a.) Project Mission Statement:

We aim to transform education with our AI-driven learning platform. It personalizes the learning experience, empowers educators, and ensures data security. The AI Educators want to break free from traditional constraints, offering a dynamic and engaging environment tailored to each learner.

b.) Key Stakeholders:

1. Students: Those benefiting from the platform.
2. Educators/Professors: Customizing the platform for teaching.
3. Educational Institutions: Integrating the platform into their systems.
4. Parents/Guardians: Concerned with the learning environment.
5. AI Developers/Engineers: Responsible for the AI algorithms.
6. Administrators: Overseeing platform integration.
7. Regulatory Bodies: Ensuring compliance.
8. Technology Support Teams: Providing technical support.
9. Curriculum Designers: Aligning the platform with educational goals.

c.) Key Drivers:

1. Personalized Learning: Recognizing the limitations of one-size-fits-all education.
2. Technological Advancements: AI capabilities for tailored learning.
3. Ethical Concerns: Addressing misuse of external AI tools.
4. Data Security: Need for a secure platform.
5. Educational Innovation: Moving beyond traditional teaching methods.

d.) Key Constraints:

1. Budgetary Constraints: Limited resources.
2. Regulatory Compliance: Adhering to data security and privacy regulations.
3. Resistance to Change: Possible pushback from users accustomed to traditional methods.
4. Technological Infrastructure: Compatibility challenges with existing platforms.
5. Training and Adoption: Ensuring effective use of the AI platform.

e.) Key Requirements:

User Requirements:

1. Adaptability: Easy customization for unique teaching or learning styles.
2. Intuitive Interface: User-friendly for educators and students.
3. Feedback Mechanism: Continuous insights into the effectiveness of personalized learning.
4. Accessibility: Usable by users with diverse abilities.
5. Collaboration Features: Support collaborative learning experiences.

Business Requirements:

1. Scalability: Platform accommodates various educational institutions.
2. Partnership Integration: Seamless integration with existing educational tools.
3. Monetization Strategy: Sustainable plan for development and maintenance.

4. Compliance Management: Regular updates for compliance with data security regulations.
5. Marketing and Outreach: Comprehensive strategy for platform promotion.

System Requirements:
1. Interoperability: Compatibility with various devices, operating systems, and browsers.
2. AI Algorithm Accuracy: Regular updates for improved personalization accuracy.
3. Real-time Analytics: Tracking user engagement, learning progress, and system performance.
4. Data Migration: Seamless plan for institutions transitioning to the AI platform.
5. Offline Capability: Features for users with limited internet access.

Security Requirements:
1. Data Encryption: End-to-end encryption for data protection.
2. Identity Verification: Secure mechanisms for user authentication.
3. Access Control: Strict controls for authorized access.
4. Security Audits: Periodic checks for identifying and addressing vulnerabilities.
5. Data Backup and Recovery: Robust mechanisms to prevent data loss.

Quality Requirements:
1. Performance Optimization: Continuous improvement for a seamless learning experience.
2. Scalability Testing: Regular tests for handling increased user loads.
3. Cross-browser Compatibility: Consistent performance across various web browsers.
4. User Support Services: Prompt and effective support for user issues.
5. Update Frequency: Regular updates for new features, improvements, and security patches.