

MEDICINE FLUID LEVEL INDICATOR USING I.O.T SYSTEM



PROJECT BACKGROUND

Medicine Fluid Level Indicator Using IOT System is a system that notify user's of the fluid level inside the IV Drip bag over a network. IV Drip is a common procedure that taking place in any private / government hospital and veterinary clinics despite the risk of air-embolism when misconducted. There will be 32% of fatality rate and side effects would scoring from low blood pressure, difficulty of breathing and stroke.

PROBLEM STATEMENT

Air-embolism during IV Drip procedure
 "Infused air may produces tissue necrosis if it reaches a vulnerable end organ such as the heart or brain."
 (Wilkins,2012)

AWARDS AND RECOGNITION:

- Silver Award in Inventions De Geneva 2022
- Gold Medal in Regional Innovation Showcase on Team Excellence 2021 (RiStEx)
- Top 19 Group in Annual Productivity and Innovation Showcase 2021 (ArISE)
- Third Place in Malaysia Technology Expo 2021 (MTE)
- Gold Award in International Invention, Innovative and Creative 2020 (InIIC)

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INSTITUTION

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NOVELTY

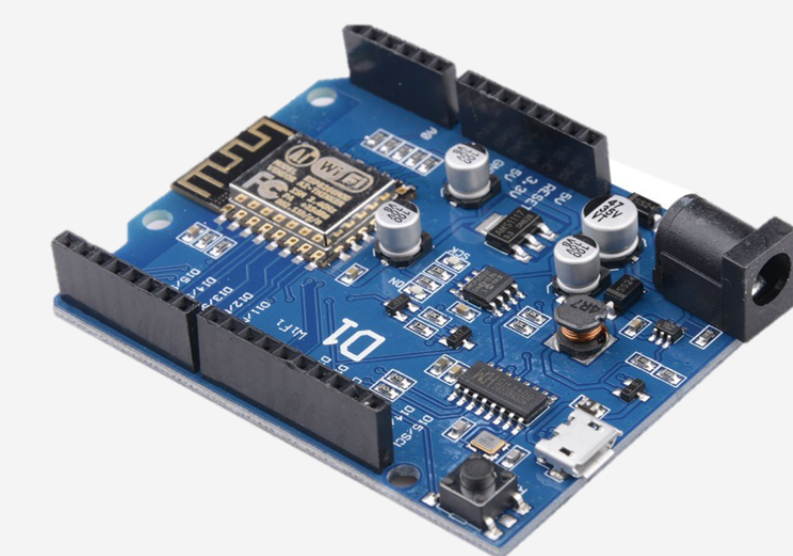
This system uses two non-contactless sensors to detect the fluid level and notify user's phone through BLYNK Apps.

Device	Alarm	Display	Water Level	IOT
IVSMART	✓	✓	✓	✓
DripAssist	✓	✓	✓	
IOT Based Drip Infusion Monitoring System	✓		✓	✓

Input: Two non-contactless sensors



Controller: WIFI Module



Output: BLYNK Apps / User's Phone



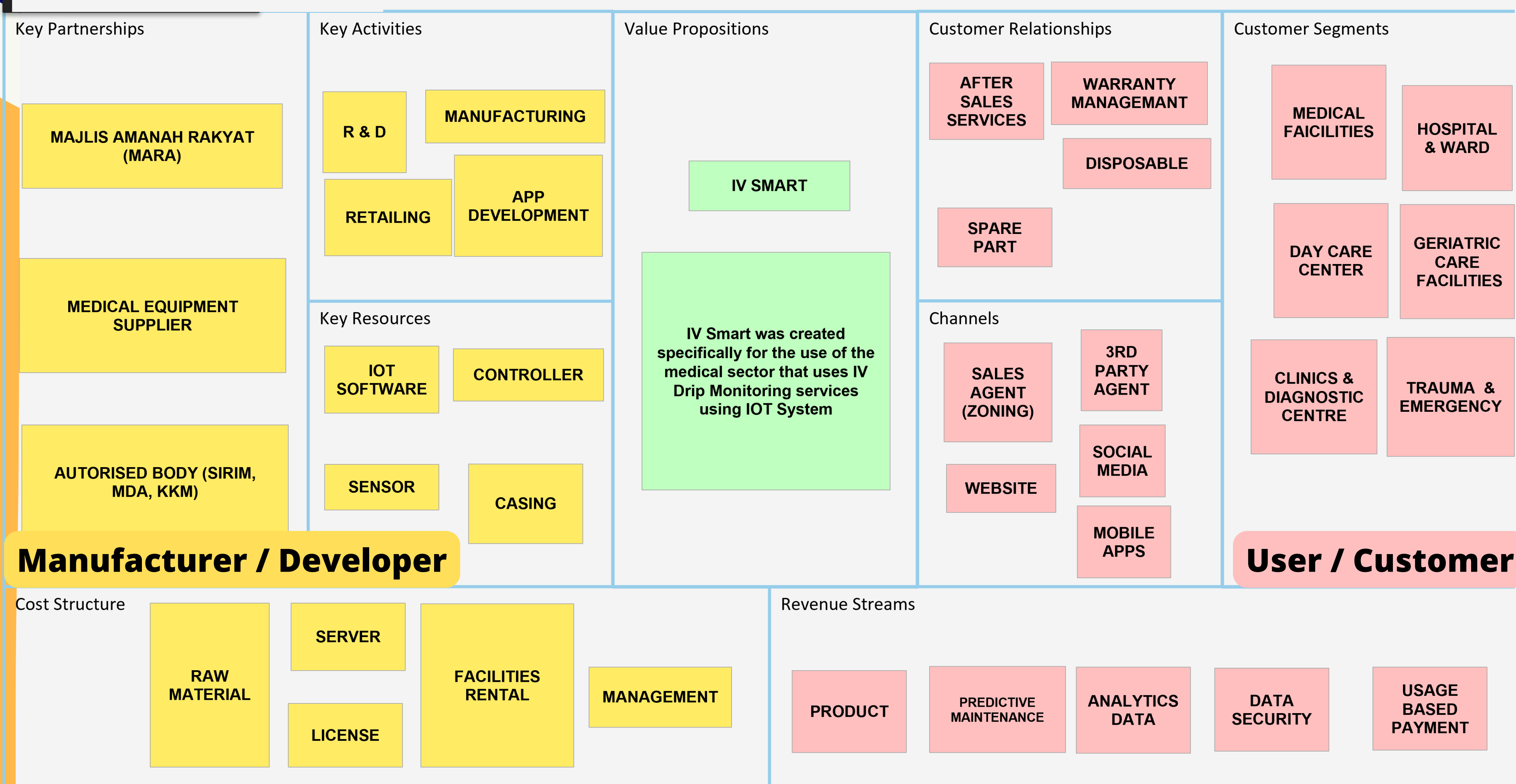
COMMERCIALIZATION

Our target clients would be:

- General Hospital
- Private Hospital
- Veterinary Clinics



BUSSINESS MODEL CANVAS



PATENT REGISTRATION

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BENEFIT TO COMMUNITY

