



CONTAINMENT ZONE ALERTING APPLICATION

LITERATURE SURVEY

TEAM DETAILS :

▶ **TEAM LEADER :** MANIKANDAN.P

▶ **MEMBERS** : ROJA.M
PARTHIBAN.S
SABARI.M

ABOUT – PROJECT :

- ▶ **THIS APPLICATION IS INTENDED TO PROVIDE INFORMATION ABOUT CONTAINMENT ZONES IN A PARTICULAR REGION BY ALERTING PEOPLE, THROUGH CONTINUOUS MONITORING OF AN INDIVIDUAL'S LOCATION.**
- ▶ **KEY BENEFITS OF THE APPLICATION ARE MONITORING PEOPLE'S ACTIVITY AND ALERTING THEM OF THEIR SAFETY MOVEMENTS.**

ABOUT – PROJECT :

- ▶ **THE PRIMARY PURPOSE OF THE APP IS TO ENABLE HEALTH SERVICES TO IMPROVE THE SPEED AND EFFECTIVENESS OF CONTACT TRACING AND TO MAP AND PREDICT THE SPREAD OF PARTICULAR DISEASE.**
- ▶ **THIS TRACKER APP OFFERS REAL TIME , DEATAILED,INTERACTIVE VISUALIZATIONS THAT HAVE THE POTENTIAL TO SHAPE DECISION MAKING AND INFORM ABOUT PANDEMIC SITUATIONS TO PEOPLE'S.**

ABOUT – PROJECT :

- ▶ **THE PROJECT AIMS AT BUILDING AN APPLICATION THAT PROVIDES INFORMATION ABOUT THE CONTAINMENT ZONES OF A PARTICULAR REGION BY CONTINUOUSLY MONITORING AN INDIVIDUAL'S LOCATION.**
- ▶ **LOCATION OF THE INDIVIDUAL MUST BE STORED IN THE DATABASE. ALERTS ARE SENT USING THE NOTIFICATION SERVICE.**

LITERATURE SURVEY :

TITLE	DETAILS	FLOW	TOOLS	LINKS
TRACE TOGETHER APP	TRACE TOGETHER IS A DIGITAL SYSTEM IMPLEMENTE D BY THE GOVERNMENT OF SINGAPORE IN RESPONSE TO THE COVID – 19 PANDEMIC	<ul style="list-style-type: none">• COLLECTING &REPRESENT ING GPS POINTS.• BLUE TRACE• ASSESSING RISK & NOTIFYING USERS	GPS BLUETOOTH LOCATION API GATEWAY CLOUD SERVER	https://trace together.zen desk.com/hc /en-sg/

LITERATURE SURVEY :

TITLE	DETAILS	TECH	TOOLS	LINKS
CONTACT TRACING MOBILE APPS FOR COVID 19	THIS PAPER IS ABOUT THE MOBILE PHONE APP THAT IS DESIGNED TO ASSIST HEALTH OFFICIALS IN TRACKING & MONITORING DOWN EXPOSURE AFTER AN INFECTED INDIVIDUAL IS IDENTIFIED.	<ul style="list-style-type: none">➤ CLOUD COMPUTING➤ DATA ANALYTICS➤ MACHINE LEARNING	<ul style="list-style-type: none">❖ FLASK❖ HTML❖ DOCKER❖ PYTHON❖ API GATEWAY	https://arxiv.org/abs/2003.11511

LITERATURE SURVEY :

TITLE	DETAILS	FLOW	TOOLS	LINKS
ASSESSING DISEASE EXPOSURE RISK WITH LOCATION DATA. - MAR 2020	IMPLEMENTING DIGITAL CONTACT TRACING SOLUTIONS TO STEM THE SPREAD OF INFECTIONS DISEASE LIKE COVID 19	<ul style="list-style-type: none">• COLLECTING & REPRESENT ING GPS POINTS.• DETECTING POINTS OF CONTACT USING PSI.• ASSESSING RISK & NOTIFYING USERS.	<ul style="list-style-type: none">• GPS PRIVATE SET INTERSECTION <ul style="list-style-type: none">• BLUETOOTH• DATA ANALYTIC MECHANISMS	//arxiv.org/pdf/2003.14412.pdf

LITERATURE SURVEY :

TITLE	DETAILS	SECTION	TOOLS	LINKS
AAROGYA SETU APP	IT IS A COVID – 19 TRACKING APP THAT USES GPS AND BLUETOOTH FEATURES OF SMART PHONES TO TRACK INFECTION.	USER STATUS SELF ASSESS UPDATES CONTAINMEN T ZONES	OPEN API API GATEWAY AWS LAMBDA AWS CLOUD BLUETOOTH GPS	https://www. aarogyasetu .gov.in/

CONTACT TRACING APPS :

➤ INDIA:

AAROGYA SETU
TRACY

➤ USA :

CoEpi
COVID WATCH
COVID SAFE PATHS

➤ SINGAPORE :

TRACE TOGETHER

➤ SOUTH KOREA :

CORONO 100m

➤ CHINA:

ALIPAY HEALTH CODE
WECHAT

➤ UK :

COVID SYMPTOM TRACKER

➤ FRANCE :

STOP COIVD

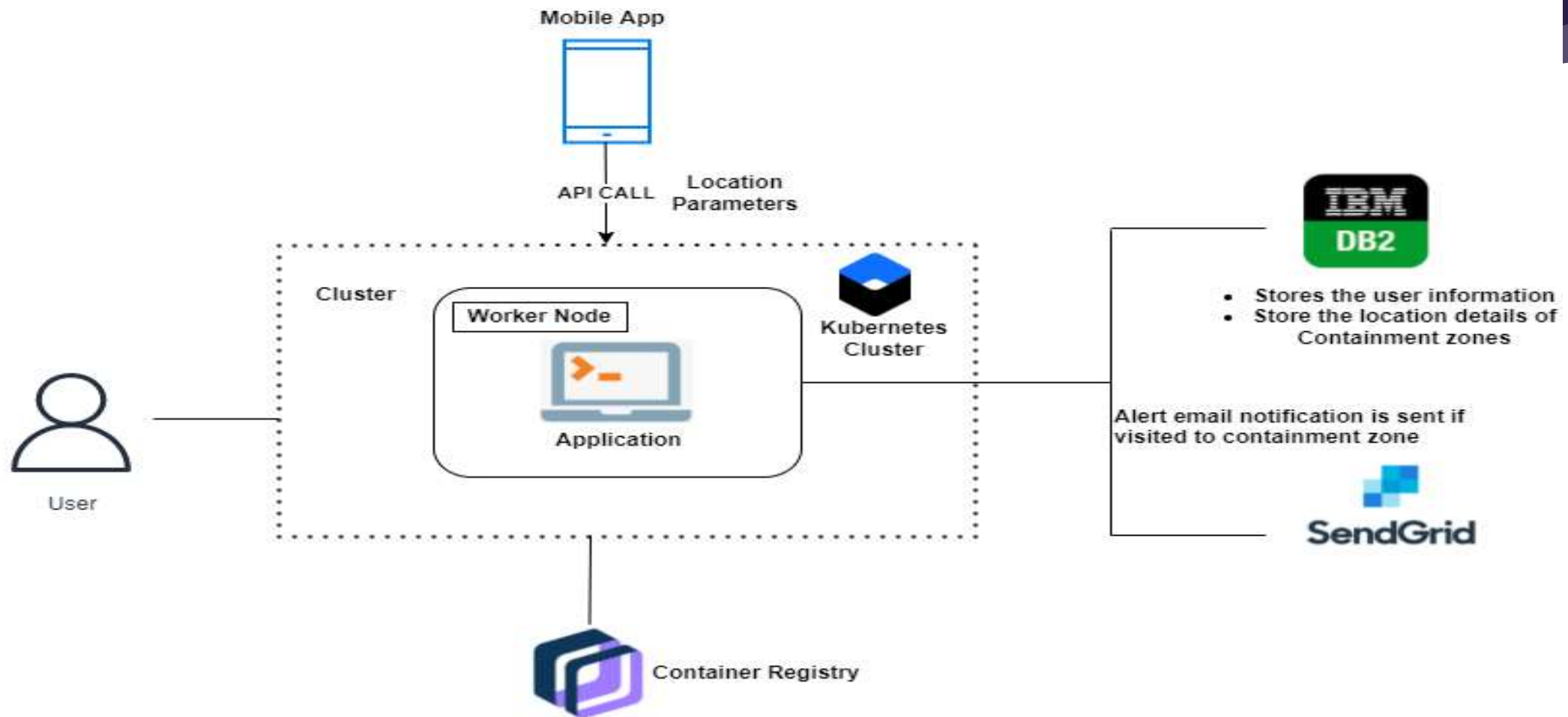
➤ POLAND :

PROTEGO

➤ ICELAND :

RANKING C-19

TECHNICAL ARCHITECTURE :



THANK

YOU