

Challenge

- Bushfires are a very common occurrence in Australia. The extent of damage caused due to this phenomenon is alarming. In 2019 and 2020, a loss of over 4 Billion A\$ was estimated due to bushfires.
- To reduce such damage and losses, the fire-fighters authority of Australia was looking for a digital solution for its citizens to better equip them in case of these emergencies, improve the rescue response time and improve forecasts accuracy of these accidents.



Improving firefighter safety and fire prevention with Fire Fighter App.

Solution

- ✓ Incture has built a mobile application to enable citizens and Australian government to fight bushfires. Also, an admin panel was built for authorities to track incidents/crimes reported. This paperless approach is expected speed up the inspection process per visit, while ensuring that the data collected is accurate, secure, and properly stored.

Outcome

- Enable the citizens to be responsive and responsible in case of these accidents
- Improve the decision-making cycle and response-time of authorities
- Improve the overall communication of the safety instructions to the citizens
- Enable prediction of high-risk areas and mitigating risk to human and animal life
- Enables citizens to report, update bushfires or crime reports in a timely manner
- Reduces the delay in communication during emergencies
- Gives a map view of nearby bushfires
- Improves rescue response time of authorities through chatbot services
- Alerts authorities with insights or projections for future events

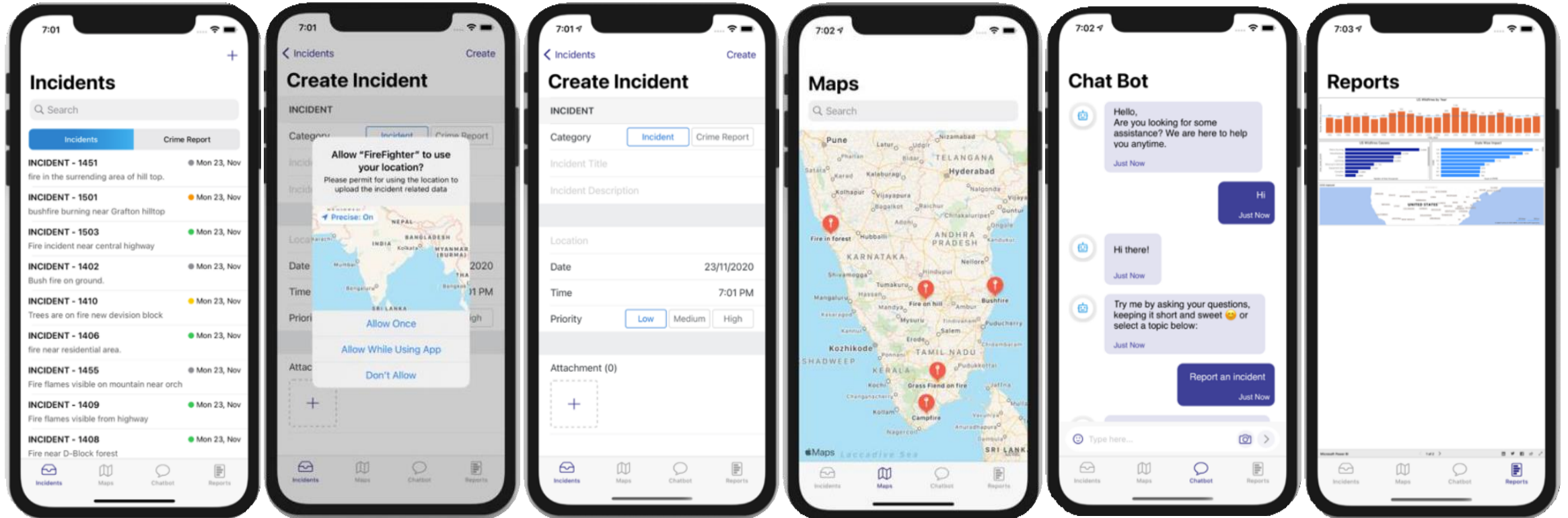


Business Impact

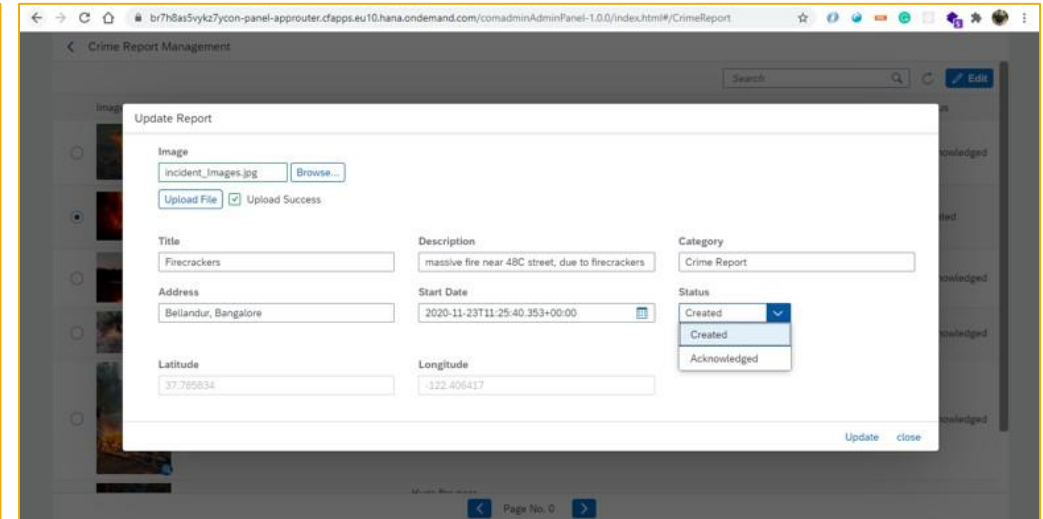
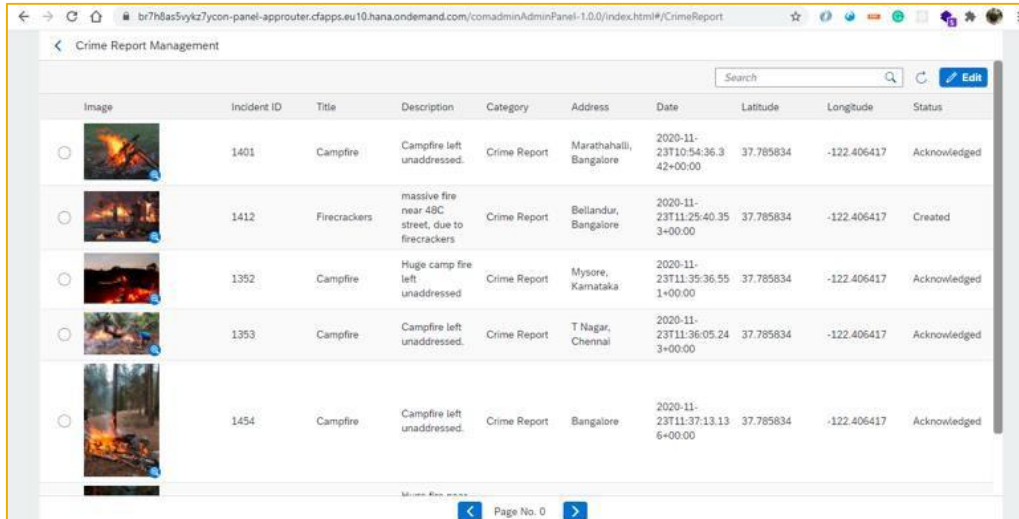
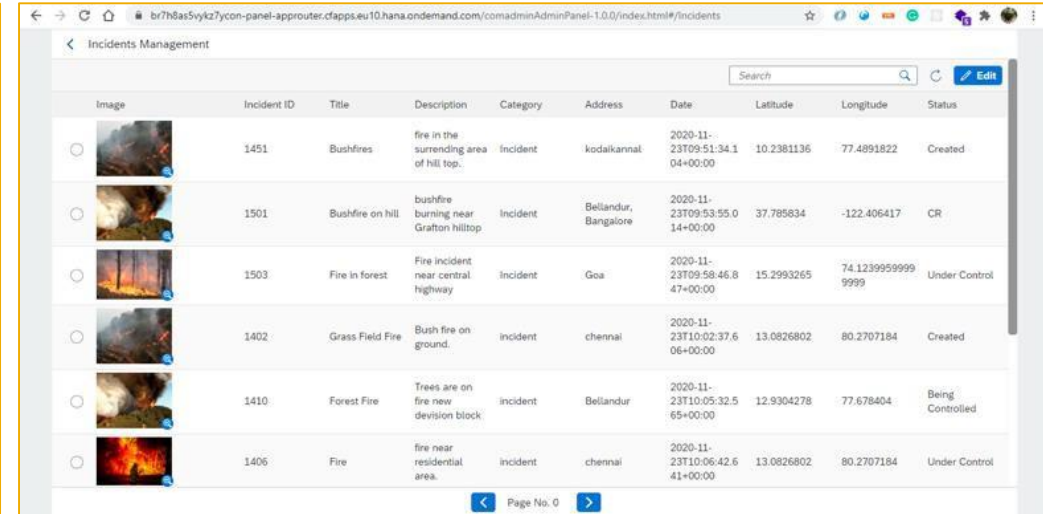
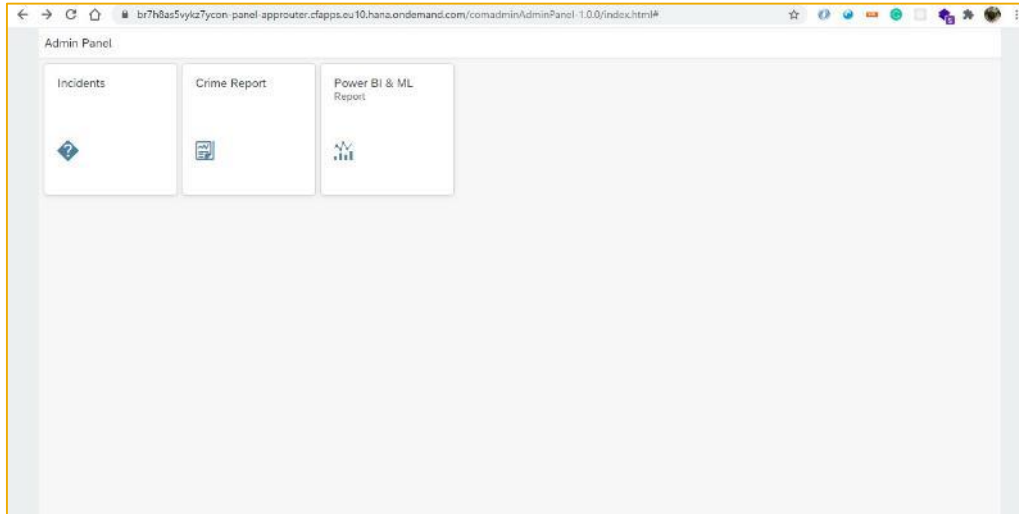
92.3% Success rate on prediction

15 Years Data processed to perform ML algorithms

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Fire Fighter App. - Architecture

