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## J.S.S One

If I were an inventor and could invent something, I would create a device that would make the environment healthier and cleaner. My innovation would be a self-cleaning vacuum machine that is capable of cleaning the air as well. A vacuum cleaner is a device that uses suction, it evolved from the carpet sweeper. The first manual models using bellows were developed in the 1860s and the first motorized designs appeared at the turn of the 20<sup>th</sup> century, with the first decade being the boom decade.

My innovation would be a self-cleaning modern vacuum machine that is capable of cleaning the air and I would call it the 'Airvac", and it would be made up of light weight and durable materials that are ecofriendly and long lasting. The vacuum would be powered by a lithium-ion battery that could provide hours of continuous use without the need for recharging.

The airvac would have multiple filters that could capture all the harmful particles in the air, including dust, pollen pet dander and other microscopic organisms. The first stage of the machine would be the suction process that would suck in all the dusty air from enclosed spaces. The air would pass through two stages of filters, the first being the prefilter that would sift out larger particles like pet hair, and the second being a HEPA filter that would capture the smaller and more dangerous ones. In addition to its impressive air cleaning capabilities, the airvac would come in a compressible way that can be expanded to reach even the highest floor spaces that a regular vacuum cleaner cannot reach. It would also have a detachable water tank that can be used to clean floors and carpets.

The first airvac would be a wonderful addition to households with pets, allergies and respiratory concerns. Better yet, it would be used in all kinds of indoor spaces with a lot of dust like garages and workshops. With this invention, air pollution would become a thing of the past and people everywhere would breathe clean air and live healthier lives.

In conclusion, my invention, the airvac, would be a game changer in the world of indoor quality air. It is a robust and innovative solution that would provide cleaner and healthier living environments for people from all walks of life. I dare to say it would be one of the best things that could ever happen to humanity.

Thank you