

CLASS DIAGRAM

ER DIGARM WITH CLASS DIAGRAM

SOP-

I. IDENTIFY THE CLASSES-SRS-

ENTITY-

CLASS-**PEOPLE**-EMPLOYEE, STUDENT,
FACULTY

NOUN

ORGANIZATION- DEPARTMENT,
COMPANY.

PLACE-STATION

EVENT

TRANSACTION

PERSISTENT DATA – ENTITY OBJECT

2.MODEL THE NONSOFTWARE THINGS

OPERATION-PEOPLE WHO SEND
INVOICES

RAILWY RESERVATION COUNTER-
ROBOT

3.MODEL PRIMITIVE TYPES

ENUMERATION

STATUS

1.ERR DIGRAM--→ CLASS DIAGRAM

2. DATA FLOW DIAGRAM-

DATA STORES,

R2-CD-E-DFD-ADD AS C INTO CD.

EXTERNAL ENTITIES,

ACTORS-INPUTS, LIBRARIAN-

PUBLISHER

3. DYNAMIC MODELLING-CLASSES

INTO THE CLASS DIAGRAM

THREE TYPES OF OBJECTS

ENTITY OBJECT- PERSISTENT DATA

BOUNDARY OBJECT: systems-GUI

LOAN- LOAN CLASS REPORT,

MARGAGE CLASS REPORT

CONTROL OBJECT:

**COMPLEX COMPUTATION,
ALGORITHMS.**

Total bill class

Buttons class.

Classes –class diagram

2.ATTRIBUTES

**Simple , composite, multivalued,
derived attributes.**

3. RELATIONSHIPS

1;1, 1:n, M:N,

INHERITANCE

WHOLE-PART RELATIONSHIP

**AGGREGATION, GENERALIZATION,
COMPOSITION, O, D**

Dependency

4. UML USE NOTATIONS

GENERAL NOTATIONS-uml