |
| OID | Varchar2 | Primary key |  |
| ONAME | Varchar2 | Unique |  |
| OSHORTNAME | Varchar2 | Unique |  |
| OADDRESS | Varchar2 |  |  |
| OEMAIL | Varchar2 | Unique |  |
| OPHONE | Big int | Unique |  |
| OCONTACTPERSON | Varchar2 |  |  |
| OFAX | Big int | Unique |  |
| OHASHTAG | Varchar2 | Unique |  |
| ODIRTY | Tiny int |  |  |
| ODOR | Date |  |  |

1. **Review Master**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attribute** | **Data type** | | **Constraint** | | **Description** |
| REVIEWID | Varchar2 | | Primary key | |  |
| REVIEWLASTMADAT | Date | |  | |  |
| REVIEWMSG | Varchar2 | |  | |  |
| REVIEWER | Varchar2 | |  | |  |
| REIVIEWTYPE | Varchar2 | | Foreign Key | | Depend upon rvid of paper review type master |
| REVIEWPID | Int | | Foreign Key | | Depend upon pid of paper master |
| PDOOPATH | | Varchar2 |  |  | |
| PABAPATH | | Varchar2 |  |  | |
| REVIEWDOR | Date | |  | |  |
| REVIEWDIRTY | Tiny int | |  | |  |
| REVIEWHASHTAG | Varchar2 | | unique | |  |

1. **Paper Master**

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | **Data type** | **Constraint** | **Description** |
| PID | Tiny int | Primary key |  |
| PTITLE |  |  |  |
| PEID |  | Foreign key | Depend upon eid of event master |
| PDATEOF  SUBMISSION | Date |  |  |
| PTRACKID | Tiny int | Foreign key | Depend upon trackid of track master |
| PSUBJECTID | Tiny int | Foreign key | Depend upon subject code of subjects master |
| PDOOPATH | Varchar2 |  | Move to review master |
| PABAPATH | Varchar2 |  | Move to review master |
| PCONTACT  AUTHOURID | Tiny int | Foreign key |  |
| PSESSIONASSIGNED | Tiny int |  |  |
| PHASHTAG | Varchar2 | Unique |  |
| PDIRTY | Tiny int |  |  |
| PDOR | Date |  |  |

1. **Submissions**

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | **Data type** | **Constraint** | **Description** |
| SID | Tiny int | Primary key |  |
| SEID | Tiny int | Foreign key | Depend upon eid of event master |
| SPID | Tiny int | Foreign key | Depend upon pid of paper master |
| SMID | Tiny int | Foreign key | Depend upon mid of member master |
| SDOR | Date |  |  |
| SHASHTAG | Varchar2 | Unique |  |
| SDIRTY | Tiny int |  |  |

1. **Member Category Master**

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | **Data type** | **Constraint** | **Description** |
| MEMCATID | Tiny int | Primary key |  |
| MEMCATNAME | Varchar2 | Unique |  |
| MDOR | Date |  |  |
| MHASHTAG | Varchar2 | Unique |  |
| MDIRTY | Tiny int |  |  |

1. **Service Master**

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | **Data type** | **Constraint** | **Description** |
| SERVICEID | Tiny int | Primary key |  |
| SNAME | Varchar2 |  |  |
| SBASICFEE | Int |  |  |
| SDIRTY | Tiny int |  |  |
| SHASHTAG | Varchar2 | unique |  |

1. **Payment Master**

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | **Data type** | **Constraint** | **Description** |
| PAYMENTID | Tiny int | Primary key |  |
| PMID | Tiny int | Foreign key  Not NULL | Depend upon mid of member master |
| PSID | Tiny int | Foreign key | Depend upon sid of submissions |
| PSERVICEID | Tiny int | Foreign key | Depend upon serviced of service master |
| PREMARKS | Varchar2 |  |  |
| PDISCOUNT | Tiny int |  |  |
| PDOR | Date |  |  |
| PDIRTY | Tiny int |  |  |
| PHASHTAG | Varchar2 | Unique |  |

1. **Deliverables Master**

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | **Data type** | **Constraint** | **Description** |
| DELIVERABLESID | Tiny int | Primary key |  |
| DELIVERABLESNAME | Varchar2 |  |  |
| DELIVERABLESDOR | Date |  |  |
| DELIVERABLESDIRTY | Tiny int |  |  |
| DELIVERVABLES  HASHTAG | Varchar2 | Unique |  |

1. **Transaction Master**

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | **Data type** | **Constraint** | **Description** |
| TID | Tiny int | Primary key |  |
| TPAYMENTID | Tiny int | Foreign key | Depend upon paymentid of payment master |
| TMID | Tiny int | Foreign key | Depend upon mid of member master |
| TAMOUNT | Int |  |  |
| TTIMESTAMP | Date | Unique |  |
| TREMARKS | Varchar2 |  |  |
| TDIRTY | Tiny int |  |  |
| THASHTAG | Varchar2 | Unique |  |

1. **Deliverable Status**

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | **Data type** | **Constraint** | **Description** |
| DSID | Tiny int | Primary key |  |
| DEID | Tiny int | Foreign key | Depend upon eid of event master |
| DMID | Tiny int | Foreign key | Depend upon mid of member master |
| DMDMAPPINGID | Tiny int |  |  |
| DSTATUS | Tiny int |  |  |
| DSDIRTY | Tiny int |  |  |
| DSDOR | Date |  |  |
| DSHASHTAG | Varchar2 | unique |  |

1. **Attendance on Desk**

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | **Data type** | **Constraint** | **Description** |
| ADMID | Tiny int | P+F |  |
| ADEID | Tiny int | Foreign key | Depend upon eid of event master |
| ADSTATUS | Tiny int |  |  |
| ADDIRTY | Tiny int |  |  |
| ADDOR | Date |  |  |
| ADHASHTAG | Varchar2 | unique |  |

1. **Attendance in Hall**

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | **Data type** | **Constraint** | **Description** |
| AHMID | Tiny int | P+F |  |
| AHEID | Tiny int | Foreign key | Depend upon eid of event master |
| AHSTATUS | Tiny int |  |  |
| AHDIRTY | Tiny int |  |  |
| AHDOR | Date |  |  |
| AHHASHTAG | Varchar2 | unique |  |

1. **Subject Master**

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | **Data type** | **Constraint** | **Description** |
| SUBJECTCODE | Tiny int | Primary key |  |
| SNAME | Varchar2 |  |  |
| STRACKID | Tiny int | Foreign key | Depend upon trackid of track master |
| SDESCRIPTION | Varchar2 |  |  |
| SDIRTY | Tiny int |  |  |
| SDOR | Date |  |  |
| SHASHTAG | Varchar2 | Unique |  |

1. **Track Master**

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | **Data type** | **Constraint** | **Description** |
| TRACKID | Tiny int | Primary key |  |
| TRACKNAME | Varchar2 |  |  |
| TEID | Tiny int | Foreign key | Depend upon eid of event master |
| TDESCRIPTION | Varchar2 |  |  |
| TDIRTY | Tiny int |  |  |
| TDOR | Date |  |  |
| THASHTAG | Varchar2 | Unique |  |

1. **Event Master**

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | **Data type** | **Constraint** | **Description** |
| EID | Tiny int | Primary key |  |
| ENAME | Varchar2 |  |  |
| EDESCRIPTION | Varchar2 |  |  |
| ESTARTDATE | Date |  |  |
| EENDDATE | Date |  |  |
| ECLEARMINDUESBY | Date |  |  |
| EPAPERSUBMISSION  STARTDATE | Date |  |  |
| EPAPERSUBMISSION  STOPDATE | Date |  |  |
| EABSTRACTSUBMISSION  STOPDATE | Date |  |  |
| EABSTRACTACCEPTENCE  NOTIFICATION | Varchar2 |  |  |
| EPAPERSUBMISSION  NOTIFICATION | Varchar2 |  |  |
| EREVIEWINFOAVAIL  AFTER | Varchar2 |  |  |
| EINFO | Varchar2 |  |  |
| EATTACHMENT | Varchar2 |  |  |
| EMAIL | Varchar2 |  |  |
| EDOR | Date |  |  |
| EDIRTY | Tiny int |  |  |
| EHASHTAG | Varchar2 | Unique |  |

1. **Certificate Master**

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | **Data type** | **Constraint** | **Description** |
| CID | Tiny int | Primary key |  |
| CNAME | Varchar2 |  |  |
| CDOR | Date |  |  |
| CDIRTY | Tiny int |  |  |
| CHASHTAG | Varchar2 | Unique |  |

1. **Certificate Member Master**

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | **Data type** | **Constraint** | **Description** |
| CMMEMBERCATID | Tiny int | Foreign key | Depend upon membercatid of member category id |
| CMMAPPINGID | Tiny int | Primary key |  |
| CMDOR | Date |  |  |
| CMDIRTY | Tiny int |  |  |
| CMHASHTAG | Varchar2 |  |  |
| CMCID | Tiny int | Foreign key | Depend upon cid of certificate Master |

**Relationship Overview**

|  |  |  |
| --- | --- | --- |
| **Table 1** | **Related to - Table 2** | **Relationship(description)** |
| Role Master | User Master | 1-to-many. Role master contains n number of roles played by different users of the system. |
| User Master | Role master | User master dependent on role master for the specification of the roles to different users. |
| Member Master | Organization master | Many-to-1. Members belong to an organization. |
| Paper master | Members can submit different papers. |
| Payment master | Many-to-many. Members pay the fee for the paper(s). |
| Attendance on desk | One-to-one. Members mark the attendance on helpdesk. |
| Attendance in Hall | One-t—one. Members mark the attendance in hall. |
| Event master | Member is marked for the event he/she belongs to. |
| Submissions | Members submit the paper(s). |
| Transaction master | Member’s fee transactions are recorded. |
| Deliverable status | Member is assigned an deliverable status |
| Organization Master |  |  |
| Review Master | Paper master | Many-to-1. Reviewers have papers to review. |
| Paper Master | Subject Master | One-to-many. Paper main have different subjects |
| Track master | Many-to-1. Paper(s) presented in track. |
| Event master  Submissions | Many-to-1. For One event n number of papers can be submitted.  One-to-one. Paper submission log is updated in submissions. |
| Submissions | Event master | Many-to-1. Paper is submitted for the event. |
|  |  |
| Member Category Master | Member master | One-to-Many. Category belongs to n number of the members. |
| Member-Deliverables mapper | One-to-many. Category master is mapped to member deliverables. |
| Certificate Member mapper | One-to-many. Category master is mapped to member certificates. |
| Service Master | Payment master | One-to-many. For using the services payment is made. |
| Payment Master | --- | --- |
| Deliverable Master | Member-Deliverables mapper | One-to-many. Maps the deliverable with member deliverable master. |
| Transaction Master |  | Keeps the record of all the transaction for the system. |
| Deliverable Status | Event master | Many-to-1. Keeps the status of the deliverable for the event. |
| Member-Deliverables mapper | Many-to-1. Keeps Status for member deliverables. |
| Attendance on Desk | Event master | Many-to-1. Attendance for particular event. |
| Attendance in Hall | Event master | Many-to-1. Attendance for particular event. |
| Subject Master | --- | Contains the information abt the subject for the papers. |
| Member-Deliverables mapper | --- | Contains the deliverable mapping information. |
| Certificate Member mapper | Certificate master | Many-to-1. Keeps the member’s certificate records. |
| Certificate Master | --- | --- |
| Event Master | Track master | 1-to-many.Event master composed of many tracks. |
| Track Master | Subject master | 1-to-many. Track master contains different subject papers. |