(Established under Karnataka Act No. 16 of 2013)
100 Feet Ring Road, BSK III Stage, Bengaluru-560 085
Department of Computer Science and Engineering
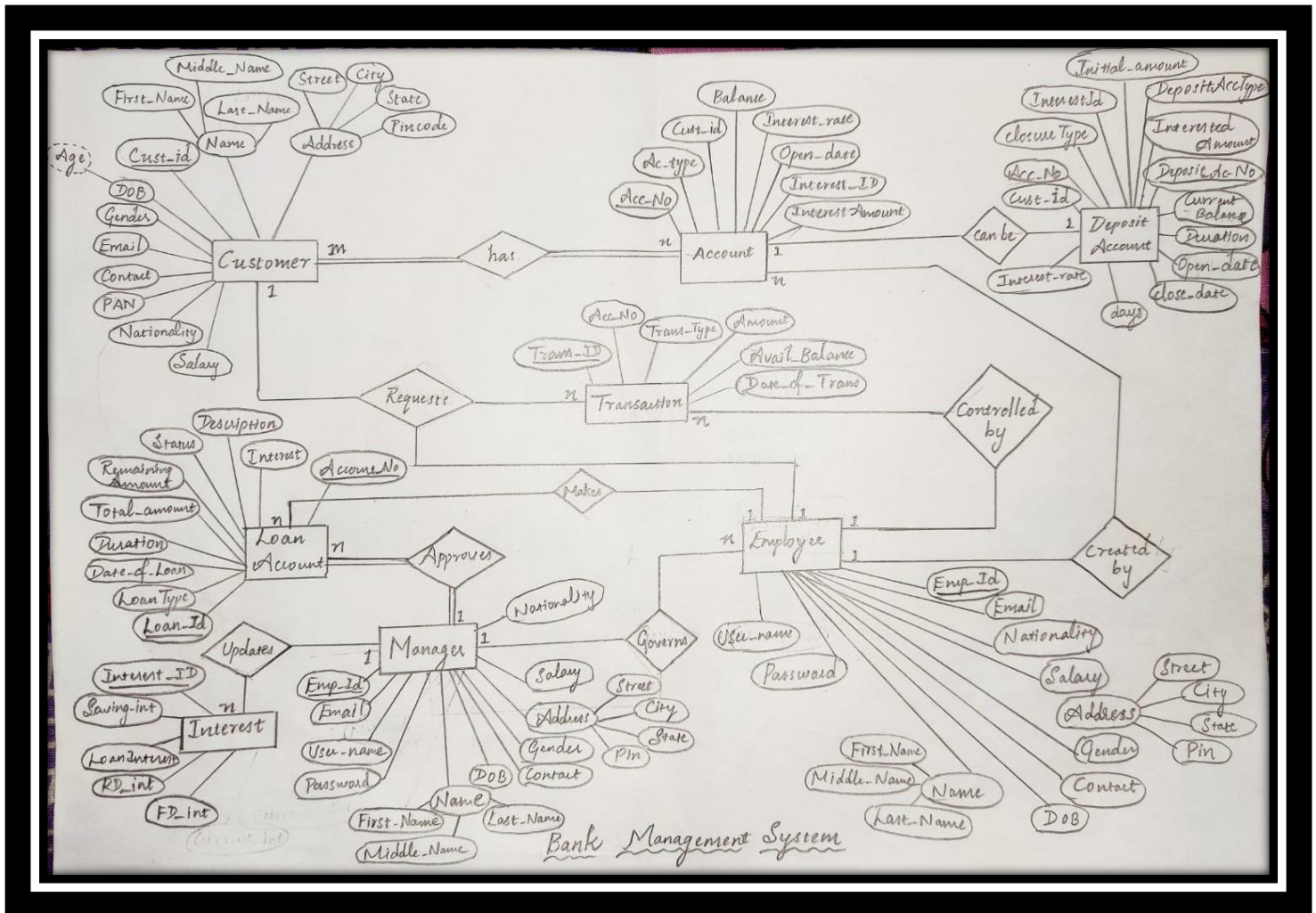**Session: Aug – Dec, 2021**
SEMESTER – 5

DBMS PROJECT ASSIGNMENT 1

BANK MANAGEMENT SYSTEM

PROJECT STATEMENT:

A Bank Management System has many customers. Each customer has a unique customer-ID, name, address, DOB, Age, Gender, Email, Contact, PAN, Nationality, Salary. Each customer holds an account in bank. Each account has a unique Account number, AC type, customer ID of account holder, Balance, Interest rate, open date, interest_id, interest amount. Account can be a loan account or Deposit account. Manager approves Loan account. Manager has an employee_id, email, user_name, password, Name, DOB, Contact, address, gender, salary and nationality. Each employee has a unique Employee_ID, Email, nationality, salary, Address, Gender, Contact, DOB, Name, user_name and password for logging in to the management system. Each loan account has a unique Account number, description, Interest, Balance , Amount, Date of loan, Loan type, and a unique ID. Manager updates Interest. Interest has a unique interest id. Interest can be on savings, loan interest, RD_Interest, FD_Interest. Customer makes transactions. Each transaction record is maintained by the bank. Each transaction has a unique Transaction ID, Account number, Type, Amount, Available balance and date of transaction.
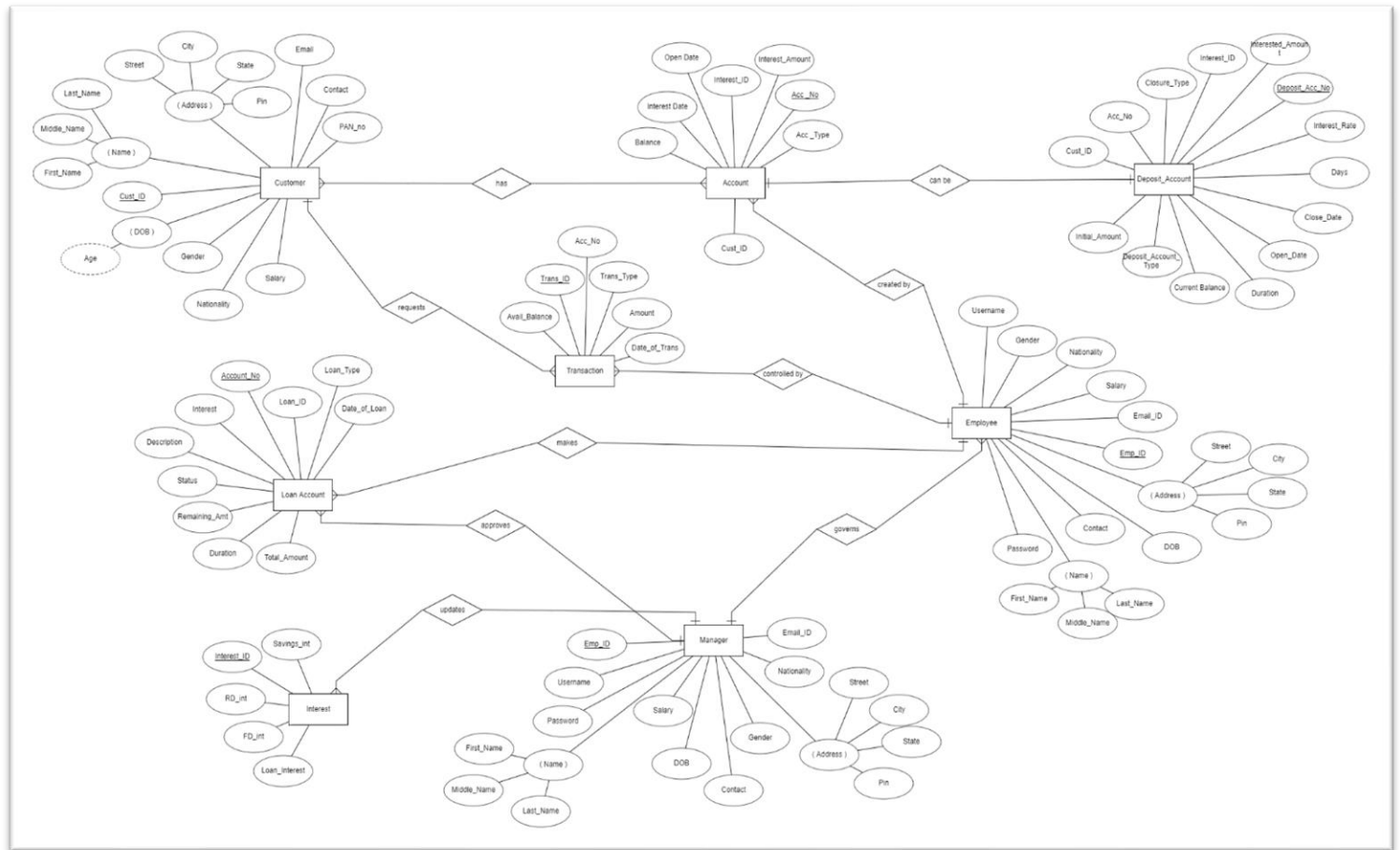
ER DIAGRAM (HAND -DRAWN):

ER TOOL NAME:

ERDPlus

ERDPlus is a web-based database modelling tool for creating entity relationship diagrams, relational schemas, star schemas, and SQL DDL statements. We can directly convert ER diagrams to Relational Schema Model. ERDPlus enables drawing Star Schema components. It is an open-source software.

REFERENCE LINK: https://erdplus.com/

FINAL ER DIAGRAM (SOFT COPY):

BANK MANAGEMENT SYSTEM

CONTRIBUTIONS:

NAME	SRN	CONTRIBUTION	TIME SPENT
Pawan Prasad P	PES2UG19CS280	ER Diagram Hand Drawn	45 min
Phani Kumar Vedurumudi	PES2UG19CS281	ER Diagram Using ERDPlus tool	60 min
Rahul S Bhat	PES2UG19CS315	Problem Statement	30 min