

**SVS Institute of Dental Sciences  
Details of Innovations made and future  
expenses required towards eventual  
commercialization**

## Product A Low-cost Digital Occlusal Analysis System for Analysis of Errant Bite Forces and Jaw-Joint Disorders



### Status Testing Protoype

Device Cost: **80,000** (Similar Device Is Priced At Around 8,00,000 INR)

Capital Spent 11,20,000 INR

Manpower: 6

Capital Required for Future Expenses: 21,32,000

VMR  
VERIFIED  
MARKET  
RESEARCH

Global  
Occlusion Devices  
Market

2021-2028

\$ 2.5  
BILLION

\$ 3.7  
BILLION

CAGR  
5.09%

2020

2028

## Product Development of a low-cost rhFGF2 growth factor embedded collagen membrane in the treatment of receding gums



Status **Final Pre-Commercialization Prototype**

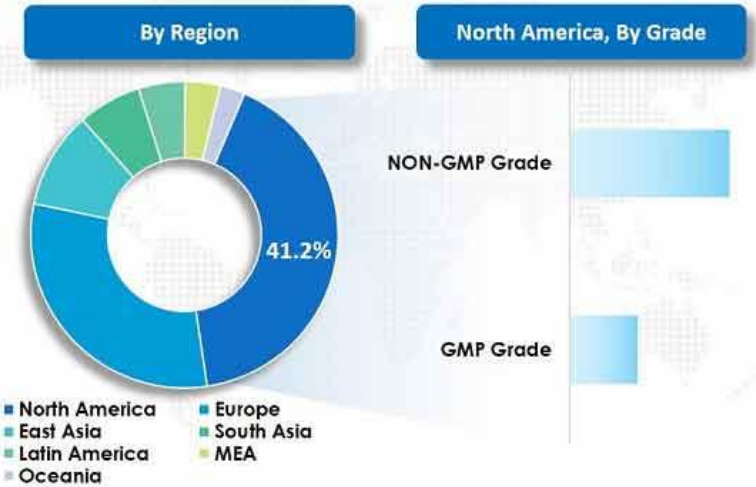
Device Cost: **7,500 (Similar materials are priced above 13,000 INR)**

Capital Spent 49,89,900 INR

Manpower: 9

Capital Required for Future Expenses: 14,54,000

CAGR 7.2% (2021 - 2031)



## Product An automated bone mill to generate particle in three sizes



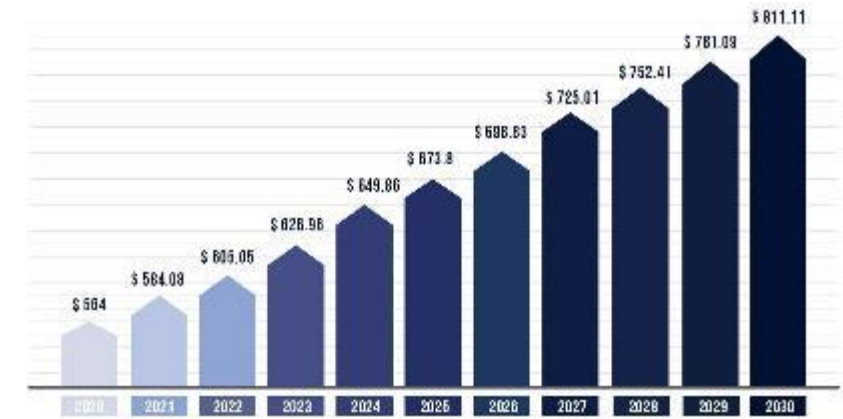
Status **Final Pre-Commercialization Protoype**

Device Cost: **12,200**

Capital Spent 7,89,900 INR

Manpower: 3

Capital Required for Future Expenses: 13,45,000

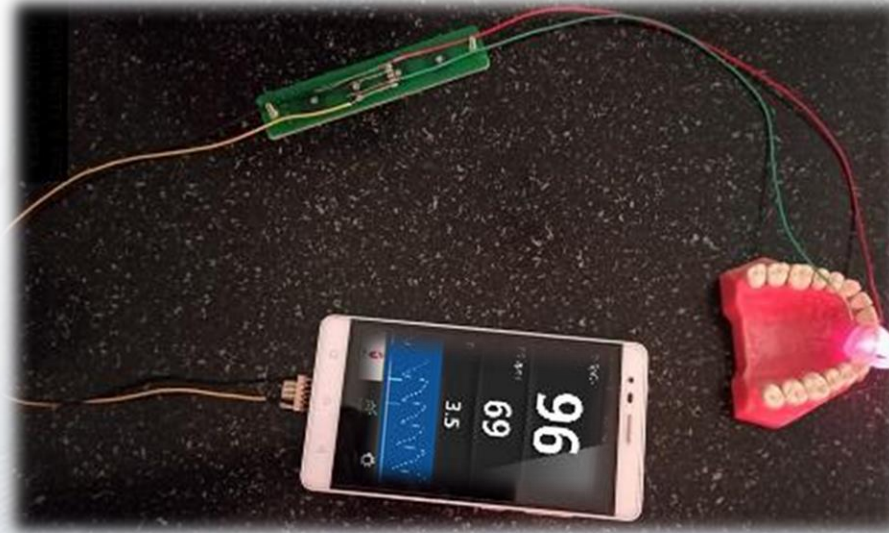
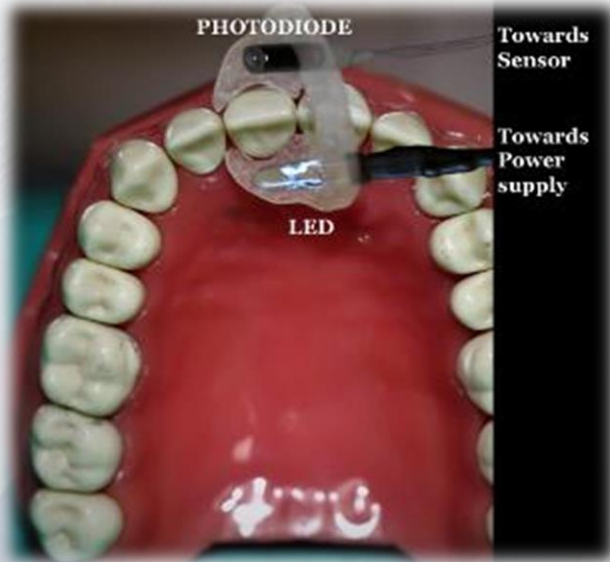


# Product Portable Dental Smart Phone Pulse Oximeter

## GLOBAL PULSE OXIMETER MARKET



- 2018 Market Size \$1,979.0 million
- 2024 Market Size \$3,177.7 million
- Market Growth Rate (2019-2024) 8.3%



### Status Testing Prototype

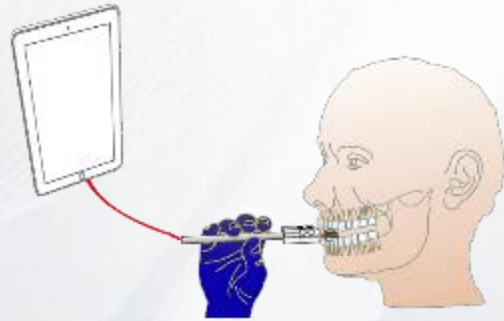
Device Cost: **7,800**

Capital Spent 11,22,900 INR

Manpower: 4

Capital Required for Future Expenses: 5,65,000

# Product **Digital Colorimetric Shade Guide**



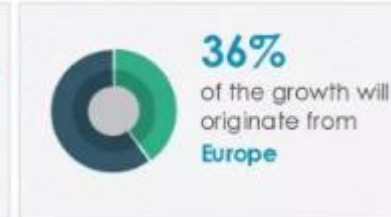
Status **Initial Prototype**

Device Cost: **4,800**

Capital Spent 2,92,900 INR

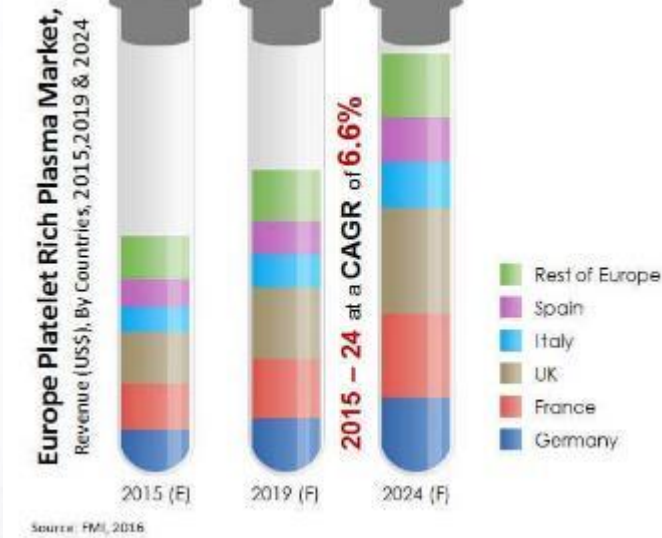
Manpower: 2

Capital Required for Future Expenses: 3,85,000



## Product Low cost L-PRF Device

$$g = 1.12 * r * (\text{RPM}/1000)^2$$



Status **Initial Prototype**

Device Cost: **15,600**

Capital Spent 1,98,00 INR

Manpower: 2

Capital Required for Future Expenses: 12,85,000

**THANK YOU**