**SAFETY SPHERE**

**Guardian Panel**

* Guardian user id generate kre ga jis se user apne panel mein login kre ga
* Guardian k paas bike off krne button hoga
* Agr user ko helmet utar k bike chalani hai tou usska button bhi yahan hoga, jisey on kr k user helmet utaar kr bike chala sakta hai
* Bike ki location k hisab se weather update aa rha hoga
* Bike kitne km chali hai vo user k paas show hoga or 1 month ka past data show kre ga
* Bike ki live location tracking ho rhi hogi
* Jab oil change kren gy tou uss ki date input kren gy or kitne km bike chalani hai vo set kren gy. Jab target km complete hojayen gy tou oil change ki notification aye gi.
* Guardian k paas speed limit set krne k option hoga, agr over speeding hogi tou guardian k paas notification jaye gi.
* Guardian k paas user ki current speed bhi show hogi
* Guardian k paas emergency SOS ki notification aye gi, bike ki live location k paas
* Agr user jis area mein jaa rha hai wahan snatching risk high ho tou high show kre or low mein low show kre
* Helmet ki battery health show hogi
* Guardian k paas bike or helmet mein lagy sensor ki information bhi show hogi, 0 and 1 mein k konsa sensor kaam kr rha hai or konsa nahi.

**User Panel**

* Bike ki location k hisab se weather update aa rha hoga
* Bike kitne km chali hai vo user k paas show hoga or 1 month ka past data show kre ga
* Bike ki live location tracking ho rhi hogi
* User k paas bike off krne button hoga
* User k paas emergency SOS bhejne ka button hoga
* Jab oil change kren gy tou uss ki date input kren gy or kitne km bike chalani hai vo set kren gy. Jab target km complete hojayen gy tou oil change ki notification aye gi.
* Agr user jis area mein jaa rha hai wahan snatching risk high ho tou high show kre or low mein low show kre
* Helmet ki battery health show hogi

**Helmet Hardware**

* Emergency SOS button helmet k andar laga hoga jisey press kren gy tou guardian ko live location k sath msg chala jaye ga or bike bhi band hojaye gi
* Impact sensor lagen gy helmet mein jis se agr helmet kahin hit hota hai ya accident hota hai tou emergency msg chala jaye ga guardian ko with live location (yeh tab kaam kre ga jab helmet pehna hua ho)
* Aik buzzer bhi hoga helmet mein, agr bike k samne koi obstacle aye ga tou buzzer bajey ga.
* Limit switch helmet mein lagen gy jis se yeh pata lagy ga k user ne helmet pehna hua hai ya nahi.
* Helmet ko charge krne k liye aik port hoga (type C ya android cable kuch bhi)
* Helmet is the key, agr helmet pehne gy or phir bike ka ignition on kren gy tou bike start hogi, helmet utre ga tou bike band

**Bike Hardware**

* GPS tracking device lagy gi bike mein jis se guardian or user dono k paas live location aa rhi hogi
* Bike mein camera lagy ga jo k agy se anne wale obstacle ko judge kre ga machine learning k through
* Bike se obstacle certain distance pr hoga tou pehle buzzer bajey gi.

**BikeWebCam**

* WebCam k through obstacle/speed breaker detect hoga or usska pura data set train hoga.
* Live recording camera save kre ga or incidents capture kre ga.