# BGHS Alumni Website - Notification Requirements

## Overview

This document outlines all possible notifications that should be implemented for the BGHS Alumni website to enhance user engagement, keep the community informed, and improve overall user experience.

## 📧 IMMEDIATE NOTIFICATIONS

### Authentication & Account Management

* **Registration Confirmation**
  + **Trigger**: User successfully completes registration
  + **Content**: Welcome message, account details, next steps
  + **Recipients**: New user
  + **Channel**: Email
* **Email Verification**
  + **Trigger**: User enters email during registration
  + **Content**: OTP code, verification instructions
  + **Recipients**: User
  + **Channel**: Email
* **Phone Verification**
  + **Trigger**: User enters phone number during registration
  + **Content**: OTP code, verification instructions
  + **Recipients**: User
  + **Channel**: SMS
* **Password Reset**
  + **Trigger**: User requests password reset
  + **Content**: OTP code, reset instructions
  + **Recipients**: User
  + **Channel**: Email/SMS
* **Account Approval**
  + **Trigger**: Admin approves new user registration
  + **Content**: Approval confirmation, login instructions
  + **Recipients**: Approved user
  + **Channel**: Email
* **Account Rejection**
  + **Trigger**: Admin rejects user registration
  + **Content**: Rejection reason, re-application instructions
  + **Recipients**: Rejected user
  + **Channel**: Email
* **Profile Update Confirmation**
  + **Trigger**: User updates profile information
  + **Content**: Confirmation of changes made
  + **Recipients**: User
  + **Channel**: Email
* **Password Change Confirmation**
  + **Trigger**: User changes password
  + **Content**: Security confirmation, login instructions
  + **Recipients**: User
  + **Channel**: Email

### Event-Related Notifications

* **Event Registration Confirmation**
  + **Trigger**: User registers for an event
  + **Content**: Event details, date/time, location
  + **Recipients**: Registered user
  + **Channel**: Email
* **Event Registration Cancellation**
  + **Trigger**: User cancels event registration
  + **Content**: Cancellation confirmation, refund information
  + **Recipients**: User
  + **Channel**: Email
* **Event Details Updated**
  + **Trigger**: Admin modifies event details
  + **Content**: Updated event information
  + **Recipients**: All registered users
  + **Channel**: Email
* **Event Cancelled**
  + **Trigger**: Admin cancels an event
  + **Content**: Cancellation notice, refund information
  + **Recipients**: All registered users
  + **Channel**: Email
* **Event Postponed**
  + **Trigger**: Admin postpones an event
  + **Content**: New date/time, reason for postponement
  + **Recipients**: All registered users
  + **Channel**: Email
* **Event Reminder**
  + **Trigger**: 24-48 hours before event
  + **Content**: Event reminder, final details
  + **Recipients**: All registered users
  + **Channel**: Email/SMS
* **Event Starting Soon**
  + **Trigger**: 1-2 hours before event
  + **Content**: Final reminder, last-minute details
  + **Recipients**: All registered users
  + **Channel**: Email/SMS/Push

### Gallery & Content Notifications

* **Photo Upload Confirmation**
  + **Trigger**: User uploads photos to gallery
  + **Content**: Upload confirmation, moderation status
  + **Recipients**: User
  + **Channel**: Email
* **Photo Approved**
  + **Trigger**: Admin approves uploaded photos
  + **Content**: Approval confirmation, gallery link
  + **Recipients**: User
  + **Channel**: Email
* **Photo Rejected**
  + **Trigger**: Admin rejects uploaded photos
  + **Content**: Rejection reason, resubmission guidelines
  + **Recipients**: User
  + **Channel**: Email
* **New Blog Post**
  + **Trigger**: New blog post is published
  + **Content**: Post title, excerpt, link to full article
  + **Recipients**: All users (opt-in)
  + **Channel**: Email
* **Blog Post Featured**
  + **Trigger**: User’s blog post is featured
  + **Content**: Featured post notification, increased visibility
  + **Recipients**: Author
  + **Channel**: Email

### Admin & System Notifications

* **New User Registration**
  + **Trigger**: New user completes registration
  + **Content**: User details, registration summary
  + **Recipients**: Admin users
  + **Channel**: Email
* **User Profile Updates**
  + **Trigger**: Significant profile changes
  + **Content**: Change summary, user details
  + **Recipients**: Admin users
  + **Channel**: Email
* **Event Registration**
  + **Trigger**: User registers for event
  + **Content**: Registration details, user information
  + **Recipients**: Event organizers
  + **Channel**: Email
* **Photo Upload**
  + **Trigger**: New photos uploaded
  + **Content**: Upload details, moderation required
  + **Recipients**: Admin users
  + **Channel**: Email
* **System Maintenance**
  + **Trigger**: Scheduled maintenance
  + **Content**: Maintenance schedule, affected services
  + **Recipients**: All users
  + **Channel**: Email

## ⏰ SCHEDULED/REMINDER NOTIFICATIONS

### Event Reminders

* **Event Registration Opens**
  + **Trigger**: 1 week before registration opens
  + **Content**: Event announcement, registration details
  + **Recipients**: All users (opt-in)
  + **Channel**: Email
* **Early Bird Registration**
  + **Trigger**: 2 weeks before early bird deadline
  + **Content**: Early bird pricing, deadline reminder
  + **Recipients**: All users (opt-in)
  + **Channel**: Email
* **Event Registration Deadline**
  + **Trigger**: 3 days before registration closes
  + **Content**: Final registration reminder, deadline
  + **Recipients**: All users (opt-in)
  + **Channel**: Email
* **Event Day Reminder**
  + **Trigger**: Morning of the event
  + **Content**: Final event details, last-minute instructions
  + **Recipients**: All registered users
  + **Channel**: Email/SMS
* **Post-Event Follow-up**
  + **Trigger**: 1-2 days after event completion
  + **Content**: Thank you message, feedback request, photos
  + **Recipients**: All attendees
  + **Channel**: Email

### Recurring Notifications

* **Monthly Newsletter**
  + **Trigger**: First Monday of each month
  + **Content**: Monthly digest of activities, updates, highlights
  + **Recipients**: All users (opt-in)
  + **Channel**: Email
* **Quarterly Alumni Updates**
  + **Trigger**: First Monday of each quarter
  + **Content**: Quarterly summary of school and alumni news
  + **Recipients**: All users (opt-in)
  + **Channel**: Email
* **Annual Reunion Reminder**
  + **Trigger**: 3 months, 1 month, 1 week before annual reunion
  + **Content**: Reunion details, registration information
  + **Recipients**: All users (opt-in)
  + **Channel**: Email
* **Birthday Wishes**
  + **Trigger**: User’s birthday
  + **Content**: Birthday message, special offers
  + **Recipients**: Individual user
  + **Channel**: Email
* **Anniversary Reminders**
  + **Trigger**: School anniversary, graduation anniversaries
  + **Content**: Anniversary message, special events
  + **Recipients**: All users (opt-in)
  + **Channel**: Email

### Engagement Reminders

* **Inactive User Re-engagement**
  + **Trigger**: User hasn’t logged in for 3+ months
  + **Content**: Re-engagement message, recent updates
  + **Recipients**: Inactive users
  + **Channel**: Email
* **Profile Completion Reminder**
  + **Trigger**: User has incomplete profile
  + **Content**: Profile completion encouragement, benefits
  + **Recipients**: Users with incomplete profiles
  + **Channel**: Email
* **Photo Upload Encouragement**
  + **Trigger**: Periodic (monthly)
  + **Content**: Encouragement to share photos, memories
  + **Recipients**: All users (opt-in)
  + **Channel**: Email
* **Event Participation Encouragement**
  + **Trigger**: User hasn’t attended events
  + **Content**: Upcoming events, participation benefits
  + **Recipients**: Non-participating users
  + **Channel**: Email

## 🔔 REAL-TIME NOTIFICATIONS

### Social & Community

* **New Alumni Connection**
  + **Trigger**: Someone from same batch joins
  + **Content**: New connection notification, profile link
  + **Recipients**: Same batch alumni
  + **Channel**: Email/In-app
* **Profile View Notification**
  + **Trigger**: Someone views your profile
  + **Content**: Viewer information, connection suggestion
  + **Recipients**: Profile owner
  + **Channel**: In-app
* **Photo Like/Comment**
  + **Trigger**: Someone likes or comments on your photos
  + **Content**: Interaction notification, comment details
  + **Recipients**: Photo owner
  + **Channel**: In-app
* **Blog Post Comment**
  + **Trigger**: Someone comments on your blog post
  + **Content**: Comment notification, comment details
  + **Recipients**: Author
  + **Channel**: In-app

### System Updates

* **Website Maintenance**
  + **Trigger**: Real-time maintenance updates
  + **Content**: Maintenance status, estimated completion
  + **Recipients**: All users
  + **Channel**: In-app
* **Feature Updates**
  + **Trigger**: New feature announcements
  + **Content**: Feature description, usage instructions
  + **Recipients**: All users
  + **Channel**: Email/In-app
* **Security Alerts**
  + **Trigger**: Security-related notifications
  + **Content**: Security information, action required
  + **Recipients**: All users
  + **Channel**: Email

## 📱 PUSH NOTIFICATIONS (Future Mobile App)

### Immediate Alerts

* **Event Starting Now**
  + **Trigger**: Event begins
  + **Content**: Event starting notification
  + **Recipients**: All registered users
  + **Channel**: Push
* **New Message**
  + **Trigger**: New message received
  + **Content**: Message preview, sender information
  + **Recipients**: Message recipient
  + **Channel**: Push
* **Urgent Announcements**
  + **Trigger**: Important announcements
  + **Content**: Urgent information, action required
  + **Recipients**: All users
  + **Channel**: Push

### Daily/Weekly Digest

* **Daily Activity Summary**
  + **Trigger**: End of each day
  + **Content**: Daily activity summary
  + **Recipients**: All users (opt-in)
  + **Channel**: Push
* **Weekly Highlights**
  + **Trigger**: End of each week
  + **Content**: Weekly summary of important updates
  + **Recipients**: All users (opt-in)
  + **Channel**: Push

## 🎯 TARGETED NOTIFICATIONS

### Batch-Specific

* **Batch Reunion Reminders**
  + **Trigger**: Batch-specific reunion events
  + **Content**: Reunion details, batch information
  + **Recipients**: Specific graduation year
  + **Channel**: Email
* **Classmate Updates**
  + **Trigger**: Classmates join or update profiles
  + **Content**: Classmate information, connection suggestion
  + **Recipients**: Same batch alumni
  + **Channel**: Email
* **Batch Anniversary**
  + **Trigger**: Graduation anniversary
  + **Content**: Anniversary message, special events
  + **Recipients**: Specific graduation year
  + **Channel**: Email

### Interest-Based

* **Career Opportunities**
  + **Trigger**: Job postings relevant to user’s field
  + **Content**: Job details, application information
  + **Recipients**: Users with matching interests
  + **Channel**: Email
* **Educational Updates**
  + **Trigger**: Continuing education opportunities
  + **Content**: Course details, registration information
  + **Recipients**: Users interested in education
  + **Channel**: Email
* **Volunteer Opportunities**
  + **Trigger**: School volunteer opportunities
  + **Content**: Volunteer details, application information
  + **Recipients**: Users interested in volunteering
  + **Channel**: Email

### Location-Based

* **Local Events**
  + **Trigger**: Events in user’s geographical area
  + **Content**: Local event details, registration information
  + **Recipients**: Users in specific locations
  + **Channel**: Email
* **Regional Meetups**
  + **Trigger**: Regional alumni gatherings
  + **Content**: Meetup details, location information
  + **Recipients**: Users in specific regions
  + **Channel**: Email

## 📊 ANALYTICS & REPORTING NOTIFICATIONS

### Engagement Reports

* **Monthly Activity Report**
  + **Trigger**: End of each month
  + **Content**: Personal activity summary, engagement metrics
  + **Recipients**: Individual users
  + **Channel**: Email
* **Event Attendance Report**
  + **Trigger**: After each event
  + **Content**: Attendance summary, event highlights
  + **Recipients**: Event attendees
  + **Channel**: Email
* **Contribution Report**
  + **Trigger**: End of each quarter
  + **Content**: Summary of contributions made
  + **Recipients**: Contributing users
  + **Channel**: Email

### Admin Reports

* **User Engagement Metrics**
  + **Trigger**: Weekly/Monthly
  + **Content**: User engagement statistics, trends
  + **Recipients**: Admin users
  + **Channel**: Email
* **Event Success Reports**
  + **Trigger**: After each event
  + **Content**: Event analytics, attendance metrics
  + **Recipients**: Event organizers
  + **Channel**: Email
* **Content Performance**
  + **Trigger**: Monthly
  + **Content**: Blog and gallery performance metrics
  + **Recipients**: Content managers
  + **Channel**: Email

## 🔧 TECHNICAL NOTIFICATIONS

### System Health

* **Service Status Updates**
  + **Trigger**: System health changes
  + **Content**: Service status, affected features
  + **Recipients**: Admin users
  + **Channel**: Email
* **Performance Alerts**
  + **Trigger**: System performance issues
  + **Content**: Performance metrics, action required
  + **Recipients**: Technical team
  + **Channel**: Email
* **Security Updates**
  + **Trigger**: Security patch releases
  + **Content**: Security information, update details
  + **Recipients**: Technical team
  + **Channel**: Email

### Data & Privacy

* **Privacy Policy Updates**
  + **Trigger**: Privacy policy changes
  + **Content**: Policy changes, user action required
  + **Recipients**: All users
  + **Channel**: Email
* **Data Export**
  + **Trigger**: User requests data export
  + **Content**: Data export confirmation, download link
  + **Recipients**: User
  + **Channel**: Email
* **Account Deletion**
  + **Trigger**: User deletes account
  + **Content**: Deletion confirmation, data retention policy
  + **Recipients**: User
  + **Channel**: Email

## 📋 NOTIFICATION PREFERENCES

### User Configuration Options

* **Notification Types**
  + Authentication notifications
  + Event notifications
  + Content notifications
  + Social notifications
  + System notifications
* **Frequency Settings**
  + Immediate
  + Daily digest
  + Weekly digest
  + Monthly digest
  + Never
* **Channel Preferences**
  + Email notifications
  + SMS notifications
  + Push notifications
  + In-app notifications
* **Timing Preferences**
  + Preferred time for notifications
  + Time zone settings
  + Quiet hours configuration
* **Group/Batch Settings**
  + Which batches to receive notifications for
  + Interest-based notification groups
  + Location-based notification settings

## 🚀 IMPLEMENTATION PRIORITY

### Phase 1 (High Priority)

1. Authentication notifications (OTP, registration, password reset)
2. Event registration and reminder notifications
3. Basic admin notifications
4. Email notification system

### Phase 2 (Medium Priority)

1. Content notifications (blog, gallery)
2. Scheduled reminders
3. User preference settings
4. SMS notification integration

### Phase 3 (Low Priority)

1. Real-time notifications
2. Push notifications (mobile app)
3. Advanced analytics notifications
4. Social interaction notifications

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