**Database Systems Lab (ICT 2212)**

**Semester & Branch: IV Sem. IT-B**

**Entity-Relation Schema List**

**SerMaS (Service-Station Management System)**

Entity Schema List

Work (JobSheetID, PartsReq, EstCost, InDate, EstOutDate, EmployeeID)

Customer (ProductID, Name, ContactInfo (MobileNo, e-MailID, Address))

Employee (EmployeeID, Name, ContactInfo (MobileNo, e-MailID, Address), TaskCount, Engineer)

WorkDone (PartsUsed, TotalCost, InDate, OutDate)

Inventory (PartID, PartQty, PartName, PartOutCost)

Request (PartID, QtyOrdered, PartInCost, ReqDate, EstInDate)

Relations

Works: Work, Employee. Employee works on the Work.

Servicing: Customer, Work. Customer gives his/her product for servicing.

After Service: Work, WorkDone.

Check: Employee, Inventory. Employee checks for spare-parts in the inventory.

Order Part: Employee, Request. Employee orders the required spare-parts.

Update: Inventory, Request. Inventory is updated according to the requested spare parts.

Hrithrisha Majumder  
140911276

Kartike Sachdeva  
140911396