

Smart Water Heater Summary

A smart water heater is a type of water heater that uses advanced technology to optimize its performance and increase energy efficiency. These water heaters typically have built-in sensors, programmable controls, and connectivity features that allow them to be monitored and controlled remotely using a smartphone or other internet-connected device.

The smart water heater uses artificial intelligence (AI) can provide even greater energy efficiency and customization options. With AI, the water heater can learn your usage patterns and adjust its operation accordingly to minimize energy waste.

For example, the AI system can analyse your daily routines, such as when you typically take a shower or use hot water for cooking, and preheat the water accordingly to ensure that it's available when you need it without wasting energy keeping the water hot all the time.

AI can also help the water heater adapt to changes in your routine, such as when you go on vacation or when guests come to stay, to ensure that it continues to operate efficiently without any unnecessary energy use.

Another potential benefit of a smart water heater with AI is that it can connect with other smart home devices, such as thermostats and lighting systems, to create a more integrated and energy-efficient home environment. For example, the AI system can adjust the temperature of the water heater based on the temperature of the room or time of day to optimize energy use.

Overall, a smart water heater that uses AI has the potential to provide even greater energy savings and customization options than a standard smart water heater, making it an excellent investment for homeowners who are looking to optimize their energy use and reduce their carbon footprint.

The Smart Water Heater, received a grant of 1 lakh rupees from Kerala StartUp Mission(KSUM). Faculty Mentors, Dr Sampath Kumar V and Rahul Manohar O

Student: Neha Raphy of S8 ECE (2018-22 Batch)

Date :16.05.2022



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DM 351421

**AGREEMENT FOR AVAILING IDEA GRANT, SCALEUP
GRANT AND PRODUCTISATION GRANT**

16.05.2022

This agreement made this 16th day of May Two Thousand and Twenty Two at Trivandrum by and between

KERALA STARTUP MISSION (TECHNOPARK TECHNOLOGY BUSINESS INCUBATOR), a society under the Travancore - Cochin Literary Scientific and Charitable Societies Registration Act 12 of 1955, and having its registered office at Technopark Campus, Kariavattom, Trivandrum - 695 581, represented by its Secretary- Registrar, Mr.B.Sreekumaran Nair, hereinafter referred to as "K-SUM" (which expression shall unless excluded by or repugnant to the subject or context be deemed to include its successors and assigns) of the FIRST PART.

AND

Ms. Neha Raphy, D/o. Raphy, 2/80 a, Azhangattil, Karuvannur, Porathissery, Karuvannur- 680711, a student of the Christ College of Engineering, Irinjalakkuda, Thrissur-680125, and working as an innovator with the Innovation and Entrepreneurship Development Centre of the College hereinafter referred to as the "Awardee" of the SECOND PART

B. SREEKUMARAN NAIR

NEHA RAPHY

RAHUL MANOHAR .O

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No 4168
IEDC

CHRIST COLLEGE OF ENGINEERING
IRINJALAKUDA

P.P. ABRAHAM
Acting Vendor No. 13
S/o. P.P. Paulson
Irinjalakuda



13-5-22



കേരളം KERALA

DM 351420

AND

Innovation and Entrepreneurship Development Centre at the College of Christ College of Engineering, Irinjalakkuda, Thrissur-680125, Established with the support of the Kerala Startup Mission represented by Mr. Rahul Manohar O., Professor/Coordinator IEDC, Department of Christ College of Engineering, Irinjalakkuda, Thrissur-680125, hereinafter referred to as the "IEDC" of the THIRD PART

WHEREAS Government of Kerala has a scheme to promote innovative idea by supporting through idea grant upto Rupees two lakh for developing the prototype of the idea, productisation grant upto Rupees five lakh for converting the prototype into a marketable product and scale up grant of Rupees Five lakh for scaling up of the product into a business. The ideas presented in the idea days conducted by the Kerala Startup Mission will be evaluated by the Expert Committee and grants under the scheme will be released according to the recommendation.

AND WHEREAS the Borrower has submitted a proposal to consider the idea "Voice Enabled on Demand Smart" in the idea day for giving them grants under the above mentioned scheme.


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AND WHEREAS the idea submitted by the Awardee was placed idea grant in the idea day held on 3-5 February 2022 and the Expert Committee has recommended for a support of Rs. 1 Lakhs against idea grants.

NOW THEREFORE, in consideration of the promises and mutual covenants hereinafter contained, the parties, hereto, agree as follows:

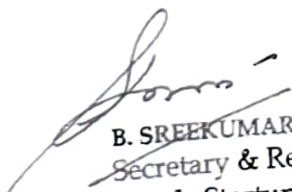
The amount of Rs. 1 Lakh will be released by the KSUM as instalments, subject to satisfaction of other conditions and availability of funds for the purpose. The 1st Instalment as per the eligibility according to the requirements submitted by the awardee is Rs. 50000. The 1st instalment of Rs. 50000 will be released through the IEDC on execution of this agreement.


The IEDC agreed that the amount will be transferred in full to the Awardee immediately on receipt of the same from the KSUM

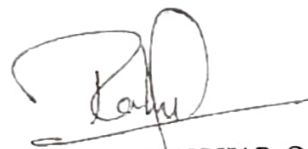
The amount of Rs. 1 Lakh sanctioned under the scheme will be utilised by the Awardee only for the purpose of prototyping/productisation/scaling up the idea and that the entire amount will be utilised for the purpose in accordance with the utilisation plan and milestones submitted by the awardee.

The Awardee will submit the details of utilisation to the IEDC immediately on utilisation along with the details of utilisation and on receipt of the same the IEDC will submit an utilisation certificate certified by the IEDC to KSUM within 3 months from the date of receipt of the amount.

Signed, sealed and delivered on the same day written above.


B. SREEKUMARAN NAIR
Secretary & Registrar
Kerala Startup Mission


NEHA RAPHY
Christ College of
Engineering
Thrissur


RAHUL MANOHAR .O
Asst. Professor
Christ College of
Engineering
Thrissur