**How Ks is addressed through the project and mapping among Ks, COs, and POs.**

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| **Ks** | **Attribute** | **How Ks is addressed through the project** | **COs** | **POs** |
| K1 | **Natural sciences:**  A systematic, theory-based understanding of the natural sciences applicable to any problem. | Knowledge related to creating the proposed system first I’m combining various previously tested formulas and theory. | **CO1** | **PO1** |
| K3 | **Engineering fundamentals**:  A systematic theory-based formulation of engineering fundamentals is required in this project. | Design, quality assurance,  reliability, risk management, cost and schedule estimation, sizing, planning, test and integration process are essential elements to complete this project. | **CO1** | **PO1** |
| K4 | **Specialist knowledge**:  Specialist knowledge refers to a man who is highly skilled and have an experience in a particular field. | In this project I will add experienced analysts, specialist nutritionists, highly skilled chefs and other staff. |  | **PO10** |
| K5 | **Engineering design:**  Knowledge that supports engineering design in our project | When I’m creating a project, I need to do the following things: ER diagram, Data Flow diagram and also use case diagram. | **CO2** | **PO3** |
| K6 | **Engineering practice:**  Knowledge of engineering practice did also play a vital role in our project. | **I**t is a basic knowledge that is needed to work with planning and learn the steps to create a proper project. | **CO3** | **PO5** |
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**How Ps are addressed through the project and mapping among Ps, COs, and POs.**

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| **Ps** | **Attribute** | **How Ps are addressed through the project** | **COs** | **POs** |
| **P1** | **Depth of knowledge required:**  To resolve any hard equation or problem in this sector first need a depth knowledge of Engineering at the level of one, or more of K3, K4, K5, K6 and K8 which allows a fundamental based. | In this project I need to study of related works and design the project with designing tools  (K3 – engineering fundamentals-  To find cost and schedule estimation, sizing, planning),  (K4 - specialist knowledge – to add experienced staff)  (K5 - engineering design – to draw ER diagram, Data Flow diagram and also use case diagram),  (K6 - Engineering Practice – to gain project idea basic knowledge that is needed to work with planning) | **CO1,**  **CO2,**  **CO3,**  **CO4** | **PO1,**  **PO2,**  **PO6** |
| **P3** | **Depth of analysis required:** Attempt to expose and explain in detail a certain problem, issue or phenomenon | I have seen the problem of getting healthy food to eat at a cheap cost. To sort the problem, we take the initiative to create a food network website in order to provide healthy food. | **CO3** | **PO2,**  **PO3,**  **PO4** |
| **P5** | **Extent of applicable codes:**  Here i implement this project through coding and solving problems encompassed by standards and  codes of practice for professional engineering | To create a website, HTML, CSS, Bootstrap is used to create the frontend and through using Django I have created the backend.  These elements will help to run and maintain the website properly. | **CO1,**  **CO2,**  **CO3.** | **PO2,**  **PO3,**  **PO5** |
| **P7** | **Interdependence:** Interdependency refers the relationship between tasks where one task can make an impact to another's progress in a particular project | Project involves three subsystems mainly:  1. Requirement Analysis  2. Designing the ER Diagram, Data Flow Diagram and Use Case Diagram  3. Choosing proper development methodology and preparing documentation for the project | **CO1,**  **CO2,**  **CO4.** | **PO1,**  **PO5,**  **PO9** |
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