

## **Access Management for Global Healthcare**

### **List of entities:**

- Patient
- Doctor
- Visit – Associative Entity
- Diagnosis
- Employment – Associative Entity
- Healthcare Facility
- Test
- Consists of – Associative Entity
- Drug
- Prescribed – Associative Entity

### **Changes in Initial ERD:**

- There is a Many to Many Relationship between Patient and Doctor, the entity named “Visit” in the initial ERD is now converted into an associative entity with Patient ID, Doctor ID, Facility ID as foreign keys
- Diagnosis test is a multi-valued attribute and hence has been converted into an associative entity i.e., “consists of” and a new entity is created called “Test” with Test ID as primary key and test name as a non-key attribute
- Changes have been made in the entity “Employment” by removing the subtypes and supertype hierarchy
- “Employment” acts as an Associative Entity between Healthcare Facility and Doctor since it is a Many to Many Relationship.