



# Enhanced ER Model

## ➤ Specialization and Generalization -

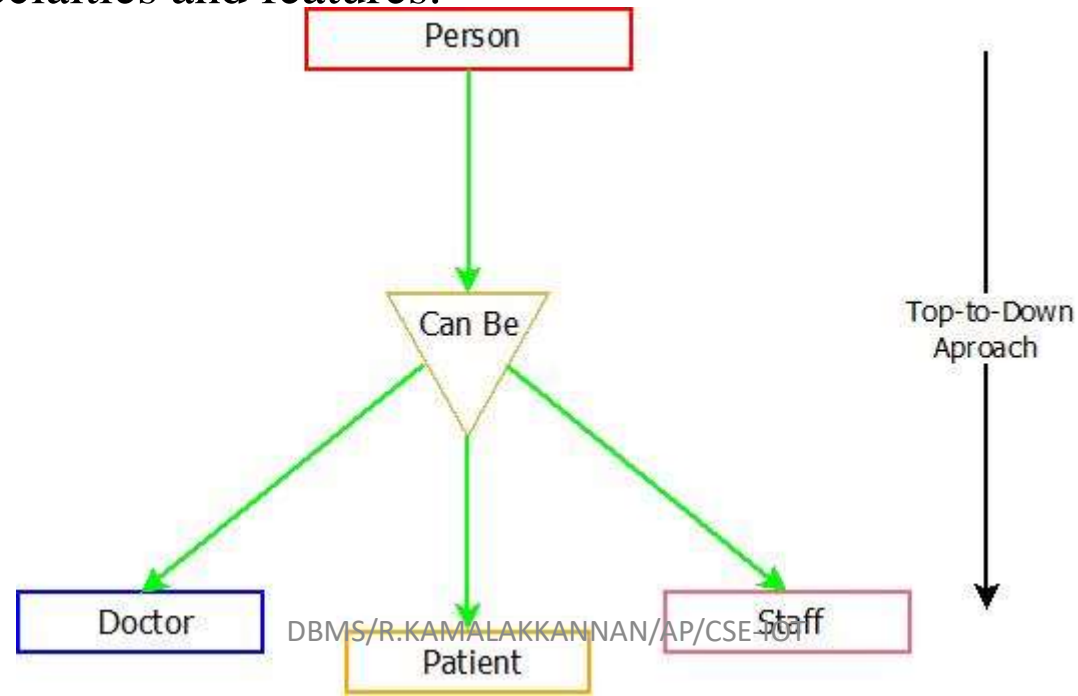
- The process of making subclass from a general concept – specialization.(top – down process)
- The process of making superclass from subclass – Generalization. (bottom up process)
- Superclass: An entity type that represents a general concept at a high level
- Subclass: An entity type that represents a specific concept at a low levels



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## ➤ Specialization:

- The procedure to split up the entities into further sub entities on the basis of their functionalities, specialties and features.





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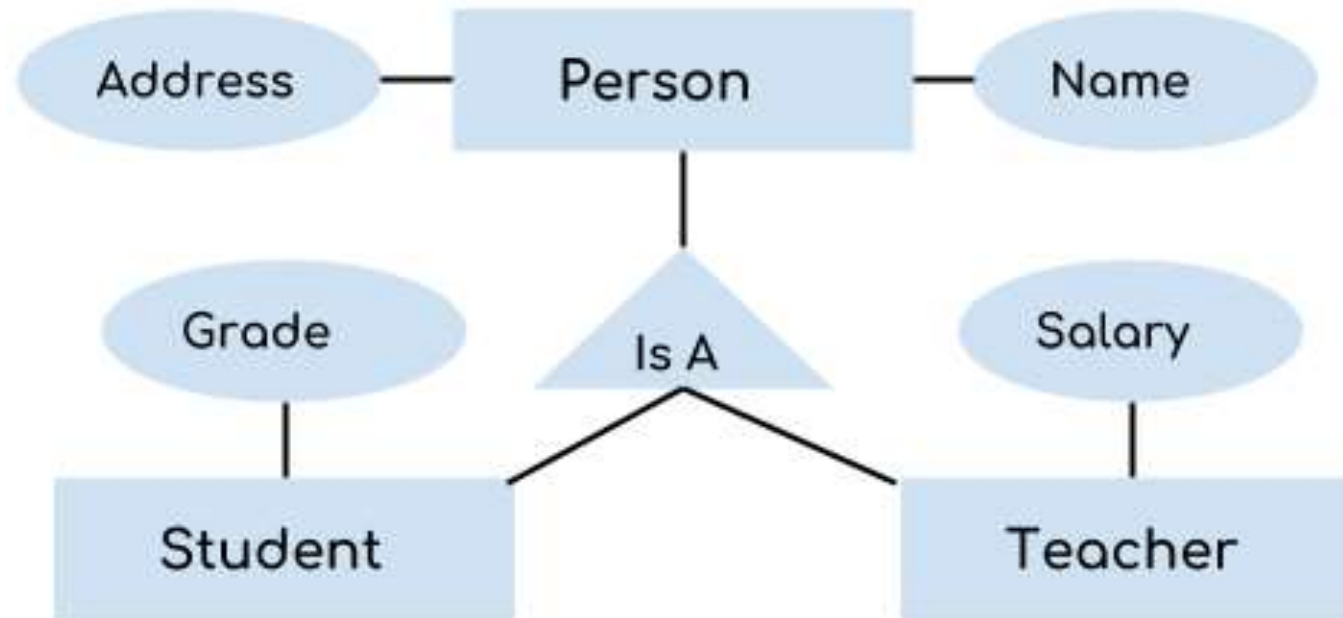
## ➤ Generalization:

- The sub entities are combined together into a super entity set on the basis of some common features in such a way that the new entity thus formed contains all the features of the sub entities.



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## ➤ Generalization



Generalization



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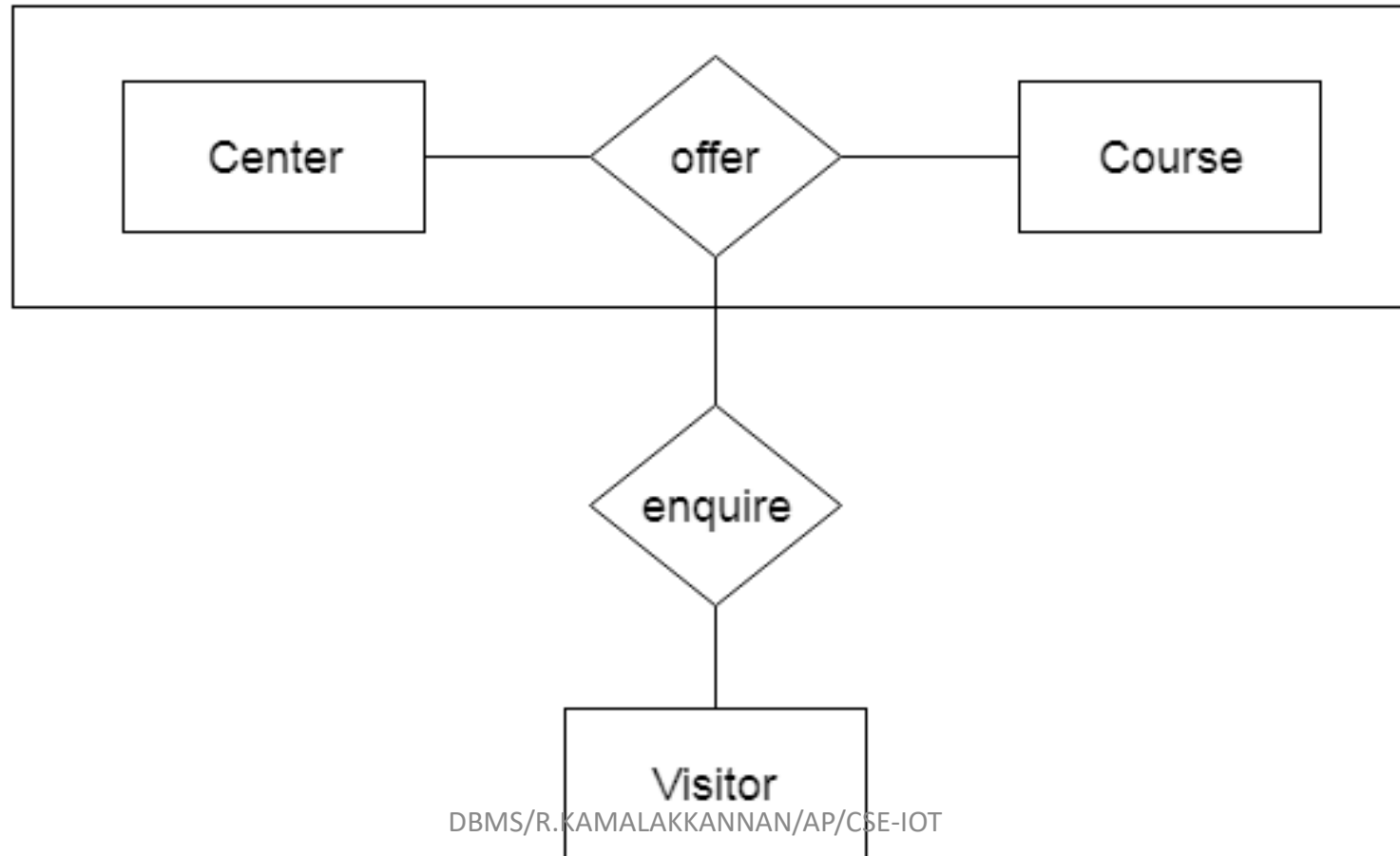
## ➤ Aggregation:

- The relation between two entities is treated as a single entity.
- In aggregation, relationship with its corresponding entities is aggregated into a higher level entity.



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➤ Aggregation:





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# Thank You.....