**Activity 3:**

**5W-1H Activity**

**Team 10:**

**Project Title:**

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| **Aspect** | **Questions** | **Details** |
| **Who** | **Who are the stakeholders?** | Primary stakeholders :- Drivers, Farmers, Fuel providers, service station owner. |
| Secondary stakeholder :- Industries , Investors, Government Agencies, Local community. |
| Benificiaries :- App developers |
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| **What** | **What is the problem?** | Running out of petrol leave you stranded wasting time and causing in-convenience. |
| Finding the nearby petrol station or getting fuel deliverd can be a challenge |
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|  | **What is the solution?** | Petrol station location:- developed the user friendly application that allow user to find nearby petrol station using there device GPS. |
|  | **What are the key features?** | Fuel Price Tracking: Real-Time fuel price updates for various fuel types and locations. |
| Fuel Station Locator: Mapping and direction to nearby fuel stations. |
| Budgeting Tools: Fuel expense tracking and budgeting features. |
| Rewards and discounts: Partnerships with fuel stations for exclusive discount or rewards. |
| Community Sharing: Users can share fuel prices, Tips, and Reviews with the communites. |
| **Where** | **Where will the system be used?** | Residental Areas: Home, Apartments, Condominiums |
| Transportation Hubs: Airports, Bus stations, Train station |
| Emergency Services: Hospitals, Emergency response teams, Disaster relief areas. |
|  | **Where will the solution be developed and tested?** | Development Locations:-  -In-house teams  - co-working spaces  - remote Teams |
| Testing Locations:-  - In-House Testing Labs  - External Testing Lab  - Remote Testing |
| **When** | **When is the device needed?** | Long Road Trips or Remote areas |
| Severe Weather Condtions( Hurricanes)  Evacuations. |
|  | **When should the project be completed?** | 6-12 months for basic version  12-18 months for advance version  18-24 months for complex version. |
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| **Why** | **Why is this project important?** | Save the time: no need to wait in lines or travel to service stations. |
| Reduced carbon footprint: Fewer fuel tankers vehicles on the road |
| Reduced accidents: Minimized risk of fuel tanker accidents |
|  | **Why will the users adopt this solution?** | Time Saving: Quickly locate nearby fuel stations, reducing search time. |
| User Friendly Interface: Intuitive Design and simple navigation. |
| Security : Safe storage of users data and secure payment processing. |
|  | **Why is IoT the right technology?** |  |
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| **How** | **How will the system work?** | Our Fuel delivery application allows user to request fuel to be delivered to their location when the are stranded on the road due to empty fuel tank. |
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|  | **How will it be deployed?** | Users can mark their car’s location on the application and choose time for delivery to arrive and fill up. |
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|  | **How will you measure success?** | Fuel Delivery and Sales:  -Volume of fuel delivered  -Revenue generated  -Average order value and frequency |
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