

IOT BASED DUST ALERTING AND SMARTBIN SYSTEM FOR ASTHMA PATIENT



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INTRODUCTION

- Invent an idea to develop an Internet of Thing (IoT) Based Dust Alerting And Smartbin System For Asthma Patients.
- The kit detects the dust and measure the rubbish level in asthma patient ward and then send the notification to the cleaner of the ward to clean.

OBJECTIVE

- To study limitation of IOT based dust alerting and smartbin system for asthma patient that can be detect the dust particles in asthma patient ward and notify the cleaner
- To develop IOT based dust alerting and smartbin system for asthma patient using Arduino and blynk.
- To evaluate the developed IOT based dust alerting and smartbin system for asthma patient.

PROBLEM STATEMENT

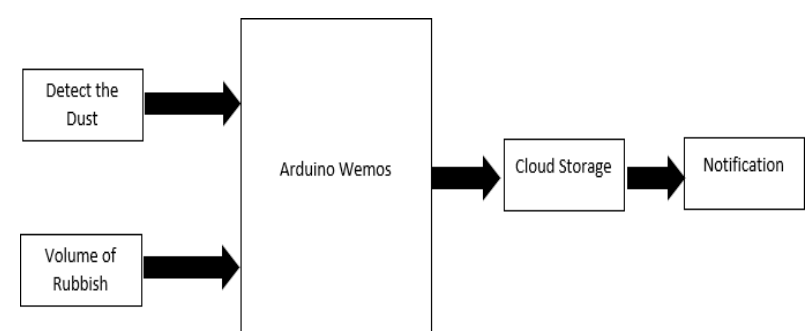
- Air quality may put the patient into more severe level of unhealthy and difficulty of breathing
- The cleaner must get the early notification to clean. The low air quality effects human health and if the dustbin is full, it may cause some bad smell to the affected patient at the hospital.

SCOPE

- This system must be connected to the internet to get the notification to the mobile application.
- The cleaner may collect rubbish from the dustbin after getting the notification and able to vacuum the ward.
- This system may use in Android mobile application only.
- This system is specifically will invent for asthma patient due to improve the air quality level

METHODOLOGY

- Block diagram



CONCLUSION

- This concept inspires from the asthma patient survivor. The system will detect the air impurities quality and the measure the level of the rubbish into the smartbin, send the notification through the email.
- Email is more secure and formal at the workplace to give an alert message to the cleaner.