

INSTITUTION'S INNOVATION COUNCIL
MOE'S INNOVATION CELL

Institute Name:

Saveetha Institute of Medical and Technical Sciences

Title of the Innovation/Prototype:

SMART ELECTRICAL CUP HEATER AND COOLER

Team Lead Name:

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Team Lead Email:

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Team Lead Phone:

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Team Lead Gender:

Male

FY of Development:

2022-23

Developed as part of:

Academic Requirement/Study Project

Innovation Type:

Product

TRL LEVEL:

9

MRL Level:

MRL 9: Low rate production demonstrated. Capability in place to begin Full Rate Production.

IRL Level:

IRL 9: Full Commercial Development – A full time process engineering staff continuously verifies that operations are meeting cost, yield and productivity targets.

Theme:

ICT, cyber-physical systems, Blockchain, Cognitive computing, Cloud computing, AI & ML.,

Define the problem and its relevance to today's market / society / industry need:

MOST OF THE TRAVELLERS AND OLD AGES PEOPLES SUFFERS TO BODY PAIN. IN ORDER TO STOP THESE WE CREATED A PRODUCT FOR DRINKING A WATER OR ANYTHING COOL OR HOT WITHIN FEW SECONDS.

Describe the Solution / Proposed / Developed:

OUR PRODUCT IS CREATED FOR DRINKING A WATER OR ANYTHING COOL OR HOT WITHIN FEW SECONDS.

Explain the uniqueness and distinctive features of the (product / process / service) solution:

OUR PRODUCT IS PORTABLE,COST EFFECTIENT AND OCCUPIES LESS SPACE. WE CAN ABLE TO HEAT OR COOL ANY LIQUID WITHIN FEW SECONDS AT A TIME.

How your proposed / developed (product / process / service) solution is different from similar kind of product by the competitors if any:

IN MARKET THIS PRODUCT IS STARTS AROUND PRICE OF 8K.BUT OUR PRODUCT IS 3K.BOTH PRODUCTS HAVE SAME SPECS AND QUALITY.

Is there any IP or Patentable Component associated with the Solution?:

No

Has the Solution Received any Innovation Grant/Seefund Support?:

No

Are there any Recognitions (National/International) Obtained by the Solution?:

No

***Is the Solution Commercialized either through Technology Transfer or Enterprise Development/Startup?:**

No

Had the Solution Received any Pre-Incubation/Incubation Support?:

No

Video URL:

https://drive.google.com/file/d/1aW7TDxm3wzcbDvUX2_yXlE4y9Ru8lb-D/view?usp=sharing

Innovation Photograph:

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