

Residential Air Quality Improvement System

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Wintec WAIKATO INSTITUTE OF TECHNOLOGY

Project Motivation

Our smallest citizens

Children's Commissioner Russell Wills explains that the poor really are poorer now – and whoever forms the next Government will need to set policies to help stop the damage to our under-fives.



Print Crant

26th September, 2014 Deave a Comment



"Crowded conditions mean illnesses spread easily. It only takes one kid to bring a cold or school sores home. Adults and older kids get a cold, but the baby gets bronchiolitis or pneumonia and ends up in hospital"

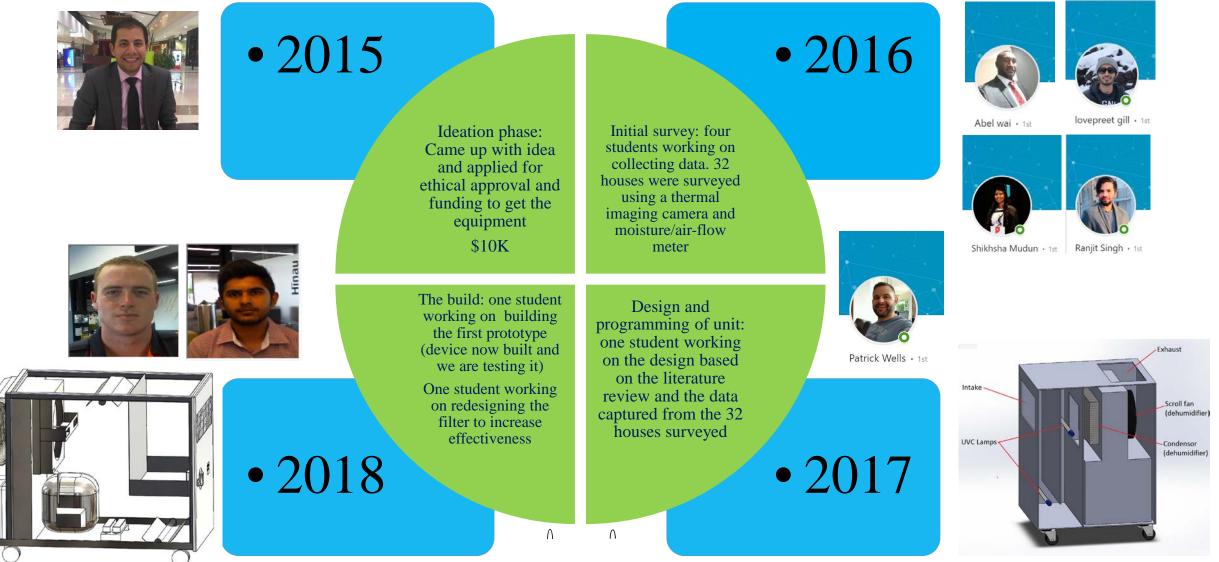
"Very commonly families all sleep in the living room because they can only afford to heat one room."

- Dr Russell Wills, Children's Commissioner



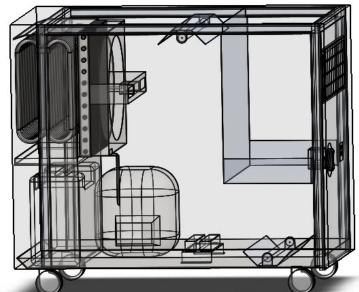
Four-Year Project





CFD Simulation







Iteration = 155





LG.23 far wall after 8 days

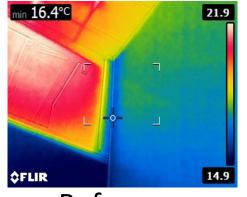


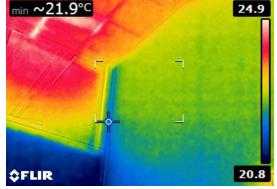


Before

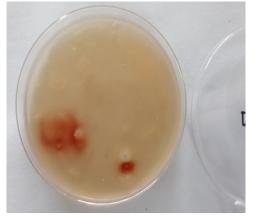
After

Outside facing wall, 3h 20m of use





Swab from collected water after 6 days

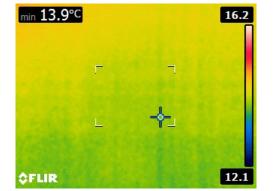


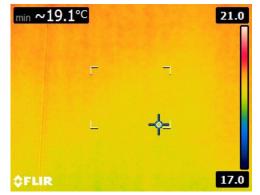


Without UV lights

With UV lights on

Lower outside facing wall, 3h 20m of use





Before



mohammad.al-rawi@wintec.ac.nz

Before

After

5



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Quiz

Abel wai • 1st



Ranjit Singh • 1st



lovepreet gill • 1st



Patrick Wells • 1st





Shikhsha Mudun • 1st



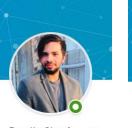
Quiz Name each flag



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Abel wai • 1st



Ranjit Singh • 1st lovepreet gill • 1st





Patrick Wells • 1st







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Shikhsha Mudun • 1st



