Product Idea: Eco-Friendly Bamboo Toothbrush

Business Model (Example):

- **Customer Segment**: Environmentally conscious individuals, urban dwellers, health-focused consumers.
- Value Proposition: 100% biodegradable, stylish bamboo toothbrushes with soft bristles.
- **Revenue Streams**: Direct sales online (Rs. 150 per toothbrush), subscription models (monthly deliveries).
- **Channels**: Company website, Amazon, retail eco-stores.
- **Cost Structure**: Raw materials (bamboo, bristles), manufacturing, packaging, logistics, marketing.
- **Key Partners**: Bamboo suppliers, courier companies, graphic designers.
- **Customer Relationships**: Social media engagement, subscription discounts, feedback collection.
- **Key Activities**: Sourcing, production, packaging, online marketing.

Develop the Financial Equation

- **Selling Price per Unit** = Rs. 150
- **Monthly Fixed Cost** (marketing, staff, rent) = Rs. 5,000
- Variable Cost per Unit (materials + labor) = Rs. 30
- So, **Profit per Unit** = 150 30 = Rs. 120

Now, assume **x** = **number of units sold** Let **y** = **total profit**

Financial Equation:

$$y = 120x - 5000$$

This shows how monthly profit increases as sales go up, after subtracting fixed costs.

If they sell 100 units:

$$y = 120 \times 100 - 5000 = Rs.7,000$$

Product Development Cost Estimation

Stage	Description	Estimated Cost (INR)
1. Research & Planning	Market survey, user interviews, feasibility study	Rs. 8,000
2. Design & Prototyping	Toothbrush sketches, sample production, user testing	Rs. 12,000
3. Manufacturing Setup	Tooling, bamboo purchase, labor training	Rs. 30,000
4. Marketing & Launch	Branding, packaging design, digital ads	Rs. 15,000

Total Product Development Cost = Rs. 65,000

So

Business Model: Eco-friendly toothbrush for green consumers, sold online via a subscription or one-time buy.

Financial Equation:

y = 120x - 5000, where x = sales units/month

Development Cost: Rs. 65,000 before launch