

CEP Mapping

- How **Knowledge Profile (K's)** are addressed through our project and mapping among K's, COs, POs:

K's	Attribute	How K's are addressed through our project	CO	PO
K3	Engineering fundamentals	Our project need understanding on Database fundamental to formulate a suitable model.		PO1
K4	Specialist knowledge	Railway service related knowledge.		PO1
K5	Engineering design	We used ER diagram and Schema diagram to design our project.	CO3, CO4	PO3, PO5
K6	Engineering practice	Implemented our project in XAMPP Server Management Studio with the help of SQL language.	CO1, CO2, CO5	PO5
K7	Comprehension	Our project gives positive feedback on society as it will help people to get railway services easily and effectively.	CO6, CO7	PO6, PO7, PO8

- How **Complex Engineering Problems (P's)** are addressed through our project and mapping among P's, COs, POs:

P's	Attribute	How P's are addressed through our project	CO	PO
P1	Depth of knowledge required	Creating a database project for the railway sector involves designing a database system to manage various aspects of railway operations, including passenger information, train schedules, ticketing, maintenance, and many more.	CO 1-5	PO1, PO3, PO 5-8
P3	Depth of analysis required	Analysis the railway sector in a database involves examining various aspects of the industry, such as operations, infrastructure, financials, safety, and performance. To perform a deep analysis, you would typically require a comprehensive database with relevant data. Below are some key areas to consider when conducting a thorough analysis of the railway sector.	CO3, CO4, CO5	PO 6-8, PO12
P7	Interdependence	The interdependence of various aspects within the railway sector is an important part of understanding its operations and challenges. Interdependence in this context refers to how different elements within the	CO8	P10, P11

		railway system rely on each other and how changes in one area can affect others.		
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- How **Complex Engineering Activities (A's)** are addressed through our project and mapping among A's, COs, POs:

A's	Attribute	How A's are addressed through our project	CO	PO
A1	Range of resources	Resources in the railway sector are diverse and encompass various categories to support the efficient operation, maintenance, and development of rail infrastructure and services. They are rolling stocke, ,technology & equipment	CO8	P11
A4	Consequences for society and the environment	The railway sector has both positive and negative consequences for society and the environment.	CO6	P6, P7