



# SS INSTITUTE OF PHARMACY

(A unit of VS Educational & Charitable Trust)

Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.  
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,  
and The Directorate of Medical Education, Chennai.

Date :27.04.2023

**To**

Mr. T. Santhosh Kumar,  
The Managing Director,  
Nanocent Therapeutics Pvt Ltd,  
Puducherry.

**Dear Sir,**

**Sub:** Request for Financial Support and Guidance for R&D Work in Funded Project - Reg

This letter is to bring to your kind notice that we (SS Institute of Pharmacy, Salem) are involving our staff and students in research-oriented activities. In this regard, we kindly request your support and permission to undertake a consultancy-related project titled "*The Magical Cap: Wearable Controlled-Release Device for Herbal Remedies*" in association with your esteemed organization. This collaboration will enrich our knowledge and foster the development of innovative ideas with social relevance.

**Investigator:** Mrs.C. Kalaiselvi, AP / SSIP

Thank you for considering our request.



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KUPPANUR (PO), SANKARI (TK).  
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To

Mrs. C. Kalaiselvi,  
Assistant Professor,  
SS Institute of Pharmacy,  
Sankari, Salem.


Dear Madam,

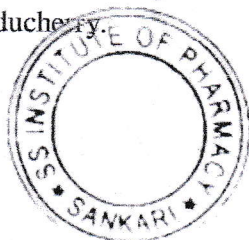
**Subject:** Acceptance and Provision of Financial Assistance for Funded Project – Reg.


We are pleased to inform you that the proposal submitted for the project titled "*The Magical Cap: Wearable Controlled-Release Device for Herbal Remedies*" has been approved by our organization for possible funding of Rs. 1,10,000/- (One lakh ten thousand) as the project appears to be innovative. We kindly request the Principal Investigator to submit the monthly report.

Project title	Principal Investigator	Project duration
Wearable Controlled- Release Device for Herbal Remedies	Mrs.C. Kalaiselvi, SSIP	1 years

Thanking you,

  
Nanoceut Therapeutics Pvt Ltd,  
Puducherry.



  
**PRINCIPAL.**  
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## ABSTRACT

### Wearable Controlled- Release Device for Herbal Remedies

This research explores the development of "The Magical Cap," a wearable device that offers a novel method for delivering herbal remedies through a controlled-release mechanism. The cap is designed to deliver herbal extracts directly through the scalp, using a non-invasive method that eliminates the need for electronics or sensors. The primary innovation lies in the cap's ability to provide a sustained release of phytochemicals over time, ensuring consistent dosing throughout the day. The research focuses on incorporating commonly used herbal extracts known for their therapeutic properties, such as those used in traditional Ayurvedic and herbal medicine practices. The controlled-release system is engineered using biocompatible polymers that gradually release the active compounds in response to body temperature and moisture. This project includes the optimization of the release profile, safety assessments, and stability testing of the cap materials. The therapeutic potential of this device includes benefits such as improved scalp health, enhanced hair growth, and the delivery of anti-inflammatory agents directly to target areas. By bridging traditional herbal remedies with modern delivery systems, this project aims to improve the accessibility and effectiveness of herbal treatments, making them more convenient for everyday use.



  
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