StudyMate CEP Mapping

How K's are addressed through the project:

Ks	Attribute	How Ks are addressed through the project	COs	POs
K3	Engineering fundamentals	Our project needs understanding of web programming, database management, and basic web technologies to create a functional marketplace and tutoring platform.	CO1	PO1
K4	Specialist knowledge	We used Django framework, HTML, CSS, and backend integration knowledge to build secure and scalable web services.	CO4	PO5
K5	Engineering design	We designed system architectures like ER diagrams and flowcharts to model the StudyMate website structure.	CO3	PO3
K6	Engineering practice	We used VSCode for development, Django for backend, SQLite3 for database, and GitHub for version control.	CO4	PO5
K8	Research literature	We studied existing tutoring models and online marketplaces to design an innovative chapter-wise payment system.	CO2	PO2

How P's are addressed through the project:

Ps	Attribute	How Ps are addressed through the project	COs	POs
P1	Depth of Knowledge Requirement	Cannot be resolved without in-depth engineering knowledge of web development (HTML, CSS, JavaScript), Django backend, database management, and user authentication.	CO2 CO4	PO2 PO3
P2	Range of conflicting requirements	Conflicts between affordability for students and fair earning for tutors, balancing fast tutor matching with quality assurance.	CO2 CO4	PO3 PO5
P3	Depth of analysis required	Designing a practical chapter-wise tutor hiring and payment model needs innovation and analysis, as no direct model exists.	CO4	PO2 PO3
P4	Familiarity of issues	Introducing a new learning model combining tutoring, book sales, and scholarships — relatively new for students and educators.	CO3 CO5	PO3 PO9
P7	Interdependence	Authentication, tutoring system, bookstore, notes section, and scholarship updates must function in a coordinated and dependent way.	CO7	PO10

How A's are addressed through the project:

As	Attribute	How As are addressed through the project
A1	Range of Resources	We needed diverse resources like user data, tutor profiles, books inventory, and technologies including HTML, CSS, Django, and databases.
A2	Level of interaction	Interaction needed between students, tutors, admin panel, and scholarship providers to ensure service delivery.
A3	Innovation	Creative new chapter-wise payment system for tutors and integration of multiple services in one platform.
A4	Consequences for society and environment	Promotes affordable education, reduces need for physical infrastructure for coaching, and supports sustainability through digital services.
A5	Familiarity	The platform combines different domains (education, commerce, scholarships) requiring principle-based solutions.