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|  | **HASAN KALYONCU ÜNİVERSİTESİ**  **Bilgisayar Mühendisliği Bölümü** **COME 499 Proje Öneri Formu** |

**Birinci Bölüm. Projeyi Öneren**

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| **Ad Soyad** |  | **E-mail** |  |
| **Şirket Bilgileri**  **(**Eğer bir şirketle ilişkiniz varsa**)** |  | | |

**İkinci Bölüm. Project Information**

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| **Başlama Dönemi** | |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | 2 | 0 | 2 | 2 | / | 2 | 0 | 2 | 3 | |
| **Projenin İsmi** | Cloud-based Blood Bank Management System. |
| **Projenin Açıklaması** | |
| A blood bank is a cache or bank of blood or blood components, gathered as a result of blood donation or collection, stored and preserved for later use in blood transfusion.  In order to resolve the communication gap among the hospitals, blood banks, donors, and receptors such a system is important. In this project our aim is to develop a web application and mobile application , which will be hosted and totally managed on cloud and will provide fast and easy access. This project is basically focused on improving conventional working of blood bank management information system using the infrastructure of cloud computing and therefore will improve the performance, security and increase the availability.  The idea is to allow the users to view the knowledge of nearby hospitals, blood banks and  also the three important perspectives which includes the hospital, blood bank and patient/donor.  The project consists of a central repository containing various blood deposits available along with associated details hosted on cloud server. These details include blood type, storage area and date of storage. These details help in maintaining and monitoring the blood deposits. This system will be developed with AWS cloud platform services. | |
| **Projenin Savunması** | |
| **Yenilik** | |
| **Yeni Görüşler** |  |
| **Karmaşıklık** | |
| **Zorlu problem ve konular** |  |
| **İlgili bilgisayar bilimleri alanları ve alt alanları** | Cloud Computing, Software Engineering |
| **Araçlar** |  |
| **Riskler** | |
| **Potansiyel problemler ve alternatif çözümler** | System testing and documentation may take longer than expected due to last minute errors in implementation, calibration, and evaluation. So we are planning to perform unit testing as early as possible. |
| **Gereken minimum iş yükü** |  |