PROBLEM 4 :

GIVEN ERD WITH CONSISTENCY ERRORS:-



FIGURE 1

ERRORS IN FIGURE 1 ARE:-

ERROR 1: Redundant foreign key (Attribute 1-1) in Entity 2.

Remove foreign key.

ERROR 2: Redundant Foreign key(Attribute 4-1) in Entity 2.

Remove foreign key.

ERROR 3: Same relationship names for two relations(Rel6).

Rename Rel6 between Entity 4 and Entity 7 to Rel 8.

ERROR 4: The relation Rel 8 between Entity 4 and Entity 7 is not identifying.

Change solid lines to dotted lines(regular relationship)

ERROR 5: Entity 6 is not a weak entity.

Change Entity 6 from weak to regular.

ERROR 6: Rel 7 is not a weak relation.

Change Rel 7 from weak(solid lines) to regular(dotted lines).

ERROR 7: Entity 2 has 2 attributes with same name Attribute 2-1.

Remove redundant attribute.

NEW ERD AFTER RESOLVING CONSISTENCY ERRORS:

