**Home Page:**

1. Verify homepage loads successfully.
2. Check page load time under various network speeds.
3. Test all homepage links for functionality.
4. Verify the logo redirects to the homepage.
5. Check the visibility of main headings.
6. Verify footer links (contact info, privacy policy).
7. Ensure no broken images or links.
8. Verify social media icons redirect correctly.
9. Test slider/carousel on homepage (if any).
10. Ensure announcements/news section is updated.

**Navigation Menu:**

1. Verify all navigation links (About Us, Courses, etc.).
2. Check drop-down menus function correctly.
3. Test links in drop-downs.
4. Ensure responsive behaviour on mobile devices.
5. Verify hover functionality for navigation.
6. Test navigation links on different browsers.
7. Check accessibility of navigation with keyboard.
8. Validate navigation icons (if any) load correctly.

**Admissions:**

1. Verify the admission form loads.
2. Check all required fields have appropriate markers.
3. Test for valid email input.
4. Test invalid email input.
5. Test valid phone number format.
6. Check invalid phone number format handling.
7. Validate course selection field.
8. Test form submission without filling required fields.
9. Check submission with all valid inputs.
10. Ensure error message displays for invalid inputs.
11. Test form reset functionality.
12. Check successful form submission redirection.
13. Verify form confirmation email sent.
14. Ensure form data is stored correctly in the database.
15. Test CAPTCHA or anti-spam if applicable.
16. Check submission from different browsers.

**Contact Us Page:**

1. Verify contact form loads.
2. Check all fields are present (name, email, message).
3. Test valid email format input.
4. Test invalid email format handling.
5. Check message length limits.
6. Ensure the required field indicator functions correctly.
7. Test form submission with valid inputs.
8. Test form submission without filling required fields.
9. Ensure confirmation message after successful form submission.
10. Check error messages for invalid inputs.
11. Verify email address field accepts only email formats.
12. Test phone number field if present.
13. Check form reset button functionality.
14. Test form submission on mobile devices.
15. Verify form submission without CAPTCHA bypass.
16. Validate successful form data storage.

**Login Functionality:**

1. Verify student login functionality.
2. Test staff login functionality.
3. Check successful login redirects to the correct page.
4. Test login with invalid username.
5. Test login with invalid password.
6. Check error message for incorrect credentials.
7. Test password recovery feature.
8. Verify password reset link is sent to valid emails.
9. Ensure reset link expires after use.
10. Test login functionality across browsers.
11. Verify session timeout after inactivity.
12. Ensure correct error for multiple failed attempts.
13. Test the "Remember Me" option.
14. Verify login/logout flow.
15. Check functionality of the logout button.

**Content:**

1. Verify images load correctly on all pages.
2. Check for broken links across pages.
3. Ensure content alignment on all devices.
4. Test for grammatical errors or typos.
5. Validate headings for proper hierarchy (H1, H2).
6. Verify text visibility on light/dark mode.
7. Test image zoom functionality (if applicable).
8. Ensure testimonials section updates correctly.
9. Test FAQs section (if present).

**Gallery:**

1. Verify gallery loads without errors.
2. Test image carousels for smooth transitions.
3. Check image captions.
4. Ensure images open in lightbox view (if applicable).
5. Verify image download feature (if allowed).
6. Test the gallery on mobile devices.
7. Verify image scaling on different screen sizes.
8. Check load time for gallery-heavy pages.

**Responsiveness:**

1. Test website layout on desktop.
2. Test website layout on tablets.
3. Test website layout on mobile.
4. Verify mobile navigation (hamburger menu) functionality.
5. Ensure all buttons are clickable on mobile.
6. Verify layout consistency in portrait and landscape orientations.
7. Test content readability on small screens.
8. Verify page load speed on different devices.

**Accessibility:**

1. Test for keyboard navigation accessibility.
2. Check that alt text exists for all images.
3. Verify proper labels on form fields.
4. Ensure the site is compatible with screen readers.
5. Check the color contrast ratio for readability.
6. Test focus state for all clickable elements.
7. Verify skip navigation link (if applicable).
8. Test form accessibility for visually impaired users.
9. Ensure no content overlaps or cuts off on zoom.

**Performance Testing:**

1. Measure page load speed under normal conditions.
2. Test site behavior under heavy traffic.
3. Check website performance with 2G/3G connections.
4. Test page responsiveness with JavaScript disabled.
5. Test load times for pages with media (images, videos).
6. Monitor database response time for form submissions.
7. Verify cache control to improve speed.
8. Conduct stress testing on high-demand sections (admissions).
9. Test CDN functionality for content delivery.
10. Ensure minimal layout shift during page load.

**Security Testing:**

1. Test login with SQL injection attempts.
2. Check XSS vulnerability in form inputs.
3. Test file upload (if any) for malicious scripts.
4. Ensure HTTPS is enforced across the site.
5. Check for proper data encryption in transmission.
6. Test password strength requirements.
7. Verify no sensitive information is exposed in URL parameters.
8. Ensure secure cookies for session management.
9. Test for CSRF vulnerabilities.
10. Validate error handling does not expose stack traces.

**Browser Compatibility:**

1. Test the site on Chrome.
2. Test the site on Firefox.
3. Test on Microsoft Edge.
4. Check functionality on Safari.
5. Verify support on Internet Explorer (if required).
6. Test on mobile browsers (Chrome mobile, Safari mobile).
7. Check for any UI distortion across browsers.
8. Ensure CSS and JavaScript compatibility.

**User Feedback Mechanisms:**

1. Test feedback forms on various pages.
2. Verify form submission with valid and invalid inputs.
3. Check for confirmation message after submission.
4. Ensure feedback is stored correctly.

**Search Functionality (if present):**

1. Verify search box is visible.
2. Test search with valid inputs.
3. Test search with invalid inputs.
4. Check search results for relevance.
5. Test search with special characters.
6. Ensure no broken links in search results.
7. Test search pagination.
8. Check search results load on mobile.

**Newsletter Signup (if applicable):**

1. Verify newsletter form loads.
2. Test email input for valid formats.
3. Test for invalid email handling.
4. Ensure successful submission triggers confirmation email.
5. Test subscription process on various devices.

**SEO and Meta Data:**

1. Verify page title length is within SEO limits.
2. Check meta descriptions for all pages.
3. Ensure meta keywords are relevant.
4. Verify headings follow a proper structure (H1, H2, etc.).
5. Test for social media sharing tags (if applicable).
6. Check if all images have descriptive alt tags.

**Footer:**

1. Verify all footer links are functional.
2. Test social media links in the footer.
3. Ensure copyright info is up-to-date.
4. Check the visibility of contact info.
5. Verify the sitemap link (if present).
6. Ensure privacy policy and terms links work.

**Blogs or News (if present):**

1. Verify blog page loads.
2. Test individual blog post links.
3. Check pagination on blog pages.
4. Ensure blog post sharing options work.
5. Test comment functionality (if allowed).
6. Verify categories/tags filters on blogs.

**Events Calendar (if applicable):**

1. Verify the calendar loads.
2. Test event details links.
3. Check past and future events navigation.
4. Ensure event signup functionality works.

**Forms (General):**

1. Verify all forms across the site load.
2. Test valid and invalid inputs for all forms.
3. Ensure error messages are clear.
4. Test form submission success.
5. Verify form reset button clears fields.

**Notifications:**

1. Test popup notifications (if any).
2. Verify email notifications on form submissions.
3. Ensure notifications are responsive.

**Payments (if applicable):**

1. Verify payment gateway loads.
2. Test successful payment processing.
3. Check failed payment scenarios.
4. Ensure security for payment details.

**Miscellaneous:**

1. Verify 404 page is customized.
2. Test breadcrumb navigation.
3. Ensure search engines index the site.
4. Verify privacy policy page loads.
5. Test terms and conditions page.