

CEP MAPPING

- ❖ How Knowledge Profile (Ks) are addressed through out project:

Ks	Attribute	How Ks are addressed through the project
K3	Engineering Fundamental	In order to create the model using MySQL server, the project required knowledge of basic database concepts.
K5	Engineering Design	The model was created using ER and Schema diagrams.
K6	Engineering Practice	use of modern applications like SQL Server Management Studio.
K7	Comprehension	Efficiently manages medical centers, optimizing patient care, and resource allocation for improved healthcare delivery.

- ❖ How complex engineering problems (Ps) are addressed through our project and mapping among Ps, Cos, POs:

Ps	Attribute	How Ps are addressed through the project	Cos
P1	Depth of Knowledge Required	Cannot be resolved without in-depth knowledge of engineering at the level of one or more Database fundamentals (K3), ER diagram & Schema diagram (K5), use of SQL server to implement SQL (K6) and lastly the impact on society (K7).	CO1 CO2 CO3 CO4 CO5
P3	Depth of analysis required	Extensive knowledge was required as the project contains some approach which might have been done in another way, such as the ER model might not always be exactly the way that was shown in the project. So in-depth analysis would help to find or collect information from the database more efficiently.	CO3 CO4 CO5
P6	Extent of stakeholder	Stakeholder CEP (Concerns, Expectations, and Priorities) mapping for medical center management involves identifying key stakeholders, understanding their concerns and expectations, and prioritizing them. This process enables healthcare institutions to address critical issues, improve patient care, and align with stakeholder needs. It is a dynamic approach that involves continuous monitoring and adaptation to ensure the effective functioning of a medical center.	CO6

P7	Interdependence	The project allowed to partition the whole problem into smaller sub problem for example if someone wants to know about doctor there is a doctor table from which we can find doctor name email gender etc.	CO7 CO8
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- ❖ How complex engineering problems (Ps) are addressed through our project and mapping among Ps, Cos, POs:

As	Attribute	How as are addressed through the Project	COs
A1	Range of resources	Through out the process, many resources were needed. These comprise: Information: Data of all types of users in the database like Doctor, Patient, Medical History Technology: SQL Server to manage the database Equipment: Personal computer, Internet People: Users and Developers	CO8 CO9
A4	Consequences for society and environment	Effective medical center management can significantly impact society and the environment. It leads to better healthcare outcomes, economic benefits for the community, and positive environmental practices. However, it also requires responsible waste management and resource allocation to minimize its environmental footprint and ensure public health and safety. Promoting sustainability and community engagement while adhering to regulations is crucial for a well-rounded approach to medical center management.	CO6
A5	Familiarity	The project shows the use of Medical Center and management system for every type of users.	