



## NEEMON Air Purifier and Cooler

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**Abstract**—It is a well-known fact that the world is getting hotter. Temperatures around the globe have been ascending ever since the start of Industrial Revolution. The increase in temperature has been impacted our day to day routine very much. Since the invention of the air conditioner, we have been able to control the weather inside our home. Air conditioners can truthfully be a life saver in helping to battle hot weathers. There's nothing like controlling our climate control system following a difficult day at work, and feeling the cool air at the same time. However, regardless of whether you're a devoted client of your forced air system, or simply divert it on occasionally, it's acceptable to be aware of everything about what your forced air system might be doing to your wellbeing not to mention the amount of money needed to invest to own one. Hence the aim of this experiment is to make a homemade air purifier and cooler so that we would feel comfortable at the same time to opt for healthier and cheaper version of air purifier. By conducting this experiment, we were able to invent a portable homemade air purifier and cooler using neem ice cubes to emit cool and healthy air. This self made air purifier also does not get clogged or dirty like a conventional air conditioner because it only uses neem ice cubes. One does not need least amount of electric source to battle hot weathers. It comes in handy anywhere anytime. It also recyclable. In an ordinary air purifier there is consistently a coolant and an apparatus which gives us cool air, so the function of the coolant is played by the neem ice cube which emits anti- bacterial and cool air while the hardware is played by the fan. This homemade air purifier and cooler does not only saves the nature from pollution but also can be utilised everywhere with a low cost budget.

**Keywords**—*NEEM, ANTI BACTERIA, COOLING*