



CONSTRUCTION
SAFETY PPE KITS

Scenario

Construction companies are facing challenges in ensuring worker safety by maintaining PPE compliance within designated safety zones. The app aims to provide supervisors with actionable insights.

Expectations

- Safety Compliance
- User-friendly Design
- Seamless Integration

	awarness stage	considerations stage	acquisition stages	advocacy stages
Actions	1.investigate current challenges in managing labour safety and movement on constrution sites 2.speak to site managers contracrations,and safety officers 3.analyze the exiting processes for monitoring labour monitoring labour movement and ppe compliances	1.outline key features: geofencing PPE detections,attendance,tracking,and compliance reporting 2.create prototypes and test the applications in controlled enviroments 3.identify hardware requiements such as IoT devices for PPE kits and trackers	1.register site manager and workers on the app 2.deploy tracking devices and train workers on their usage 3.test the app for real time alerts and ensure smothth integration with site workflows .	1.share positive outcomes with colleagues and industryb peers 2. provide feedback to improve future versions of the products
Pains	1.difficulty in monitoring labour movement in large sites 2.non compliance with ppe regulations ,leading to accidents and penatalies	1.ensuring hardwares and software compatibilty 2.mangaing costs for large scale impletations	1.resistance from workers unfamiliar with tenchology 2.ensuring data accuring from tracking devices	1.ensuring system reliability to maintain user confidence 2.overcoming adopations hesitation in smallers companies
Feelings	<ul style="list-style-type: none">• Concerned about worker safety• Over whelmed by the complexity of compliance requirement• Eager to explore potential solution	<ul style="list-style-type: none">• Curious about new technology• Anxious about its feasibility in large scale implementation• Hopeful about solving compliance issues	<ul style="list-style-type: none">• Confident in potential safety improvements• Cautions about worker acceptance• Motivated to see early results and performance	<ul style="list-style-type: none">• Proud of improving site safety• Satisfied with the app affectiviness• Optimise about setting industry benchmarks for safety
Opportunities	1.markets demands :increasing focus on worker safety regulations and compliance 2.IOT integrations :use weariable tech to monitor movements and PPE status 3.safety first:enable real time alerts for workers entering safety zones withouts PPE	geofencing tenchology:automatically detect when workers entry or exit safety zones 2.real time monitor :provide live data on labour disturbutations and PPE compliances	1.gamification:incentivize PPE compliance through rewards or recongiation programs 2. customizability:allow managers to set specific safety zones and rules based on site needs 3..multi site functionality:enable site managers to track multiple construstions site simultaneously	collabrtae with construction industry associations to promote adopation exand to the industries like manufactring or mining that face similar safety challenges