

## **Problem Definition:**

### **AIUB PARKING SPACE MANAGEMENT**

AIUB is going to launch a Parking space Management. There will be a secondary gate on kuratoli and any kind of vehicle can pass through this gate. But the system will tell that whether there is any space for parking checking the space by security guard for those who want to park the vehicle on AIUB parking space. On the main gate user has to fulfill criteria to park the vehicle. This System can verify the user whether member or not when the user punch the parking card. If the card is verified the system generates a token number and give it to the user for entry. In the token the parking number is written and the user have to park the vehicle in that numbered place. If the card is not verified then the system does not give the entry. If any student or teacher want to park bi-cycle or bike they can proceed in the same process by getting token. Those who are not members they can register first to park. For this they have to provide university ID card or national ID card photocopy and license photocopy to the parking manager in office. The parking manager will input the ID card number and license number in the system. When the registration is complete, the system generates a vehicle number and a parking card which is given to the user by the parking manager. If someone does not want to register then security guard commands the system to generate a recite and then system seeks permission from manager and generates recite by the permission of manager. Then the user can enter the parking space. There will be a fixed space for battery-operated Transport for students to give them lift from kuratoli to bishwa-road and for some permanent vehicles of AIUB in the parking space and also the other types of vehicles have fixed places like cars, bikes or bi-cycle. Those vehicles can enter the by giving the vehicle number in the system by the security guard. There will be a charging station inside the parking area and from there system can check

whether the battery-operated transports are charged or not. Other users can use that space if the transports are in operation. In the exit time, the user has to punch the parking card or give the recite number to the security guard so that he can keep the record of exit time to of a particular vehicle.