

Carle Illinois
COLLEGE OF MEDICINE

FadeX - Fade Away the Addiction

A Smart Nicotine Tapering Device

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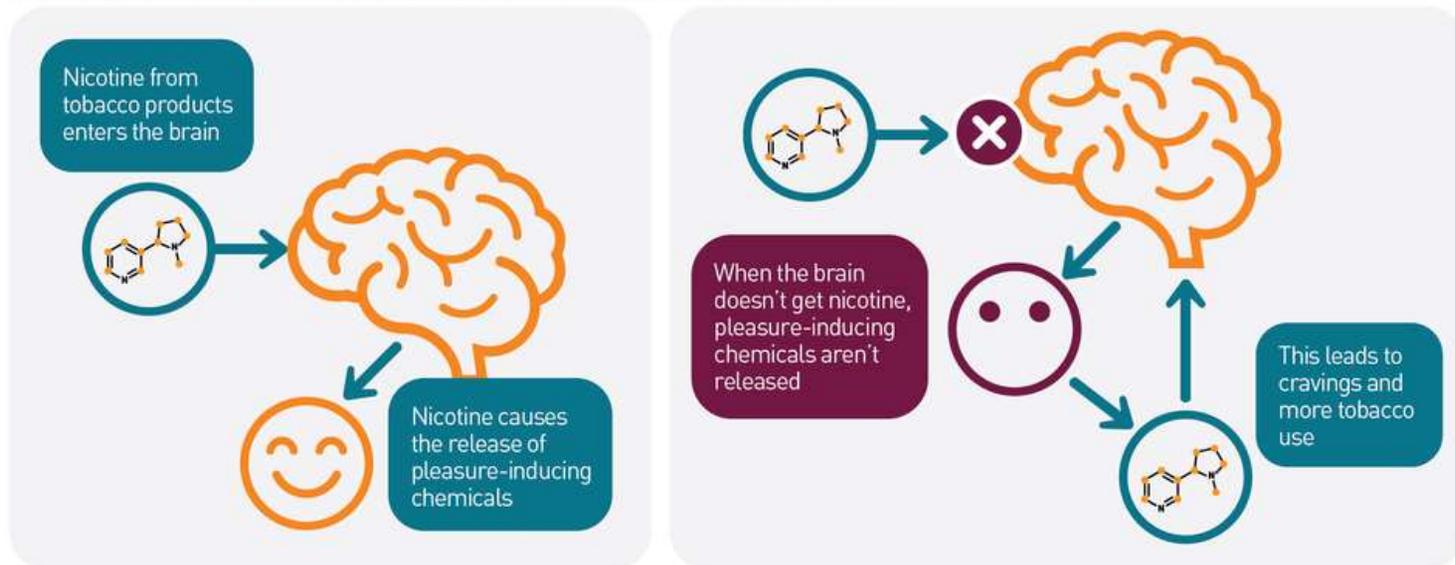
Growing Problem

- As of 2025, over 100 million people use electronic cigarettes globally



Why Nicotine is So Addictive?

The Brain on Nicotine



Background - Current Strategies

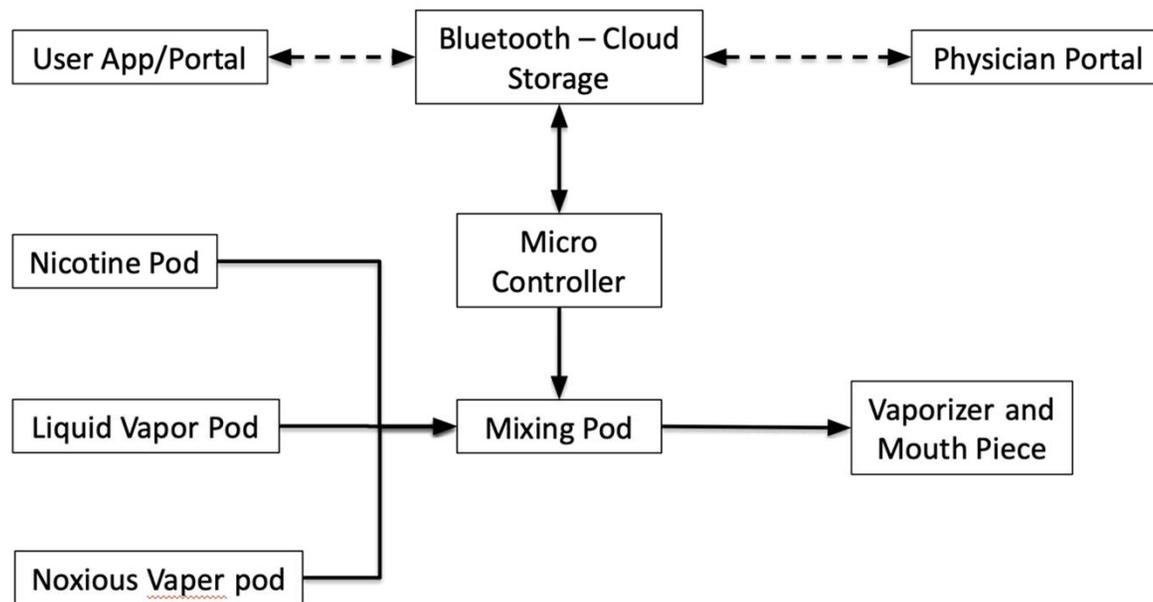


Our Solution - FadeX

- Three-Pod System
 - Nicotine-containing liquid
 - Nicotine-free liquid
 - Taste averse/noxious liquid
- Mobile App Integration
 - Controls the concentration of nicotine in liquid
 - Adjust tapering schedule
 - Identifies triggers and patterns



Objectives / Design Requirements



Impact & Vision



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