**Motivation and Demand**

As mentioned before, transportation to and from the institute is a major hurdle in student life at GIK. The only sufficiently comfortable, economical and reliable mode of transport available is the GIKI bus. However, the said mode of transport only travels to and from Islamabad, Rawalpindi and Peshawar, and only on the conventional cycle of Fridays from GIK and the return trip on Sundays, both slightly late in the day. The more versatile options with respect to departure time, date and drop off venues are local transport and renting a car. The latter is downright expensive and requires the student to be able to drive while overcrowding is a common practice in the former. Furthermore, local transport also stops running after dark and they pick up from a very limited number of stops only. Apollo and Nosheen are other services that operate to and from Lahore but face similar constraints of slight crowding, bad value for money and inconvenient drop off venues and departure timings.

There is also demand for modes of transportation within university grounds as some individuals face difficulties in walking long distances to take/deliver lectures or to the tuc area due to bodily(injured, senior and disabled people) and/or time constraints. Sometimes harsh weather conditions also present huge difficulties in moving by foot.

Moreover, the booking process is completely manual and is accomplished physically or by contacting operators through their phone number and many times said operators fail to respond. This is an easily avoidable hassle.

**Scope and Range of Operation**

Our mobile application aims to provide an optimal solution to all of these problems through a variety of features and options. First and foremost, the app will centralize bookings and information for all the already available means of transportation so that the customer(s) can easily compare all the alternatives available to them in all aspects, be it departure times, arrival and departure venues, vehicle type, fares, routes etc. The booking process itself will also be entirely digital including payment methods which will include most online payment methods and the option to pay in cash before and after the ride.

Secondly, through our app we hope to enable a wider variety of transportation businesses similar to Uber and Kareem but to and from GIKI and other cities where the customer(s) can seamlessly book their own rides from/to locations, time, vehicle etc of their own choosing. The app will also lay the groundwork for a shuttle service inside GIK.

Currently, there are no competitors for this type of application.

**Conclusion**

Transportation in GIK is a major issue and a completely unnecessary burden on students. We seek to address this problem through our mobile application (developed through Flutter, Android Studio and VS Code) and instead turn it into an opportunity for transportation businesses and general development of the institute.