

# BITSA Website Hackathon Guide

## 1. Overview

The BITSA Website Hackathon is an exciting competition designed to build the official BITSA (Bachelor of Information Technology Students Association) Website. The goal is to develop a dynamic and user-friendly platform that will serve as a central hub for BITSA activities, announcements, and student engagement.

This event encourages creativity, teamwork, and technical excellence while offering participants an opportunity to showcase their web development and design skills.

## 2. Hackathon Objectives

- To develop a modern, responsive, and interactive BITSA website.
- To provide students with hands-on experience in collaborative website development.
- To promote innovation, problem-solving, and practical application of IT skills.
- To create a digital space for BITSA communications, blogs, and student registration.

## 3. Website Requirements

Participants should ensure the BITSA Website includes the following core features:

### a. Core Functionalities

- User Registration and Login: Allow students to create accounts and manage profiles.
- Blog Section: Enable posting of articles, updates, and announcements.
- Events Section: Display upcoming events, meetings, and competitions.
- Contact Page: Include BITSA official email, president and vice president contacts.
- Gallery Section: Showcase photos of BITSA activities and past events.
- Responsive Design: Optimized for mobile and desktop devices.
- Admin Dashboard: For managing content, users, and posts.

### b. Technical Requirements

- Backend: PHP, Python (Django/Flask), or Node.js (any preferred stack).

- Frontend: HTML, CSS, JavaScript, or a frontend framework (React, Vue, or Angular).
- Database: MySQL, PostgreSQL, or MongoDB.
- Hosting: Deployable on a public web server or GitHub Pages.
- Version Control: Use GitHub for collaboration and submission.

## 4. Registration

Method:

All participants must register through the official Google Form (link to be provided).

The form will capture:

- Full Name
- Student ID
- Course and Year of Study
- Contact (Email and Phone)
- Team Name (if participating as a group)
- GitHub Profile (if available)

Registration Deadline: (Insert Date)

## 5. Contacts

For inquiries and clarifications, reach out through the following:

 Email: bitsaofficial@gmail.com (example)

 President: [Name] – [Phone Number]

 Vice President: [Name] – [Phone Number]

## 6. Venue and Schedule

Venue: BITSA Lab

Opening Ceremony: (Insert Date & Time)

- Official hackathon briefing
- Reading of requirements and judging criteria
- Awareness session and networking

Development Period: (Insert Start – End Dates)

Submission Deadline: (Insert Date & Time)

Judging & Awards Ceremony: (Insert Date & Time)

## 7. Judging Criteria

Projects will be evaluated based on the following:

- Functionality (25%) – Does the website work as intended?
- Design and User Experience (20%) – Is it visually appealing and easy to use?
- Innovation (15%) – Unique ideas and creative features.
- Technical Implementation (25%) – Code quality, structure, and use of technologies.
- Presentation (15%) – Clarity and completeness of project demonstration.

## 8. Prizes

 Total Prize Pool: KES 7,000

Prize Breakdown:

 1st Place: KES 4,000

 2nd Place: KES 2,000

 3rd Place: KES 1,000

Additional recognition:

- Certificates for all participants.
- Winning team's project may be adopted as the official BITSA website.

## 9. Submission Guidelines

- Submit project via GitHub link and live demo URL.
- Include a README file describing the setup, features, and team members.
- Ensure the project is deployable and accessible to judges.

## 10. Post-Hackathon

After the hackathon:

- Winning teams may be invited to refine the website for official BITSA use.

- Articles and updates about the hackathon will be posted on the new BITSA blog.
- Future hackathons will be hosted on the same website.

## **11. Notes**

- Participation is open to all BIT students.
- Teams can have up to 4 members.
- Ensure all code is original and developed during the hackathon.
- Collaboration and learning are highly encouraged!