Human Computer Interaction.

TEAM NAME : *Prime calc.* team

CALC NAME : *Professional calc.*
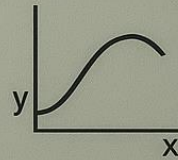
MEMBERS : *Sakamoori Pramod Balaji.*

Prasanth.

Raghav.

Praveen.

PROFESSIONAL CALCULATOR

$$F = \frac{(2 \times m \times a)}{r^2}$$

Warning: Torque exceeds
material limit

1050 Nm

DEC	MENU	· ·	←	→
2nd	π	x,y	y	::
sin	cos	tan	log	+
ln	exp	%	%	−
E	7	8	9	÷
m	4	5	6	−
ANS	1	2	3	ENTER
0	0	·	=	

1. Introduction :

- *"Today, calculators are static tools — they only calculate what we type."*
- *"Professionals need something smarter — a device that adapts, predicts, and reacts to the real world."*
- *"Our invention transforms the calculator into a real-time intelligent assistant."*

2. What Makes It Different :

- *"It doesn't just calculate — it thinks, adapts, and learns."*

3. Core Innovations :

1. **Real-Time Adaptive Intelligence :**

- **Automatically adjusts modes (scientific, financial, or engineering) based on your work.**
- **Learns from your past calculations and predicts your next steps.**

2. **Live Data Integration :**

- **Connects with sensors or online APIs.**

3. Self-Correction & Smart Feedback :

- Detects unsafe or illogical results (like overloads or unrealistic outputs).

- Gives real-time warnings and safe alternatives.

4. Dynamic Interface :

- The layout and buttons change automatically depending on what you're calculating.

- Shows extra tools only when needed — clean and intelligent interface.

5. Sustainability Mode :

- Uses adaptive brightness and energy-saving logic.
- Can run on solar or kinetic charging for field use.

4.Cutting-Edge Innovations :

Innovation	Benefit oko
AI Explain Mode	Understand *why* and *how* you got each answer.
Predictive Input	Speeds up your workflow by suggesting next steps.
Real-Time Graphs	Visualizes functions automatically.
Cloud Memory	Access your formulas anywhere.
Self-Healing Logic	Detects and fixes internal calculation issues.

5. Impact & Vision : you

- "This is not just a calculator — it's a **decision-making companion**."
- "It bridges the gap between **calculation and action**."