USER -CORRECT ADMIN - CORRECT FACULTY -CORRECT ALUMNI -CORRECT STUDENT -CORRECT RESEARCH - CORRECT STUDENT RESEARCH - CORRECT FACULTY_RESEARCH -CORRECT **ALUMNI RESEARCH - CORRECT QUESTIONS - CORRECT ANSWERS -CORRECT CONSULTS - CORRECT** FUND_REQUESTS -CORRECT **FUNDED BY -CORRECT GRANT PROVIDER - CORRECT NEEDS - CORRECT CONFERENCES - CORRECT** CAN_KEEP_TRACK_OF -CORRECT CONFERENCE_PAPER -CORRECT JOURNAL_PAPER -CORRECT **RESEARCH AREA -CORRECT AWARDS - CORRECT SPONSORS -CORRECT DOMAIN - CORRECT**

NEW WITH VARCHAR (255)

USER -CORRECT ADMIN - CORRECT FACULTY -CORRECT ALUMNI -CORRECT STUDENT -CORRECT **RESEARCH - CORRECT** STUDENT_RESEARCH -CORRECT FACULTY_RESEARCH -CORRECT **ALUMNI RESEARCH - CORRECT QUESTIONS - CORRECT ANSWERS -CORRECT CONSULTS -CORRECT** FUND_REQUESTS -CORRECT **FUNDED BY -CORRECT GRANT PROVIDER - CORRECT NEEDS - CORRECT CONFERENCES - CORRECT** CAN_KEEP_TRACK_OF -CORRECT **CONFERENCE PAPER -CORRECT** JOURNAL_PAPER -CORRECT RESEARCH_AREA -CORRECT

```
AWARDS - CORRECT
SPONSORS -CORRECT
DOMAIN -CORRECT
```

```
***TABLE START***
CREATE TYPE CONTACT AS OBJECT
(EMAIL VARCHAR2(255),
PHONE_NUMBER NUMBER);
CREATE OR REPLACE VIEW User_Info_View ("ACC_ID", "NAME",
"PHONE NUMBER", "EMAIL", "PASSWORD", "DEPARTMENT",
"RESEARCH_INTEREST", "NUMBER_OF_RESEARCHES",
"ATTENDED_CONFERENCE") AS select ACC_ID ,NAME, u.contact.phone_number ,
u.contact.email
,PASSWORD,DEPARTMENT,RESEARCH_INTEREST,NUMBER_OF_RESEARCHES,ATT
ENDED CONFERENCE from users u
CREATE TABLE USERS
ACC_ID VARCHAR2(255) CONSTRAINT USER_ACC_ID_PK PRIMARY KEY,
NAME VARCHAR2(255),
CONTACT CONTACT,
PASSWORD VARCHAR2(255),
DEPARTMENT VARCHAR2(255),
RESEARCH_INTEREST VARCHAR2(255),
NUMBER OF RESEARCHES VARCHAR2(255),
ATTENDED_CONFERENCE VARCHAR2(255)
);
CREATE SEQUENCE per user sq INCREMENT BY 1 START WITH 000001 CACHE 20;
CREATE TABLE ADMIN
ADMIN_ID VARCHAR2(255) CONSTRAINT ADMIN_ADMIN_ID_PK PRIMARY KEY,
ACC ID VARCHAR2(255) NOT NULL,
CONSTRAINT ADMIN_ACCOUNT_ID_FK FOREIGN
KEY(ACC_ID) REFERENCES USERS(ACC_ID) ON DELETE CASCADE,
ROLE VARCHAR2(255));
```

```
CREATE TABLE FACULTY
FACULTY_ID VARCHAR2(255) CONSTRAINT FACULTY_FACULTY_ID_PK PRIMARY
KEY,
ACC_ID VARCHAR2(255) NOT NULL,
CONSTRAINT FACULTY ACCOUNT ID FK FOREIGN
KEY(ACC_ID) REFERENCES USERS(ACC_ID) ON DELETE CASCADE,
INSTITUTION VARCHAR2(255),
DESIGNATION VARCHAR2(255),
QUALIFICATION VARCHAR2(255));
CREATE TABLE ALUMNI
STUDENT_ID VARCHAR2(255) CONSTRAINT ALUMNI_STUDENT_ID_PK PRIMARY
ACC_ID VARCHAR2(255) NOT NULL,
CONSTRAINT ALUMNI ACCOUNT ID FK FOREIGN
KEY(ACC_ID) REFERENCES USERS(ACC_ID) ON DELETE CASCADE,
CURRENT JOB VARCHAR2(255),
BATCH VARCHAR2(255),
ENROLL YEAR DATE,
GRAD YEAR DATE,
EXPERIENCES VARCHAR2(255));
CREATE TABLE STUDENT
STUDENT_ID VARCHAR2(255) CONSTRAINT STUDENT_STUDENT_ID_PK PRIMARY
KEY,
ACC_ID VARCHAR2(255) NOT NULL,
CONSTRAINT STUDENT_ACCOUNT_ID_FK FOREIGN KEY(ACC_ID) REFERENCES
USERS(ACC ID) ON DELETE CASCADE,
INSTITUTION VARCHAR2(255),
ENROLL_YEAR DATE,
CGPA VARCHAR2(255)
);
Correct trigger: (except user e delete hoyna)
CREATE OR REPLACE TRIGGER STOA
AFTER INSERT
ON ALUMNI
FOR EACH ROW
DECLARE
```

```
R Student%ROWTYPE;
SELECT * INTO R FROM student s WHERE s.STUdENT_ID=:new.sTUDENT_ID;
DECLARE CURSOR CRS IS SELECT * FROM STUDENT RESEARCH WHERE
STUDEnT_ID=:new.STUDENT_iD;
X CRS%ROWTYPE:
begin
OPEN CRS;
LOOP FETCH CRS INTO X:
EXIT WHEN CRS%NOTFOUND;
INSERT INTO ALUMNI RESEARCH VALUES (X.STUDENT ID, X.RESEARCH ID);
END LOOP:
CLOSE CRS;
DELETE FROM Student WHERE StUdent_id =R.StudEnt_ID;
END:
end;
CREATE SEQUENCE per paper sq INCREMENT BY 1 START WITH 000001 CACHE 20;
CREATE OR REPLACE VIEW RESEARCH_VIEW
("RESEARCH_ID","APPROVE_STATUS","PAPER_PDF","PAPER_LINK","PUBLISHER",
"PAPER_TITLE","PUBLISH_STATUS","PAPER_ABSTRACT","PAPER_TYPE") AS
(SELECT * FROM RESEARCH)
CREATE OR REPLACE VIEW RESEARCH VIEW
("RESEARCH_ID","APPROVE_STATUS","PAPER_PDF","PAPER_LINK","PUBLISHER",
"PAPER_TITLE","PUBLISH_STATUS","PAPER_ABSTRACT","PAPER_TYPE") AS
(SELECT * FROM RESEARCH WHERE PAPER_TITLE LIKE '%Writing%')
SELECT * FROM RESEARCH VIEW
CREATE TABLE RESEARCH
RESEARCH ID VARCHAR2(255) CONSTRAINT RESEARCH RESEARCH ID PK
PRIMARY KEY,
APPROVE STATUS VARCHAR2(255).
PAPER PDF VARCHAR2(255),
PAPER LINK VARCHAR2(255),
PUBLISHER VARCHAR2(255),
PAPER_TITLE VARCHAR2(255),
PUBLISH STATUS VARCHAR2(255),
PAPER ABSTRACT VARCHAR2(500),
PAPER TYPE VARCHAR2 (255)
);
```

```
CREATE TABLE STUDENT_RESEARCH
STUDENT_ID VARCHAR2(255) NOT NULL,
RESEARCH ID VARCHAR2(255) NOT NULL,
CONSTRAINT STD_RESEARCH_STUDENT_ID_FK FOREIGN KEY(STUDENT_ID)
REFERENCES STUDENT(STUDENT_ID) ON DELETE CASCADE,
CONSTRAINT STD RESEARCH RESEARCH ID FK FOREIGN KEY(RESEARCH ID)
REFERENCES RESEARCH(RESEARCH_ID) ON DELETE CASCADE
);
CREATE TABLE FACULTY_RESEARCH
FACULTY ID VARCHAR2(255) NOT NULL,
RESEARCH_ID VARCHAR2(255) NOT NULL,
CONSTRAINT FAC RESEARCH_FACULTY_ID_FK FOREIGN KEY(FACULTY_ID)
REFERENCES FACULTY(FACULTY_ID) ON DELETE CASCADE,
CONSTRAINT FAC_RESEARCH_RESEARCH_ID_FK FOREIGN KEY(RESEARCH_ID)
REFERENCES RESEARCH(RESEARCH ID) ON DELETE CASCADE
);
CREATE TABLE ALUMNI_RESEARCH
STUDENT ID VARCHAR2(255),
RESEARCH_ID VARCHAR2(255),
CONSTRAINT ALM_RESEARCH_STUDENT_ID_FK FOREIGN KEY(STUDENT_ID)
REFERENCES ALUMNI(STUDENT_ID) ON DELETE CASCADE,
CONSTRAINT ALM RESEARCH RESEARCH ID FK FOREIGN KEY(RESEARCH ID)
REFERENCES RESEARCH(RESEARCH_ID) ON DELETE CASCADE
CREATE TABLE CONSULTS
STUDENT ID VARCHAR2(255),
FACULTY_ID VARCHAR2(255),
FIELD_OF_RESEARCH VARCHAR2(255),
CONSTRAINT CONSULTS_STUDENT_ID_FK FOREIGN KEY(STUDENT_ID)
REFERENCES STUDENT(STUDENT_ID) ON DELETE CASCADE,
```

```
CONSTRAINT CONSULTS_FACULTY_ID_FK FOREIGN KEY(FACULTY_ID)
REFERENCES FACULTY(FACULTY_ID) ON DELETE CASCADE
);
CREATE TABLE CONFERENCE_PAPER
RESEARCH ID VARCHAR2(255),
CONFERENCE_NAME VARCHAR2(255),
TYPE_OF_PAPER VARCHAR2(255),
DOI VARCHAR2(255),
CONSTRAINT CON_PAPER_RESEARCH_ID_FK FOREIGN KEY(RESEARCH_ID)
REFERENCES RESEARCH(RESEARCH_ID) ON DELETE CASCADE
);
CREATE TABLE JOURNAL_PAPER
RESEARCH_ID VARCHAR2(255),
JOURNAL NAME VARCHAR2(255),
SJR_RATING VARCHAR2(255),
ISSN VARCHAR2(255),
CONSTRAINT JRN_PAPER_RESEARCH_ID_FK FOREIGN KEY(RESEARCH_ID)
REFERENCES RESEARCH(RESEARCH_ID) ON DELETE CASCADE
);
CREATE TABLE RESEARCH_AREA
RESEARCH_ID VARCHAR2(255),
RESEARCH AREA VARCHAR2(255).
CONSTRAINT AREA_RESEARCH_ID_FK FOREIGN KEY(RESEARCH_ID)
REFERENCES RESEARCH(RESEARCH_ID) ON DELETE CASCADE
);
```

```
CREATE TABLE AWARDS
RESEARCH_ID VARCHAR2(255) NOT NULL,
AWARDS VARCHAR2(255),
CONSTRAINT AWARDS_RESEARCH_ID_FK FOREIGN KEY(RESEARCH_ID)
REFERENCES RESEARCH(RESEARCH_ID) ON DELETE CASCADE
);
CREATE SEQUENCE per fund sq
 INCREMENT BY 1
 START WITH 000001
 CACHE 20:
CREATE TABLE FUND_REQUESTS
FUND_ID VARCHAR2(255) CONSTRAINT FUND_REQ_FUND_ID_PK PRIMARY KEY,
AMOUNT RAISED NUMBER CHECK(AMOUNT RAISED>=0),
AMOUNT_REQUIRED NUMBER CHECK(AMOUNT_REQUIRED>0),
AMOUNT_LEFT AS (AMOUNT_REQUIRED-AMOUNT_RAISED),
TRUST ACCNO NUMBER,
BKASH NUMBER,
FUND_STATUS VARCHAR2(255)
);
CREATE SEQUENCE per_grantp_sq
 INCREMENT BY 1
 START WITH 000001
 CACHE 20;
CREATE TABLE GRANT PROVIDER
GRANT_PROVIDER_ID VARCHAR2(255) CONSTRAINT GP_GRANT_PROVIDER_ID_PK
PRIMARY KEY.
NAME VARCHAR2(255),
PHONE_NUMBER VARCHAR2(255),
EMAIL VARCHAR2(255),
GRANT_AMOUNT NUMBER CHECK(GRANT_AMOUNT>0)
);
```

```
FUND_ID VARCHAR2(255) NOT NULL,
GRANT_PROVIDER_ID VARCHAR2(255) NOT NULL,
TRX_ID VARCHAR2(255),
AMOUNT_PAID NUMBER CHECK(AMOUNT_PAID>0),
CONSTRAINT FUNDEDBY FUND ID FK FOREIGN KEY(FUND ID) REFERENCES
FUND_REQUESTS(FUND_ID) ON DELETE CASCADE,
CONSTRAINT FB_GRANT_PROVIDER_ID_FK FOREIGN KEY(GRANT_PROVIDER_ID)
REFERENCES GRANT PROVIDER(GRANT PROVIDER ID) ON DELETE CASCADE
);
CREATE TABLE NEEDS
FUND_ID VARCHAR2(255) NOT NULL,
RESEARCH ID VARCHAR2(255) NOT NULL,
CONSTRAINT NEEDS_FUND_ID_FK FOREIGN KEY(FUND_ID) REFERENCES
FUND_REQUESTS(FUND_ID) ON DELETE CASCADE,
CONSTRAINT NEEDS_RESEARCH_ID_FK FOREIGN KEY(RESEARCH_ID)
REFERENCES RESEARCH(RESEARCH_ID) ON DELETE CASCADE
CREATE TABLE QUESTIONS
QUESTION_ID VARCHAR2(255) CONSTRAINT QUESTIONS_QUESTION_ID_PK
PRIMARY KEY,
ACC_ID VARCHAR2(255) NOT NULL,
CONSTRAINT QUESTIONS_ACC_ID_FK FOREIGN KEY(ACC_ID) REFERENCES
USERS(ACC ID) ON DELETE CASCADE,
QUESTION VARCHAR2(255));
CREATE TABLE ANSWERS
ANSWER_ID VARCHAR2(255) CONSTRAINT ANSWERS_ANSWER_ID_PK PRIMARY
KEY,
QUESTION_ID VARCHAR2(255) NOT NULL,
```

```
ACC ID VARCHAR2(255) NOT NULL,
CONSTRAINT ANSWERS_ACCOUNT_ID_FK FOREIGN KEY(ACC_ID) REFERENCES
USERS(ACC_ID) ON DELETE CASCADE,
CONSTRAINT ANSWERS_QUESTION_ID_FK FOREIGN KEY(QUESTION_ID)
REFERENCES QUESTIONS(QUESTION_ID) ON DELETE CASCADE,
ANSWER VARCHAR2(255),
UPVOTES VARCHAR2(255),
DOWNVOTES VARCHAR2(255)
);
CREATE TABLE CONFERENCE
CONFERENCE_ID VARCHAR2(255) CONSTRAINT CONFERENCE_CONF_ID_PK
PRIMARY KEY,
WEBSITE_LINK VARCHAR2(255),
SUBMISSION_DATE DATE,
START DATE DATE,
END DATE DATE,
VENUE VARCHAR2(255),
STATUS VARCHAR2(255),
CONFERENCE_NAME VARCHAR2(255),
MEMBER_RATE VARCHAR2(255),
NON MEMBER RATE VARCHAR2(255));
CREATE TABLE CAN_KEEP_TRACK_OF
CONFERENCE ID VARCHAR2(255) NOT NULL,
ACC_ID VARCHAR2(255) NOT NULL,
CONSTRAINT CONFERENCE CONFERENCE ID FK FOREIGN
KEY(CONFERENCE_ID) REFERENCES CONFERENCE(CONFERENCE_ID) ON DELETE
CASCADE,
CONSTRAINT USERS ACC ID FK FOREIGN KEY(ACC ID) REFERENCES
USERS(ACC_ID) ON DELETE CASCADE
);
CREATE TABLE SPONSORS
CONFERENCE_ID VARCHAR2(255) NOT NULL,
```

```
CONSTRAINT SPONSORS_CONF_ID_PK FOREIGN KEY(CONFERENCE_ID)
REFERENCES CONFERENCE(CONFERENCE_ID) ON DELETE CASCADE,
SPONSOR VARCHAR2(255)
);
CREATE TABLE DOMAIN
CONFERENCE ID VARCHAR2(255) NOT NULL,
CONSTRAINT DOMAIN_CONF_ID_PK FOREIGN KEY(CONFERENCE_ID)
REFERENCES CONFERENCE(CONFERENCE_ID) ON DELETE CASCADE.
DOMAIN VARCHAR2(255)
);
***TABLE END***
***USER START***
insert all
INTO USERS VALUES('S000001','Alisha
Kabir', CONTACT ('korim@gmail.com', '01933869292'), 'alisa', 'CSE', 'Artificial
Intelliegence','1',")
INTO USERS VALUES('S000002','Md Rashid UI
Islam', CONTACT ('korim@gmail.com', '01933869292'), 'rashid', 'CSE', 'Artificial
Intelliegence','1',")
INTO USERS VALUES('S000003','Hafsah Mahzabin
Chowdhury', CONTACT ('korim@gmail.com', '01933869292'), 'hafsah', 'CSE', 'Artificial
Intelliegence','1',")
INTO USERS VALUES('S000004','Adib
Hossain', CONTACT ('korim@gmail.com', '01933869292'), 'adib', 'CSE', 'Artificial
Intelliegence','1',")
INTO USERS VALUES('S000005','Iffat Bushra
Suhi', CONTACT ('korim@gmail.com', '01933869292'), 'suhi', 'CSE', 'Artificial
Intelliegence','1',")
INTO USERS VALUES('S000006','Shadmanee
Tasneem', CONTACT('korim@gmail.com', '01933869292'), 'panmulk', 'CSE', 'Artificial
Intelliegence','1',")
INTO USERS VALUES('S000007','Sadia Nur
Nazifa', CONTACT ('korim@gmail.com', '01933869292'), 'sadia', 'CSE', 'Artificial
Intelliegence','1',")
INTO USERS VALUES('S000008','Tasfia Akter
Sara', CONTACT ('korim@gmail.com', '01933869292'), 'sara', 'CSE', 'Artificial
Intelliegence','1',")
```

INTO USERS VALUES('S000009', 'Tasnim Ullah

Shakib', CONTACT ('korim@gmail.com', '01933869292'), 'shakib', 'CSE', 'Artificial Intelliegence', '1', ")

SELECT * FROM DUAL;

INSERT ALL

INTO USERS VALUES('D 1','Hafsah Mahzabin

Chowdhury',CONTACT('rohimhafsah@gmail.com','01933883292'),'rohim','CSE','Artifici al Intelliegence','4','7')

INTO USERS VALUES('D 2','Alisha

Korim',CONTACT('korim@gmail.com','01933869292'),'korim','CSE','Artificial Intelliegence','6','6')

INTO USERS

VALUES('D_3','Adibullah',CONTACT('adib@gmail.com','01969883292'),'adib','CSE','Artificial Intelliegence','4','7')

INTO USERS

VALUES('D_4','Rashid',CONTACT('rashdi@gmail.com','01969844062'),'rashid','CSE','Ar tificial Intelliegence','6','6')

SELECT * FROM DUAL;

insert all

INTO USERS VALUES('A_1','Anusha

Kabir',CONTACT('anushakabir@gmail.com','01929292992'),'anusha','CSE','Artificial Intelliegence','5','5')

INTO USERS VALUES('A_2','Sumaiya Afroze

Mila',CONTACT('anushakabir2@gmail.com','01929292992'),'mila','CSE','Artificial Intelliegence','4','8')

INTO USERS VALUES('A 3','Uzma

Hassan',CONTACT('anushakabir3@gmail.com','01929292992'),'uzma','CSE','Artificial Intelliegence','4','7')

INTO USERS VALUES('A_4','Shoeb Ahmed

Tanjim',CONTACT('anushakabir4@gmail.com','01929292992'),'tanjim','CSE','Artificial Intelliegence','6','6')

INTO USERS VALUES('A 5', 'Sahrima Jannat

Oishee',CONTACT('anushakabir5@gmail.com','01929292992'),'sahrima','CSE','Artificial Intelliegence','6','7')

INTO USERS VALUES('A 6','Afia

Ibnat',CONTACT('anushakabir6@gmail.com','01929292992'),'afia','CSE','Artificial Intelliegence','4','8')

INTO USERS VALUES('A_7','Tarannum

Zaki',CONTACT('anushakabir7@gmail.com','01929292992'),'tarannum','CSE','Artificial Intelliegence','6','7')

INTO USERS VALUES('A 8', 'Faria

Raisa',CONTACT('anushakabir8@gmail.com','01929292992'),'faria','CSE','Artificial Intelliegence','6','6')

INTO USERS VALUES('A_9','Sonaila

Hussain',CONTACT('anushakabir9@gmail.com','01929292992'),'sonaila','CSE','Artificia I Intelliegence','5','5')

INTO USERS VALUES('A_10','Shadman

Ishrak',CONTACT('anushakabir10@gmail.com','01929292992'),'shadman','CSE','Artifici al Intelliegence','4','8')

SELECT * FROM DUAL;

INSERT ALL

INTO USERS VALUES('F_1','Shadman

Aadeeb',CONTACT('aadeeb@gmail.com','01933883292'),'aadeb','CSE','Artificial Intelliegence','4','7')

INTO USERS VALUES('F 2','Muhaimin

Rafi',CONTACT('aadeeb@gmail.com','01933883292'),'muhaimin','CSE','Artificial Intelliegence','6','6')

INTO USERS VALUES('F 3','Zinia

Sultana', CONTACT ('aadeeb@gmail.com', '01933883292'), 'zinia', 'CSE', 'Artificial Intelliegence', '4', '7')

INTO USERS VALUES('F_4','Sharifa Mahmud

Rania', CONTACT ('aadeeb@gmail.com', '01933883292'), 'rania', 'CSE', 'Artificial Intelliegence', '6', '6')

INTO USERS VALUES('F_5','Nafiz

Imtiaz',CONTACT('aadeeb@gmail.com','01933883292'),'imtiaz','CSE','Artificial Intelliegence','4','7')

INTO USERS VALUES('F_6','Raiyan

Rahman',CONTACT('aadeeb@gmail.com','01933883292'),'raiyan','CSE','Artificial Intelliegence','6','6')

SELECT * FROM DUAL;

^{***}USER END***

ADMIN START

INSERT ALL

INTO ADMIN VALUES('001','D_1','Founder')
INTO ADMIN VALUES('002','D_2','Founder')
INTO ADMIN VALUES('003','D_3','Founder')
INTO ADMIN VALUES('004','D_4','Founder')
SELECT * FROM DUAL;

ADMIN END

ALUMNI START

CREATE SEQUENCE per_user_sq INCREMENT BY 1 START WITH 000001 CACHE 20:

INSERT ALL

INTO ALUMNI VALUES('201314001','A' || per_alumni_sq.NEXTVAL,'Database Engineer at GP','CSE-13',TO_DATE('2013','YYYY'),TO_DATE('2017','YYYY'),'Worked in ROBI') SELECT * FROM DUAL;

INSERT ALL

INTO ALUMNI VALUES('201314001','A_1','Database Engineer at GP','CSE-13',TO_DATE('2013','YYYY'),TO_DATE('2017','YYYY'),'Worked in ROBI')

INTO ALUMNI VALUES('201414001','A 2','Post Graduate

Student','CSE-14',TO_DATE('2013','YYYY'),TO_DATE('2017','YYYY'),'Former Faculty at MIST')

INTO ALUMNI VALUES('201614001','A 3','Post Graduate

Student','CSE-16',TO_DATE('2013','YYYY'),TO_DATE('2017','YYYY'),'Former Faculty at MIST')

INTO ALUMNI VALUES('201814001','A 4','Network

Engineer', 'CSE-18', TO_DATE('2013', 'YYYY'), TO_DATE('2017', 'YYYY'), 'Former Full Stack Developer at BiTechX')

INTO ALUMNI VALUES('201314002','A_5','Post Graduate

Student','CSE-13',TO_DATE('2013','YYYY'),TO_DATE('2017','YYYY'),'Former Faculty at MIST')

INTO ALUMNI VALUES('201414002','A 6','Post Graduate

Student','CSE-14',TO_DATE('2013','YYYY'),TO_DATE('2017','YYYY'),'Former Faculty at MIST')

INTO ALUMNI VALUES('201314003','A_7','Artificial Intelligence

Expert','CSE-13',TO_DATE('2013','YYYY'),TO_DATE('2017','YYYY'),'Former Faculty at MIST')

INTO ALUMNI VALUES('201614006','A_8','Post Graduate

Student','CSE-16',TO_DATE('2013','YYYY'),TO_DATE('2017','YYYY'),'Worked in Samsung R&D')

INTO ALUMNI VALUES('201614002','A_9','Post Graduate

Student','CSE-16',TO_DATE('2013','YYYY'),TO_DATE('2017','YYYY'),'Worked in Samsung R&D')

INTO ALUMNI VALUES('201614003','A_10','Software

Engineer','CSE-16',TO_DATE('2013','YYYY'),TO_DATE('2017','YYYY'),'Worked in Samsung R&D')

SELECT * FROM DUAL;

ALUMNI END

FACULTY START

INSERT ALL

INTO FACULTY VALUES('0001','F_1','Military Institute of Science and Technology','Lecturer','B.Sc. in CSE')

INTO FACULTY VALUES('0002','F_2','Military Institute of Science and Technology','Lecturer','B.Sc. in CSE')

INTO FACULTY VALUES('0003','F_3','Military Institute of Science and Technology','Lecturer','M.Sc. in CSE,B.Sc. in CSE')

INTO FACULTY VALUES('0004','F_4','Military Institute of Science and Technology','Assistant Professor','M.Sc. in CSE,B.Sc. in CSE')

INTO FACULTY VALUES('0005','F_5','Military Institute of Science and Technology','Lecturer','B.Sc. in CSE')

INTO FACULTY VALUES('0006','F_6','Military Institute of Science and Technology','Lecturer','B.Sc. in CSE')

SELECT * FROM DUAL;

FACULTY END

STUDENT START

INSERT ALL

INTO STUDENT VALUES('202014006','S000001','Military Institute of Science and Technology',to_date('11/2000/01','mm/yy/dd'),'3.99')

INTO STUDENT VALUES('202014033','S000002','Military Institute of Science and Technology',to_date('11/2000/01','mm/yy/dd'),'3.99')

INTO STUDENT VALUES('202014015','S000003','Military Institute of Science and Technology',to_date('11/2000/01','mm/yy/dd'),'3.99')

INTO STUDENT VALUES('202014003','S000004','Military Institute of Science and Technology',to date('11/2000/01','mm/yy/dd'),'3.99')

INTO STUDENT VALUES('201814051','S000005','Military Institute of Science and Technology',to_date('11/2000/01','mm/yy/dd'),'3.99')

SELECT * FROM DUAL;

STUDENT END

RESEARCH START

insert all

INTO RESEARCH

VALUES('R0000009','Approved','','https://ieeexplore.ieee.org/abstract/document/12012 62','IEEE','Writing depressing software engineering research

papers', 'Published', 'DOLOR IPSUM amet amet BLA BLA ', 'Journal')

INTO RESEARCH

VALUES('R0000010','Rejected','','https://ieeexplore.ieee.org/abstract/document/120126 2','IEEE','Writing good software engineering research papers1','Unpublished','DOLOR IPSUM amet amet BLA BLA ','Conference')

INTO RESEARCH

VALUES('R0000011','Approved','','https://dl.acm.org/doi/abs/10.1145/587078.587096','S pringer','A Designers Tool1','Published','DOLOR IPSUM amet amet BLA BLA ','Conference')

INTO RESEARCH

VALUES('R0000012','Approved','','https://ieeexplore.ieee.org/abstract/document/12012 62','IEEE','Writing bad software engineering research papers1','Unpublished','DOLOR IPSUM amet amet BLA BLA ','Conference')

INTO RESEARCH

VALUES('R0000013','Approved',",'https://dl.acm.org/doi/abs/10.1145/587078.587096','S pringer','A Designers Friend1','Published','DOLOR IPSUM amet amet BLA BLA ','Journal')

INTO RESEARCH

VALUES('R0000014','Approved',",'https://ieeexplore.ieee.org/abstract/document/12012 62','IEEE','Writing best software engineering research papers1','Published','DOLOR IPSUM amet amet BLA BLA ','Journal')

INTO RESEARCH

VALUES('R0000015','Rejected','','https://dl.acm.org/doi/abs/10.1145/587078.587096','Sp ringer','A Designers Enemy1','Unpublished','DOLOR IPSUM amet amet BLA BLA ','Conference')

INTO RESEARCH

VALUES('R0000016','Approved',",'https://ieeexplore.ieee.org/abstract/document/12012 62','IEEE','Writing sad software engineering research papers1','Published','DOLOR IPSUM amet amet BLA BLA ','Journal')

INTO RESEARCH

VALUES('R0000017','Approved','','https://dl.acm.org/doi/abs/10.1145/587078.587096','S pringer','A Designers Companion1','Published','DOLOR IPSUM amet amet BLA BLA ','Conference')

INTO RESEARCH

VALUES('R0000018','Approved',",'https://ieeexplore.ieee.org/abstract/document/12012 62','IEEE','Writing depressing software engineering research papers1','Unpublished','DOLOR IPSUM amet amet BLA BLA ','Journal') SELECT * FROM DUAL;

RESEARCH END

STUDENT_RESEARCH START

INSERT ALL

INTO STUDENT_RESEARCH VALUES('202014003','R0000010')
INTO STUDENT_RESEARCH VALUES('202014006','R0000011')
INTO STUDENT_RESEARCH VALUES('202014015','R0000013')
INTO STUDENT_RESEARCH VALUES('202014033','R0000013')
INTO STUDENT_RESEARCH VALUES('201814051','R0000015')
SELECT * FROM DUAL;

STUDENT_RESEARCH END

ALUMNI_RESEARCH START

INSERT ALL

INTO ALUMNI_RESEARCH VALUES('201614001','R0000009')
INTO ALUMNI_RESEARCH VALUES('201614003','R0000010')
INTO ALUMNI_RESEARCH VALUES('201614002','R0000015')
INTO ALUMNI_RESEARCH VALUES('201314002','R0000011')

SELECT * FROM DUAL;

ALUMNI_RESEARCH END

FACULTY_RESEARCH START

```
INSERT ALL
INTO FACULTY_RESEARCH VALUES('0001','R0000010')
INTO FACULTY_RESEARCH VALUES('0002','R0000011')
INTO FACULTY_RESEARCH VALUES('0003','R0000012')
INTO FACULTY_RESEARCH VALUES('0004','R0000013')
INTO FACULTY RESEARCH VALUES('0004'.'R0000013')
INTO FACULTY_RESEARCH VALUES('0005','R0000015')
INTO FACULTY_RESEARCH VALUES('0006','R0000015')
SELECT * FROM DUAL;
***FACULTY_RESEARCH END***
***CONSULTS START***
INSERT ALL
INTO CONSULTS VALUES('202014006','0001','Environmental Science')
INTO CONSULTS VALUES('202014003','0002','Medicine')
INTO CONSULTS VALUES('202014033','0003','Artificial Intelligence')
INTO CONSULTS VALUES('201814051','0004','Machine Learning')
INTO CONSULTS VALUES('202014015','0006','Augmented Reality')
SELECT * FROM DUAL;
***CONSULTS END***
***QUESTIONS START***
INSERT ALL
INTO QUESTIONS VALUES('Q_1','A_2','How to know about upcoming conferences?')
INTO QUESTIONS VALUES('Q_2','A_3','Where will the next IEEE conference take
place?')
INTO QUESTIONS VALUES('Q_3','S000005','Where can I check out deadlines of a
conference?')
INTO QUESTIONS VALUES('Q_4','F_2','Is anyone doing a research on Gym?')
INTO QUESTIONS VALUES('Q_5','S000002','I need fund for my research . What to
do?')
INTO QUESTIONS VALUES('Q_6','F_6','How to contact the admin?')
INTO QUESTIONS VALUES('Q_7','S000004','Can I upload my unpublished paper?')
INTO QUESTIONS VALUES('Q_8','S000001','Where can I see the upcoming
conferences?')
```

```
SELECT * FROM DUAL;
***QUESTIONS END***
***ANSWERS START***
INSERT ALL
INTO ANSWERS VALUES('ANS_1','Q_3','D_3','Please check out Home->Upcoming
Conferences->Check Deadlines ',2,0)
INTO ANSWERS VALUES('ANS_2','Q_5','F_1','You can request for funds providing
necessary info in our fund sections',3,1)
INTO ANSWERS VALUES('ANS_3','Q_6','D_4','Checkout Contact Us->Admin',1,2)
INTO ANSWERS VALUES('ANS_4','Q_7','A_8','Of Course you can upload your
unpublished papers provided the documents are authentic.',4,0)
INTO ANSWERS VALUES('ANS 5','Q 8','F 6','Check out the conference calendar in
the upcoming conferences section',0,0)
SELECT * FROM DUAL;
***ANSWERS END***
***FUND REQUESTS START***
INSERT ALL
INTO
FUND_REQUESTS("FUND_ID","AMOUNT_RAISED","AMOUNT_REQUIRED","TRUST_
ACCNO","BKASH","FUND_STATUS")
VALUES('FD_2',0,100000,124,01969844062,'Raised')
INTO
FUND_REQUESTS("FUND_ID","AMOUNT_RAISED","AMOUNT_REQUIRED","TRUST_
ACCNO","BKASH","FUND_STATUS")
VALUES('FD_7',0,17000,129,01969844062,'Raised')
INTO
FUND_REQUESTS("FUND_ID","AMOUNT_RAISED","AMOUNT_REQUIRED","TRUST_
ACCNO","BKASH","FUND_STATUS")
VALUES('FD_8',13000,2000,132,01969844062,'Not Raised')
INTO
FUND_REQUESTS("FUND_ID","AMOUNT_RAISED","AMOUNT_REQUIRED","TRUST_
ACCNO","BKASH","FUND_STATUS")
VALUES('FD_9',10000,5000,135,01969844062,'Not Raised')
```

```
INTO
```

FUND_REQUESTS("FUND_ID","AMOUNT_RAISED","AMOUNT_REQUIRED","TRUST_ACCNO","BKASH","FUND_STATUS")

VALUES('FD 10',15000,5000,137,01969844062,'Not Raised')

INTO

FUND_REQUESTS("FUND_ID","AMOUNT_RAISED","AMOUNT_REQUIRED","TRUST_ACCNO","BKASH","FUND_STATUS")

VALUES('FD_3',13000,2000,125,01969844062,'Not Raised')

INTO

FUND_REQUESTS("FUND_ID","AMOUNT_RAISED","AMOUNT_REQUIRED","TRUST_ACCNO","BKASH","FUND_STATUS")

VALUES('FD_4',10000,5000,126,01969844062,'Not Raised')

INTO

FUND_REQUESTS("FUND_ID","AMOUNT_RAISED","AMOUNT_REQUIRED","TRUST_ACCNO","BKASH","FUND_STATUS")

VALUES('FD_5',15000,5000,127,01969844062,'Not Raised')

INTO

FUND_REQUESTS("FUND_ID","AMOUNT_RAISED","AMOUNT_REQUIRED","TRUST_ACCNO","BKASH","FUND_STATUS")

VALUES('FD_6',2000,11000,128,01969844062,'Not Raised')

INTO

FUND_REQUESTS("FUND_ID","AMOUNT_RAISED","AMOUNT_REQUIRED","TRUST_ACCNO","BKASH","FUND_STATUS")

VALUES('FD_1',0,10000,124,01969844062,'Raised')

SELECT * FROM DUAL;

FUND_REQUESTS END

GRANT_PROVIDER START

INSERT ALL

INTO GRANT PROVIDER VALUES('GP 1','Rokibul

Hasan','01393939320','rokibul@gmail.com',20000)

INTO GRANT PROVIDER VALUES('GP 2','Jomiul

Kobir','01393939320','jomiul@gmail.com',60000)

INTO GRANT_PROVIDER VALUES('GP_3','Ayon

Kabir','01393939320','ayon@gmail.com',200000)

INTO GRANT_PROVIDER VALUES('GP_4','Sakib Al

Hasan','01393939320','sakibal@gmail.com',120000)

INTO GRANT_PROVIDER VALUES('GP_5','Tamim

Igbal','01393939320','tamim@gmail.com',50000)

INTO GRANT_PROVIDER VALUES('GP_6','Fazley

Rahman','01393939320','fazley@gmail.com',80000)

INTO GRANT_PROVIDER VALUES('GP_7','Nazrat Ahmed','01393939320','nazrat@gmail.com',90000)
INTO GRANT_PROVIDER VALUES('GP_8','Nashrah Chowdhury','01393939320','nashrah@gmail.com',10000)
INTO GRANT_PROVIDER VALUES('GP_9','Lotus Raima','01393939320','raima@gmail.com',20000)
INTO GRANT_PROVIDER VALUES('GP_10','Babu Hasan','01393939320','babu@gmail.com',10000)
INTO GRANT_PROVIDER VALUES('GP_11','Alisha Bilwal','01393939320','alisha@gmail.com',210000)
SELECT * FROM DUAL;

GRANT_PROVIDER END

FUNDED BY START

INSERT ALL

INTO FUNDED_BY VALUES('FD_1','GP_1','TABCD1234','500000')
INTO FUNDED_BY VALUES('FD_4','GP_3','TA7CD1264','400000')
INTO FUNDED_BY VALUES('FD_2','GP_5','TA8CD1294','900000')
INTO FUNDED_BY VALUES('FD_3','GP_7','TKBCD9254','60000')
INTO FUNDED_BY VALUES('FD_5','GP_9','TABCD4234','50000')
INTO FUNDED_BY VALUES('FD_6','GP_7','TABHD1774','70000')
INTO FUNDED_BY VALUES('FD_7','GP_2','TAONC2343','800000')
INTO FUNDED_BY VALUES('FD_2','GP_10','TABJD1264','510000')
INTO FUNDED_BY VALUES('FD_10','GP_4','TKBCD1834','300000')
INTO FUNDED_BY VALUES('FD_9','GP_6','TALCD1934','544000')
SELECT * FROM DUAL;

FUNDED BY END

NEEDS START

INSERT ALL

INTO NEEDS VALUES('FD_2','R0000009')

INTO NEEDS VALUES('FD_2','R0000010')

INTO NEEDS VALUES('FD_1','R0000011')

INTO NEEDS VALUES('FD_5','R0000012')

INTO NEEDS VALUES('FD_3','R0000013')

INTO NEEDS VALUES('FD_3','R0000014')

```
SELECT * FROM DUAL;
***NEEDS END***
***RESEARCH AREA START***
INSERT ALL
INTO RESEARCH_AREA VALUES('R0000009','Autonomy')
INTO RESEARCH_AREA VALUES('R0000012','Artificial Intelligence')
INTO RESEARCH_AREA VALUES('R0000018','Design and Analysis')
INTO RESEARCH_AREA VALUES('R0000014','Cryptography and Network Security')
INTO RESEARCH AREA VALUES('R0000017','Robotics')
INTO RESEARCH_AREA VALUES('R0000011','Cryptography and Network Security')
INTO RESEARCH_AREA VALUES('R0000018','Design and Analysis')
INTO RESEARCH_AREA VALUES('R0000016','Cryptography and Network Security')
INTO RESEARCH_AREA VALUES('R0000013','Autonomy')
INTO RESEARCH AREA VALUES('R0000016', 'Machine Learning')
SELECT * FROM DUAL;
***RESEARCH_AREA END
***AWARDS START***
INSERT ALL
INTO AWARDS VALUES('R0000009','IEEE Medal for Innovations in Information
Technology')
INTO AWARDS VALUES('R0000010','IEEE Simon Ramo Medal')
INTO AWARDS VALUES('R0000011','RSE James Clerk Maxwell Medal')
INTO AWARDS VALUES('R0000012','NRA Eminent Scholar Award')
INTO AWARDS VALUES('R0000013','IEEE Communications Society Paper Awards')
INTO AWARDS VALUES('R0000014','Abel Prize')
INTO AWARDS VALUES('R0000015','NRA Eminent Scientist Award')
SELECT * FROM DUAL;
```

AWARDS ENDS

TRIGGER

```
CREATE OR REPLACE TRIGGER CONFERENCE_DATE
BEFORE INSERT ON CONFERENCE
FOR EACH ROW
BEGIN
IF(:NEW.START_DATE < :NEW.END_DATE) THEN
RAISE_APPLICATION_ERROR(-20001,'DATE NOT VALID');
END IF;
exception
when others then
dbms_output.put_line('VALUE INSERTED');
END;
```

INSERT ALL

INTO CONFERENCE

VALUES('C000001','https://ccta2022.ieeecss.org/?utm_source=dhtml_image&utm_me dium=lp&utm_campaign=ccta2022',TO_DATE('2022-01-01','YYYY-MM-DD'),TO_DATE('2022-01-02','YYYY-MM-DD'),TO_DATE('2022-01-05','YYYY-MM-DD'),'Dhaka','Ended','2022 IEEE Conference on Control Technology and Applications (CCTA)','20\$','50\$') INTO CONFERENCE

VALUES('C000002','https://ccta2022.ieeecss.org/?utm_source=dhtml_image&utm_me dium=lp&utm_campaign=ccta2022',TO_DATE('2022-11-30','YYYY-MM-DD'),TO_DATE('2022-12-15','YYYY-MM-DD'),TO_DATE('2022-12-25','YYYY-MM-DD'),'Dhaka','Upcoming','2 022 Compiler Applications','30\$','100\$')

INTO CONFERENCE

VALUES('C000003','https://ccta2022.ieeecss.org/?utm_source=dhtml_image&utm_me dium=lp&utm_campaign=ccta2022',TO_DATE('2022-11-30','YYYY-MM-DD'),TO_DATE('2022-12-15','YYYY-MM-DD'),TO_DATE('2022-12-25','YYYY-MM-DD'),'Dhaka','Upcoming','2 022 Compiler Applications','30\$','100\$')

INTO CONFERENCE

VALUES('C000004','https://ccta2022.ieeecss.org/?utm_source=dhtml_image&utm_me dium=lp&utm_campaign=ccta2022',TO_DATE('2022-10-28','YYYY-MM-DD'),TO_DATE('2022-11-01','YYYY-MM-DD'),TO_DATE('2022-11-05','YYYY-MM-DD'),'Dhaka','Upcoming','2 022 IEEE Conference on Control Technology and Applications (CCTA)','20\$','50\$') INTO CONFERENCE

VALUES('C000005','https://ccta2022.ieeecss.org/?utm_source=dhtml_image&utm_me dium=lp&utm_campaign=ccta2022',TO_DATE('2022-11-30','YYYY-MM-DD'),TO_DATE('2022-12-15','YYYY-MM-DD'),TO_DATE('2022-12-25','YYYY-MM-DD'),'Dhaka','Upcoming','2 022 IEEE Conference on Control Technology and Applications (CCTA)','20\$','50\$') INTO CONFERENCE

VALUES('C000006','https://ccta2022.ieeecss.org/?utm_source=dhtml_image&utm_me dium=lp&utm_campaign=ccta2022',TO_DATE('2023-01-01','YYYY-MM-DD'),TO_DATE('2

023-01-02','YYYY-MM-DD'),TO_DATE('2023-01-05','YYYY-MM-DD'),'Dhaka','Ended','2022 IEEE Conference on Control Technology and Applications (CCTA)','20\$','50\$') INTO CONFERENCE

VALUES('C000007','https://ccta2022.ieeecss.org/?utm_source=dhtml_image&utm_me dium=lp&utm_campaign=ccta2022',TO_DATE('2023-02-03','YYYY-MM-DD'),TO_DATE('2023-02-09','YYYY-MM-DD'),'Dhaka','Ended','2022 IEEE Conference on Control Technology and Applications (CCTA)','20\$','50\$') SELECT * FROM DUAL;

```
***CONFERENCE ENDS***

***CAN_KEEP_TRACK_OF***

INSERT ALL
INTO CAN_KEEP_TRACK_OF VALUES('C000001','S000004')
INTO CAN_KEEP_TRACK_OF VALUES('C000002','S000002')
INTO CAN_KEEP_TRACK_OF VALUES('C000003','S000001')
INTO CAN_KEEP_TRACK_OF VALUES('C000004','S000005')
INTO CAN_KEEP_TRACK_OF VALUES('C000005','S000003')
INTO CAN_KEEP_TRACK_OF VALUES('C000006','S000002')
INTO CAN_KEEP_TRACK_OF VALUES('C000006','S000002')
INTO CAN_KEEP_TRACK_OF VALUES('C000007','S000001')

SELECT * FROM DUAL;

***CAN_KEEP_TRACK_OF***
```

SPONSORS STARTS

INSERT ALL

INTO SPONSORS VALUES('C000001','AMAZON')

INTO SPONSORS VALUES('C000002','TOYOTA')

INTO SPONSORS VALUES('C000003','NASA')

INTO SPONSORS VALUES('C000004','SAMSUNG')

INTO SPONSORS VALUES('C000005','DELL')

INTO SPONSORS VALUES('C000006','VIVO')

INTO SPONSORS VALUES('C000007','META')

SELECT * FROM DUAL;

SPONSORS ENDS

DOMAIN START

INSERT ALL

INTO DOMAIN VALUES('C000001','Biochemistry')

INTO DOMAIN VALUES('C000002','Artificial Intelligence')

INTO DOMAIN VALUES('C000003','Data Communication')

INTO DOMAIN VALUES('C000004','Robotics')

INTO DOMAIN VALUES('C000005','Networking')

INTO DOMAIN VALUES('C000006','Networking')

INTO DOMAIN VALUES('C000007','Cryptography262')

INTO DOMAIN VALUES('C000003','Machine Learning')

INTO DOMAIN VALUES('C000005','Machine Learning')

INTO DOMAIN VALUES('C000006','Artificial Intelligence')

INTO DOMAIN VALUES('C000002','Data Communication')

SELECT * FROM DUAL;

DOMAIN END

JOURNAL PAPER START

INSERT ALL

INTO JOURNAL_PAPER VALUES('R0000013','Quarterly Journal of Economics','Q1','15314650')

INTO JOURNAL_PAPER VALUES('R0000016','IEEE Transactions on Medical Imaging','Q1','02780062')

INTO JOURNAL_PAPER VALUES('R0000009','IEEE Communications Surveys and TutorialsOpen Access','Q1','1553877X')

INTO JOURNAL_PAPER VALUES('R0000014','IEEE Transactions on Wireless Communications','Q1','15361276')

INTO JOURNAL_PAPER VALUES('R0000018','IEEE Transactions on Medical Imaging','Q1','02780062')

SELECT * FROM DUAL;

JOURNAL PAPER END

CONFERENCE PAPER START

INSERT ALL

INTO CONFERENCE_PAPER VALUES('R0000010','Conference on Advanced Veterinary and Animal Research','Abstract','https://dx.doi.org/10.14299/ijser.2013.01.')
INTO CONFERENCE_PAPER VALUES('R0000011','Conference of Economics','Full Paper','https://dx.doi.org/10.14298/ijser.2013.01.')

INTO CONFERENCE_PAPER VALUES('R0000012','Conference of Medicine','Short Paper','https://dx.doi.org/10.14399/ijser.2013.01.')

INTO CONFERENCE_PAPER VALUES('R0000015','IEEE Conference on Pattern Analysis and Machine Intelligence','Short

Paper', 'https://dx.doi.org/10.14299/ijser.2413.01.')

INTO CONFERENCE_PAPER VALUES('R0000017','IEEE Conference on Wireless Communications','Full Paper','https://dx.doi.org/10.64299/ijser.2013.01.')

SELECT * FROM DUAL;

CONFERENCE PAPER END