

## The UCOM Stick

Stray dog menaces, all over the state continues to increase each day with an escalation in the number of tragic news about people mauled to death. As the number of stray dog attacks increases day by day, this nuisance is making life hard for locals as well as the pedestrians. Infusory Designs, a college Startup company by students, found an effective solution to this menace- The UCOM Stick. UCOM - Your Ultimate Companion stick, is a simple, extendable strong pipe-like stick made of stainless steel with different functionalities used to fight against the increasing dog menace.

"When we heard news of people getting killed by these stray dogs, we felt it was a need to find an effective solution to this huge problem. The UCOM Stick is an extremely useful safety measure to the humans keeping the stray dogs away."

The stick provides a variety of functionalities which scares the dog away and does not involve killing or harming the stray dogs, thus preventing unnecessary controversies. Dogs fear loud noises. Thus, here we created a similar mini mechanism that can scare the dogs away but in an extremely harmless way. A sparking mechanism built at the front of the stick creates a shock that persists on the body for few seconds, scaring the dog away, giving the defender time to react.

During the development of the product, we not only considered the safety against the attacking dogs but also the many precautions we need to take for the safety of oneself. The spark producing end is attached with a cap i.e. a cap is attached to the extendable tweezers. For using them, The cap is pulled upwards expanding the tweezers and after the use, they are closed, pushing the tweezers downwards, thus avoiding any unnecessary direct contact with them. The spark produced is completely harmless for both humans as well as animals. The only aim for this mechanism is to scare the dogs away and keeping them away at an effective range. The shock produced through the spark persist for not more than a second, yet is completely harmless to our health. This has been physically tested and proven.

A bright torch is also attached at the same end of that of the spark. The use of torch along with the stick makes it of very effective use during the night. This saves our time of switching on the flashlights we have in our Smartphones. The use of these functionalities are a discomfort for the dogs and hence making ourselves safe from any attack. The stick, mainly used for protection against stray dog attacks, can be carried around in our handbags due to its lightweight, thus making it abundantly useful for women (mainly working women) who work or travel in the night. This makes an extensively helpful safety measure and a key to self-defence from all the crimes that we hear today.

The sturdiness of this UCOM stick and the choice of the materials used make it a reliable protector and a guide. Infusory Designs is a campus Startup incubated in Startup Bootcamp of St. Josephs College Of Engineering and Technology, Palai, and Technology Business Incubator of Government Engineering College Thrissur. Thomson Tom, Shyam Pradeep, Jobin P Thomas and Fasil K.V were the minds behind this project. The startup aims at conducting high-tech workshops on the latest technological advancements like Virtual Reality, 3D Printing and much more. We also design highly user effective products that aim at contributing extremely useful and efficient products that can be used in our day-to-day lives and otherwise.

