Core Courses Mapping

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| **Project Title:** | | Automation of Minutes of the Meeting | |
| **Project Members:** | | 1. Mehdi Raza K16-3904 2. Hussain Yousuf K16-3805 3. Shehryar Naeem K16-3950 | |
| **Project Supervisor:** | | Dr. Muhammad Rafi | |
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| **S No.** | **Core Courses** | | **Remarks** |
| 1. | Programming Fundamentals | | * All the basic programming skills. |
| 2. | Object Oriented Programming | | * The use of Classes and Abstraction. * The use of overloaded functions. |
| 3. | Data Structures & Algorithms | | * The use of data structures trees, sets and maps in our project. * Taking care of Time and Space complexity so that our solution works efficiently. |
| 4. | Discrete Structures | | * The implementation of Probabilistic Information Retrieval which is based upon Bayesian Probability and Odds calculation. * The use of trees and graph in our algorithm to classify the sentences. * The use of word embedding that use graph primarily. |
| 5. | Operating Systems | | * The use of multiple threads to speed up the independent task manipulation. |
| 6. | Database Systems | | * The use of Mongo DB in our project. * The use of ERD diagram to showcase our Database Structure. |
| 7. | Software Engineering | | * The use of iterative development model for this project development. * The use of Kanban Framework for work distribution. |
| 8. | Computer Networks | | * The use of Client Server Architecture for our Project. * The different pipelines are developed to solve different task and then combined. |
| 9. | Information Systems Security | | * The careful use of session management and cookies. * Taking care of user information by storing the confidential information encrypted. * Use MAC to protect the important data. |
| 10. | Design And Analysis Of Algorithm | | * The use of string matching algorithms. * The use of different Machine Learning Algorithms. |
| 11. | Object Oriented Analysis And Design | | * Designing different diagrams to represent the project. |