College Virtual Assistant: Project Features Report

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What We Provide You in This Project -

This report lists all features included in the College Virtual Assistant platform.

1. Real - Time Chat Assistant

- Intelligent chatbot with keyword matching
- Instant responses via Socket.io
- Chat history display
- Questions about college timings, exams, library, ID card
- Fallback responses for unrecognized queries
- Real-time chat interface

2. FAQ Management System

- View all FAQs
- Search FAQs by keywords
- FAQ categories (General, Exams, Library, Administration)
- Track how many times each FAQ is asked
- Admin can add new FAQs
- FAQ helpfulness tracking

3. File Management System

- Upload files (PDF, docs, etc.) - max 10MB
- Download files with counter
- File categories (Syllabus, Assignments, Notes, General)
- Search files by name
- File metadata display
- Download count tracking

4. User Authentication & Roles

- Student login system
- Admin login system
- Role-based access control
- User session management
- Secure authentication
- Role-based UI display

5. Admin Panel

- Add new FAQs (question, answer, category)
- Upload files with category selection
- Content management interface

- **Admin-only access**
- **Quick content updates**

6. Analytical Dashboard

- **Total FAQs count**
- **Total files count**
- **Total questions asked**
- **Top 5 most asked questions**
- **Top 5 most downloaded files**
- **Category statistics**
- **Usage analytics**

7. Notification System (Advanced)

- **Real-time notifications**
- **Toast notifications display**
- **New FAQ added notifications**
- **New file uploaded notifications**
- **Auto-dismiss notifications**
- **Notification history**

Conclusion

This report lists all features included in the College Virtual Assistant System Platform. We are committed to delivering these features with quality and on time.

Best regards,

Development Team

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