Project Proposal: Numerology Analysis Software

---

1. Introduction

This document outlines the design, functionality, and implementation plan for a **Numerology Analysis Software**. The application will provide users with detailed numerological insights based on their name and date of birth, supporting the Pythagorean and Chaldean systems of numerology.

---

2. Objectives

- Develop a software system that computes core numerological numbers.
- Provide personal year, month, and day cycles for users.
- Enable name analysis, including vowel and consonant breakdowns.
- Allow generation of personalized numerology reports.
- Ensure an intuitive and user-friendly interface.

---

3. Scope

The software will include:

- Calculation of **Life Path, Expression, Soul Urge, Personality, Birthday, and Maturity numbers**.
- Personal cycles (Year, Month, Day).
- Name breakdown with numerical mapping.
- Compatibility analysis between two individuals.
- PDF report export.

Future expansions will support:

- Multiple languages.
- Non-Latin script handling through transliteration.
- Premium subscription features.

4. Numerology Systems

4.1 Pythagorean

Mapping of alphabets A–Z to numbers 1–9.

4.2 Chaldean

Mapping of alphabets with traditional rules (1–8, sometimes omitting 9).

5. Core Calculations

- **Life Path:** Derived from date of birth.
- **Expression Number:** Based on full name.
- **Soul Urge Number:** Derived from vowels in name.
- **Personality Number:** Derived from consonants in name.
- **Maturity Number:** Combination of Life Path and Expression.
- **Personal Cycles:** Year, month, and day based on DOB and current date.

6. System Design

6.1 Input

- Full name (birth certificate name).
- Current name (optional).
- Date of birth (YYYY-MM-DD).
- System choice: Pythagorean or Chaldean.

6.2 Output

- Computed numerological numbers with reduction paths.
- Letter breakdown with vowel/consonant distinction.
- Personal cycles.
- PDF report option.

7. Technical Architecture

- **Backend:** Python with FastAPI for computation and API.
- **Frontend:** React/Next.js for user interface.
- **Database (optional):** PostgreSQL for storing reports and user data.
- **PDF Generation:** Server-side tools like WeasyPrint.

---

8. Ethics & Compliance

- The software is for **self-reflection and entertainment purposes only**.
- Clear disclaimers will be provided.
- User data privacy and consent will be prioritized (GDPR/DPDP compliance).

---

9. Implementation Plan

Week 1: Core numerology module and testing.

Week 2: API development and basic frontend integration.

Week 3: Personal cycles, letter breakdown, and PDF export.

Week 4: Compatibility analysis, interpretation content, and UI polish.

---

10. Conclusion

This Numerology Analysis Software will combine ancient numerological principles with modern technology to provide users with meaningful insights in a structured, user-friendly way. Its modular design will allow for easy future expansion and customization.