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CI-102-064

Team 46

System Components

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| 1. Arduino and associated sensors - provides core requirements for our helmet |
| 2. Arduino and sensor code - seamless functionality of the sensors |
| 3. Rechargeable batteries - easy support for user interaction and use of helmet |
| 4. GPS Connection - for transfer and utilization of Google Maps API |
| 5. JSON Data - stored sensor data that can be accessed via USB computer connection |
| 6. Mobile Application - user customizable interface to enhance ride |
| 7. Database - past history of coordinates and personal information |
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| Support system - for medical and database managers |
| Network manager - maintain information from user to user |