

SPPU-TE-COMP-CONTENT – KSKA Git

Q1) Describe the phases of website development.

ANS. Website Development is a structured process that transforms an idea into a fully functional website.

The Phases of Website (Webpage) development include:-

1. Planning and Analysis:-

This is the initial phase which involves understanding the project's goal, target audience. It includes defining the website's purpose, gathering necessary information and Analysis competitors.

2. Design

Based on planning and Analysis phase, designers create WebFrames and prototypes to establish the website's layout, structure and user interface.

3. Content Creation:-

It includes writing text, creating images, videos and other media.

4. Development:-

This includes the coding of frontend and Backend components.

5. Testing:-

Before launching, the website undergoes rigorous testing to identify and fix bug and verify all functions work correctly.

6. Launch/Deployment:-

After the successful testing, the website is deployed to a live server making it accessible to users.

7. Maintenance:-

Post launch, the website requires the ongoing maintenance to fix issues, update, introduce the new features.

Q2) Why is planning important in website development?

ANS. The planning is crucial in website development for several reasons:-

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1. Clear Strategy:-
 - It allows you to form a clearly defined strategy that accounts for every component of the development process.
2. Time and Cost Efficiency:-
 - A detailed plan prevents the need to rework parts of the development and design, saving time and money.
3. Alignment with Business Goal.
 - Planning estimates whether your website meets the business objectives and user needs.
4. Anticipation of Challenges:-
 - It helps anticipate design challenges and ensure alignment with your business.
5. User Experience:
 - A well thought out, plan help create an intuitive structure and navigation for users.
6. Resource management.
 - Planning allows for proper allocation of time, budget, and personnel. It helps to anticipate potential roadblocks and make necessary adjustments before they cause delays or overspending.
7. SEO and Performance:
 - Early planning allows for optimization of the website for search engines (SEO) and performance.
8. Quality Assurance
 - Planning helps identify testing and review processes to ensure the site works as expected across different devices and browsers, minimizing errors or bugs.

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Q3.) What are the common Design issues faced during the Web Development?

ANS. Common Design issues in web development include:-

1. Outdated Design:-
 - Websites that are not up to date can be slow and difficult to use.
2. Low quality Content:-
 - Content that is not high quality or consistent can be difficult for users to engage with.
3. Navigation Issues
 - Poor navigation can make it difficult for users to find what they are looking for.
4. Slow Loading Speed.
 - Websites that take a long time to load can frustrate users.
5. Security Vulnerabilities.
 - Insecure Design, broken access control, and cryptographic failures can put the user data at risk.
6. Poor Call-to-Action (CTA) placement.
 - CTA's that are not well placed can make it difficult for users to take action.
7. Cluttered Design
 - Too many elements on a page can make it difficult for users to take action.
8. Unclear Communication
 - Poor communication and messaging can make it difficult for users to understand the website purpose.
9. Non-response Design.
 - Websites that are not designed to work well on mobile devices can be frustrating for users.
10. Poor Accessibility.
 - Websites that are not accessible to users with disabilities.

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can be difficult for them to use.

OTHER CHALLENGES in Web Development include :-

- Platform and Browser Compatibility.
- Security Implementation.
- Performance.
- Choice of tech stack.
- Meeting Web standards.
- UI and UX.
- Maintenance.
- Website and Database scaling.