BHU Admission Website

# 1. Functional Requirements

* The system will provide a GUI for Navigation bar, Banner, Notice, Announcements, Footer, FAQs to create, update and delete.
* The system will provide a GUI interface to enable or disable feature for Navigation bar, Banner, Notice, Announcements, Footer, FAQs.
* The system will provide a GUI to show image gallery section from news portal.
* The system will provide a GUI to view program details based on Degree & Programmes.
* The system will provide a GUI to create, update, delete of How to Apply section for each Degree & Programmes.
* The System will provide feature for bilingual language.
* The application will provide a footer section with contact info, website policies, important links and map location of the admission office.
* The system will provide a GUI for footer category to create, update & delete.

# 2. Non-functional Requirements

* Website must be responsive and mobile-friendly.
* Image size should not exceed 2MB.
* Admin CMS access shall be password protected.
* The application shall support secure deployment over HTTPS.

# 3. Content Types and Their Fields

## Nav Bar

|  |  |  |  |
| --- | --- | --- | --- |
| Sr No. | Attribute | Type | Optional/Mandatory |
| 1. | Title | Text | Mandatory |
| 2. | URL | Text | Mandatory |
| 3. | Order | Number | Mandatory |
| 4. | Attachment | File | Mandatory |
| 5. | Enums | Links | Mandatory |
| 6. | isVisible | Boolean | Mandatory |

|  |  |
| --- | --- |
| Enums | Action |
| Internal | On click, Navigates to a page on the site. |
| External | On click, redirects to an external website. |
| Attachment | Opens or download a PDF/Image file. |

## About Us

|  |  |  |  |
| --- | --- | --- | --- |
| Sr.No. | Attribute | Types | Optional/Mandatory |
| 1. | Content | Rich text | Mandatory |
| 2. | isVisible | Boolean | Mandatory |
| 3. | Members | Dropdown | Optional |

## Announcements

|  |  |  |  |
| --- | --- | --- | --- |
| Sr No. | Attribute | Types | Optional/Mandatory |
| 1. | Title | String | Mandatory |
| 2. | Order | Integer | Mandatory |
| 3. | URL | Text | Optional |
| 4. | isVisible | Boolean | Mandatory |

## Notices

|  |  |  |  |
| --- | --- | --- | --- |
| Sr No. | Attribute | Types | Optional/Mandatory |
| 1. | Title | Text | Mandatory |
| 2. | Start date | Date | Mandatory |
| 3. | End date | Date | Mandatory |
| 4. | Content | Text | Mandatory |
| 5. | Links | Text | Mandatory |
| 6. | isVisible | Boolean | Mandatory |

|  |  |  |  |
| --- | --- | --- | --- |
| Sr No. | Attribute | Type | Optional/Mandatory |
| 1. | Title | Text | Mandatory |
| 2. | URL | String | Mandatory |
| 3. | Order | Integer | Mandatory |
| 4. | Attachment | Img | Mandatory |
| 5. | Enums | Dropdown | Mandatory |
| 6. | isVisible | Boolean | Mandatory |

## Banner Slides

|  |  |  |  |
| --- | --- | --- | --- |
| Sr No. | Attribute | Types | Optional/Mandatory |
| 1. | Title | Text | Mandatory |
| 2. | Description | Text | Optional |
| 3. | Order | Integer | Mandatory |
| 4. | Image | Image | Mandatory |
| 5. | Button title | String | Mandatory |
| 6. | Button URL | String | Mandatory |
| 7. | isActive | Boolean | Mandatory |

## Sidebar

|  |  |  |  |
| --- | --- | --- | --- |
| Sr No. | Attribute | Type | Optional/ Mandatory |
| 1. | Program type | Text | Mandatory |
| 2. | Visible program type | Text | Mandatory |
| 3. | Level | Text | Mandatory |
| 4. | Visible Level | Text | Mandatory |
| 5. | Program Order | Integer | Mandatory |
| 6. | Level Order | Integer | Mandatory |
| 7. | IsVisible | Boolean | Mandatory |
| 8. | Content | Text | Optional |

## FAQs

|  |  |  |  |
| --- | --- | --- | --- |
| Sr No. | Attribute | Types | Optional/Mandatory |
| 1. | Question | String | Mandatory |
| 2. | Answer | Rich Text | Mandatory |
| 3. | isVisible | Boolean | Mandatory |
| 4. | Order | Integer | Mandatory |

## Footer

|  |  |  |  |
| --- | --- | --- | --- |
| Sr No. | Attribute | Types | Optional/Mandatory |
| 1. | Category | Text | Mandatory |
| 2. | Link | Link Object | Mandatory |
| 3. | isVisible | Boolean | Mandatory |
| 4. | Order | Integer | Mandatory |

# 4. User Roles and Permissions

* ADMIN
* Can add, edit, delete and publish content for all sections. (except Department ,Employee and Programme)
* USER
* Can view published content in the portal.
* Can switch language and browse all sections.

**Postgres DB:**

Version: 17+

Disk Size: 1TB

**CMS Server:**

Strapi: v5.13.1

RAM: 8GB

Core: 8 Core

OS: https://docs.strapi.io/dev-docs/deployment

**Frontend Server:**

NodeJS: v22.16.0.

RAM: 8GB

Core: 8 Core

OS: https://nodejs.org/docs/latest/api/

**DNS:**

admission.bhu.ac.in