Group:05

Project Name: Online Home Tutor Booking System

**Motivation:** Web-based booking appointment systems are prevalent currently either online or using traditional queuing systems. Several businesses like hospitals use different Web-based appointment systems for their patients which make appointments process more efficient, thereby minimizing patient’s waiting time and maximizing the total number of patients served. This study presents a web based appointment booking system through web or mobile devices that assists both students and lecturers to be acquainted with the time of appointment wherever they are. The system allows students and lecturers to simply gain access to the system by connecting to the Internet.

**Objective:** The main objective of this project is to create a online tutor booking opportunities for the student.

**Critical Challenges:** Getting optimal results in a very short time using heuristic search.

How Ps are addressed through the project and mapping among Ps, Cos and Pos :

|  |  |  |
| --- | --- | --- |
| Ps | Attribute | How Ps are addressed through the project |
| P1 | Depth of Knowledge Requirement | * Solving the tutor booking system more easier(K7) * Frontend design using HTML(K5) * Development using python framework(k6) * Knowledge of software engineering and python(K3,K4) |
| P2 | Range of conflicting Requirement | Create a online tutor booking system where the student can booking their tutor as they need. |
| P4 | Infrequent Issues | Fake registration. |
| P6 | Varying Needs | This Website will have two types of user student and tutor both have their specific needs. |

Addressing Complex Activities (As) Through The Project:

|  |  |  |
| --- | --- | --- |
| As | Attribute | How as are addressed through the project |
| A1 | Range of Resource | By using django we designed a webpage where the student can find tutor as they needed. |
| A2 | Level of interaction | Both students and teachers can be connected through phone numbers and SMS. |
| A4 | Consequences for  society and environment | With this project reducing time west and find best tutor for students. |
| A5 | Familiarity | This project will help students and parents to find best teacher according to their needs. |

CO-PO mapping for this Project:

|  |  |  |
| --- | --- | --- |
| CO No. | CO Statements :Upon successful completion of the course,students should be able to: | Corresponding POs  (Appendix-1) |
| CO1 | **Explain** this project is the solution for booking tutors online | 1,2,3,12 |
| CO2 | **Use** a modern IDE(python language) | 4,5 |
| CO3 | **Communication** The project was built by individuals as team. | 9,10 |
| CO4 | This project is beneficial for booking tutor easily for students. | 6,7,8 |
| CO5 | **Apply** In this project admin will be able to monitor everything and remove or accept any account | 11 |

Appendex-1:

Program Outcomes (PO) for engineering Program:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| NO | | PO | | Differentiating Characteristic |
| 1. | | Engineering Knowledge | | Breadth and depth of education and type of knowledge, both theoretical and practical |
| 2. | Problem Analysis | | Complexity of analysis | |
| 3. | Design/ development of solutions | | Breadth and uniqueness of engineering problems i.e. the extent to which problems are original and to which solutions have previously been identified or codified | |
| 4. | UML diagram evaluation and Introduction to DB design using ER diagram | | Level of understanding of the appropriateness of the tool | |
| 5. | The Engineer and Society | | Level of knowledge and responsibility | |
| 6. | Ethics | | Understanding and level of practice | |
| 7. | Individual and Team work | | Role in and diversity of team | |
| 8. | Communication | | Level of communication according to type of activities performed | |
| 9. | Lifelong learning | | Preparation for and depth of Continuing learning. | |