

Saatvik Karthikeyan

Inventor/ High School Junior

Saatvik is a young inventor who has a passion to solve real life problems. His keen observation and productive dreaming skills has position him to excel in his pursuit to innovation that has already bearing fruits with two patent filings and many other concepts in the making



CONTEMPORARY DEVICE FOR DUM COOKING METHOD

Invention published in patent journal 2024

The invention relates to a contemporary device for Dum cooking method comprising a bottom pot, a stirrer and a tightly fitting lid containing heating means using gas, steam, electrical and other contemporary means, capable of providing different amount of heat at bottom pot and lid at different timings, capable of automation preferably through Arduino, without building pressure inside the



IoT AND SENSOR BASED APPARATUS FOR SKIN CLEANSING OR MASSAGING HUMAN DORSUM

Invention published in patent journal 2025

The present invention provides a device for hands free scrubbing or massaging the dorsum/back side of a human using iot and sensors for auto-detection of the presence of humans and activation of auto height correction, motion and rotation of the plurality of brushes, dispensing of cleaning fluids or medicated fluids, auto-detection and warning for filling the cleaning fluids or medicated fluids, pressure setting for the dispensing fluids, and dry the dorsum. The device is also designed to self-clean itself after each work to maintain hygiene. The brushes of the device are designed in a manner that it is abrasive enough to exfoliate or massage yet not excessively abrasive or harsh on the skin, which is removably attachable accessory that can be disposed. The device is not energy intensive and designed with safety and energy saving features.

Other Inventions and Models

- Bluetooth-controlled robots, voice-controlled robots, and line follower robots.
- Build a device to protect the vehicles from rodents



DATE OF BIRTH: 18/05/2009

CONTACT & FOLLOW ME

• phone number: +91 9487026135

• email: saatvikarthik@gmail.com

Facebook:

<https://www.facebook.com/profile.php?id=61577789304088>

Instagram:

https://www.instagram.com/invites/contact/?igsh=1u6jku7zde3k1&utm_content=x21n7ud

YouTube:

<https://youtube.com/@karthikeyan-18m?si=Kt8vzaPLxHkq5ucZ>

X:

<https://x.com/Karthikeya33748?t=EMHZbpbhSEmJtDtGZ638gQ&s=08>

SKILLS

- Critical Thinking & Problem-Solving
- Creativity & Innovation
- Attention to Detail
- Leadership & Teamwork
- IoT & Arduino Programming

EDUCATION

Amalorpavam Higher Secondary School

Currently a junior (12th standard)

483/500 in 10th grade

568/600 in 11th grade

Pondicherry, India

CERTIFICATION

- Certified in Robotics (3 levels) – SP Robotics
- Certified in IoT, Arduino Programming, and App Development – Skyfi Labs
- Certified in Aerodynamics & Drone Technology – Exor Robotics & You Can Fly
- Completed British Council Lower Secondary Class
- Completed Abacus Mental Arithmetic Training Program (Grade I)
- Completed Vedic Mathematics Course

Awards

- Won blue, green and red caps at Robo Cap League in 2023 and 2024
- secured 177 state rank in Science Olympiad in 8th std and secured 176 state rank in Mathematics Olympiad in 8th std
- secured 143 state rank in Science Olympiad in 9th std and secured 125 state rank in Mathematics Olympiad in 9th std
- secured 93 state rank in Science Olympiad in 10th std
- won 2nd place in science fair conduct by SMVEC