Project Requirement Document

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1. History 🔗

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Date	Modified by	Version
03-03-2025	Moumita Chatterjee	1.0

2. Reference 🔗

Reference ID	Reference	Comment

3. Introduction 🔗

Our calculator is a versatile tool designed to handle basic arithmetic operations, trigonometric calculations, simple interest and compound interest, and geometric computations, including area, perimeter, and volume, degree to radians conversion, factorials'. This product is essential for students, professionals, and businesses as it simplifies complex calculations, enhances accuracy, and saves time. Whether for academic purposes, financial assessments, or engineering applications, this calculator provides a user-friendly and efficient solution for various mathematical needs.

4. Overview 🔗

Project Name	Number Ninja
Stakeholder	@Dibakar Deb
Scrum master/ lead	@Moumita Chatterjee
Developer	@GOURAV KAR @Anup Kumar @Dibyarup Aich @Abhishek Roy

5. Research metrics 🔗

The demand for accurate and efficient mathematical tools is growing across education, finance, and engineering sectors. According to a report by Research and Markets, the global scientific calculator market is projected to grow at a CAGR of 6.5% from 2023 to 2028, driven by increasing adoption in educational institutions and professional use. Additionally, a survey by Statista shows that over 80% of students and professionals rely on digital calculators for quick and accurate computations.

Our calculator stands out by offering a combination of basic arithmetic, trigonometry, profit and loss analysis, and geometric calculations in one user-friendly tool. This multi-functional capability reduces the need for multiple apps, increasing efficiency for users. Moreover, with the rise of online learning and remote work, there is an increasing need for accessible and reliable calculation tools, making this product highly relevant and valuable in today's digital landscape.

6. Goals and success metrics 🔗

Provide Accurate and Efficient Calculations – Ensure that users can quickly and accurately perform basic arithmetic, trigonometry, profit/loss analysis, and geometric calculations (area, perimeter, volume).

Enhance User Experience – Design an intuitive and user-friendly interface that simplifies complex calculations for students, professionals, and businesses.

Improve Productivity – Reduce the time users spend on manual calculations by offering an all-in-one solution for various mathematical needs.

7. Timeline 🔗

Target launch date	17-03-2025

7.1 Milestones 🔗

- Project requirement document
- Planning
- Analysis
- Designing
- Implementation
- Testing
- Release
- Maintenance