

Tuguegarao Archdiocesan Schools System Saint Joseph's College of Baggao, Inc.



Baggao, Cagayan, Philippines

Transforming Lives. Shaping the Juture

INTRODUCTION TO WEB INTERACTIVITY AND ENGAGEMENT

Course Title:	Web Interactivity and	Course Code:	IT 424
	Engagement		
Instructor:	VINCE MARK E. ARNEDO	Term & AY:	1st Sem, AY 2025-
			2026
Email	arnedovincemark@sjcbi.edu.ph	Contact No:	09369230607
Address:			

I. Overview

This module explores Web Interactivity and Web Engagement, two foundational pillars of modern user-centered design and development. In a digital world where user attention is scarce, websites must not only function — they must invite interaction and sustain engagement.

In an era where user attention is fleeting, websites and web applications must do more than display content—they must actively invite participation and sustain interest. This course empowers learners to master the principles and practices of web interactivity (the "how" of user actions and system responses) and web engagement (the "why" of user investment and retention). Graduates will be able to design, implement, and evaluate digital experiences that are not only usable and accessible but also compelling and aligned with business or organizational goals.

II. Intended Learning Outcome (ILOs)

Upon completion of this module, the student should be able to: Describe the fundamental concepts of web interaction and engagement, explain their importance in creating effective user experiences, and recognize how well-designed interactions and engagement strategies impact user satisfaction and website success.

III. Learning Resources & References

- Storyly. (n.d.). User Engagement. https://www.storyly.io/glossary/user-engagement
- Page Flows. (n.d.). User Engagement: Measuring and Improving It. https://pageflows.com/resources/user-engagement-measuring-and-improving-it/
- Abmatic AI. (n.d.). The Importance of User Experience in Website Engagement. https://abmatic.ai/blog/importance-of-user-experience-in-website-engagement
- Futuramo. (n.d.). 14 Ways Good Web Design Improves User Engagement. https://futuramo.com/blog/14-ways-good-web-design-improves-user-engagement/
- Ramotion. (n.d.). Interactive Website: Features, Examples, and Tips. https://www.ramotion.com/blog/interactive-website/
- GoDaddy Blog. (2022). 27 Website Design Strategies That Drive User Engagement. https://www.godaddy.com/resources/skills/website-design-strategies-that-drive-user-engagement
- UserGuiding. (2023). Guide to Increasing Website Engagement: Tools, Strategies, Metrics. https://userguiding.com/blog/website-engagement
- Breadcrumbs.io. (2023). 10 Best Practices and Tools for Increasing Website Engagement. https://breadcrumbs.io/blog/increase-website-engagement/
- Shopify. (n.d.). Audience Engagement Types + Strategies to Boost Engagement. https://www.shopify.com/ph/blog/audience-engagement

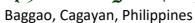
IV. Lecture Content/ Summary of Lesson

1. Overview of Web Interactivity and Engagement

In an era where user attention is fleeting, websites and web applications must do more than display content—they must actively invite participation and sustain interest. This course



Saint Joseph's College of Baggao, Inc.





Transforming Lives, Shaping the Future

empowers learners to master the principles and practices of web interactivity (the "how" of user actions and system responses) and web engagement (the "why" of user investment and retention). Graduates will be able to design, implement, and evaluate digital experiences that are not only usable and accessible but also compelling and aligned with business or organizational goals.

1.1. Application of Web Interactivity and Engagement

1. E-Commerce Platforms

Personalized product configurators and real-time inventory updates empower shoppers to make confident purchasing decisions, reducing return rates and boosting average order values—directly driving revenue growth and customer loyalty.

2. FinTech & Digital Banking

Instant transaction feedback and live account insights cultivate user trust and engagement, leading to more frequent platform use, lower support costs, and higher customer lifetime value in a competitive financial services market.

3. Education & E-Learning

Interactive quizzes with immediate feedback and adaptive content pathways deepen learner engagement and retention, translating to higher course completion rates, improved learning outcomes, and greater institutional credibility.

4. Hospitality & Travel

Dynamic booking widgets and immersive virtual tours reduce friction in the reservation process and increase booking conversions, while personalized itineraries enhance guest satisfaction and encourage repeat visits.

5. Food & Beverage Services

Real-time menu customization and order-tracking interfaces heighten customer satisfaction and operational efficiency, lowering cart abandonment and support inquiries while fostering repeat business through a seamless dining experience.

6. Healthcare & Telemedicine

Symptom-checker wizards and live appointment scheduling with instant availability feedback enhance patient autonomy and adherence, improving care access and reducing administrative bottlenecks for healthcare providers.

7. Social Media Platforms

By enabling users to react, comment, and share in real time, social media platforms foster a sense of community and belonging—driving daily active use, amplifying organic reach, and strengthening network effects that directly increase user retention and ad revenue.

8. Entertainment & Streaming Services

Highly engaging interfaces that adapt to viewing habits—surfacing personalized recommendations and seamless "continue watching" cues—dramatically extend session lengths, reduce churn, and boost subscription renewals by making the service indispensable to audiences.

9. Smart Home & IoT Dashboards

Interactive control panels that instantly reflect device status and usage trends empower homeowners to optimize comfort and energy use, building trust in automation systems and increasing long-term adoption of smart-home ecosystems.

10.Automotive Infotainment Systems

Intuitive touch and voice interfaces that respond predictably under driving conditions enhance safety and driver confidence—translating to stronger brand loyalty, higher customer satisfaction scores, and differentiation in a competitive automotive market.

11. Nonprofit & Community Portals

Emotionally resonant feedback loops—such as real-time donation meters and volunteer milestone badges—motivate ongoing participation and giving, resulting in higher donor lifetime value, deeper community engagement, and more effective program outcomes.

12. SaaS & Data Analytics Dashboards



Saint Joseph's College of Baggao, Inc.



Baggao, Cagayan, Philippines

Transforming Lives, Shaping the Juture

Interactive data visualizations and drill-down filters enable users to uncover insights without technical barriers, empowering data-driven decision-making, increasing platform stickiness, and reducing churn for subscription services.

13. Marketing Campaign Microsites

Gamified experiences and social-share prompts transform promotional content into memorable brand interactions, amplifying lead generation, increasing social reach, and fostering stronger customer advocacy.

14. Online Event & Conference Portals

Live Q&A widgets and interactive exhibitor booths recreate in-person networking value, driving higher attendee satisfaction, sponsor ROI, and year-over-year registration growth.

1.2. Studying Web Interactivity and Web Engagement

Studying Web Interactivity and Engagement equips professionals across all roles in tech with the knowledge and skills to create meaningful, user-centered, and goal-oriented web experiences. In today's digital landscape, websites and apps are expected to be more than just informative — they must be responsive, intuitive, inclusive, and emotionally engaging.

For Designers

Purpose	Benefit
Craft Intuitive	Understanding interaction patterns and affordances ensures that users
Interfaces	can navigate and use interfaces effortlessly.
Design for Emotional	Designers apply principles of engagement to trigger trust, delight, and
Engagement	brand connection.
Ensure Accessibility	Knowledge of interactivity supports inclusive design for users with
	diverse needs and devices.
Feedback Awareness	Ensures users receive clear responses from the interface, reinforcing
	interaction.

For Developers

Purpose	Benefit
Build Interactive	Enables implementation of components like dynamic forms, modals,
Features	carousels, and live filters.
Optimize	Developers improve system feedback, reduce latency, and ensure
Responsiveness	smooth UX across devices.
Manage State and	Understanding interactivity allows better handling of dynamic content
Personalization	and user-specific experiences.
Code with Empathy	Knowledge of engagement ensures code supports fluid, frustration-
. ,	free user journeys.

For QA Engineers

Purpose	Benefit
Test Interactive	Enables simulation of real user flows (e.g., form validation, navigation
Elements	behavior).
Verify Feedback	QA checks if interactions provide timely and expected system
Loops	responses.
Accessibility	Ensures interactive elements are keyboard-accessible, screen-reader
Compliance	friendly, and WCAG-compliant.
Behavioral Testing	Empowers testers to identify friction points that may reduce
	engagement.
Purpose	Benefit



Tuguegarao Archdiocesan Schools System Saint Joseph's College of Baggao, Inc.



Baggao, Cagayan, Philippines

Transforming Lives, Shaping the Juture

Theme	Why It Matters
User-Centered	All roles focus on the human behind the screen, not just the system.
Thinking	
Improved Retention	Interactive and engaging products increase user satisfaction and
and Conversion	business results.
Data-Driven	Engagement metrics offer insight into what works and what needs
Iteration	improvement.
Collaboration and	Shared understanding of interactivity and engagement fosters better
Empathy	teamwork.

1.3. Connection to other Disciplines

Discipline	Connection to Web Interactivity & Engagement
Human-Computer Interaction (HCI)	Applies psychological and ergonomic principles to design effective feedback loops and interaction cycles that underpin user actions and system responses.
UX/UI Design	Utilizes visual hierarchy, affordance, and accessibility guidelines to craft intuitive interactive elements and engagement flows that guide users toward desired outcomes.
Front-End Web Development	Implements dynamic interactions, real-time feedback, and responsive layouts using HTML, CSS, and JavaScript to bring interactive designs to life.
Software Engineering	Integrates interactive features into modular, maintainable systems; promotes iterative development and testing to ensure performance and scalability of user-facing components.
Behavioral Psychology	Informs motivation and habit-formation models (e.g., Fogg Behavior Model, SDT) to develop engagement strategies like nudges, gamification, and reward loops.
Digital Marketing & Analytics	Leverages engagement metrics (bounce rate, session duration, conversion funnels) to assess interactive features' effectiveness and optimize personalization and calls-to-action.
Accessibility & Inclusive Design	Ensures interactive components are operable, perceivable, and understandable by all users, broadening engagement and meeting WCAG legal standards.
Data Science & Visualization	Uses interactive charts, dashboards, and drill-down filters to enable exploration of data insights, driving data-informed decisions that enhance user engagement.
Information Architecture	Structures content and navigation patterns to support logical interaction flows, improving findability and reducing friction to sustain deeper engagement.

2. Introduction to Web Interactivity

Web interactivity refers to the dynamic and responsive features embedded within a website that allow for a two-way exchange of information or actions between the user and the website itself. It transforms a static, passive viewing experience into an active, engaging, and often personalized journey.

Think of it as the difference between looking at a picture in a book *(static)* and playing a video game *(interactive)*. On a highly interactive website, users are not just consuming content; they are *doing* things with it, and the website responds to their input.

A highly interactive website transforms the user experience from passive consumption to active participation, often leading to deeper engagement, higher satisfaction, and better usability. Imagine the difference between reading a static article and using an interactive data visualization or customizing a product in real-time—the latter is made possible through web interactivity.



Saint Joseph's College of Baggao, Inc.







2.1. Why is Web Interactivity Important?

Web interactivity is crucial because it significantly enhances the User Experience (UX) and drives user engagement, which in turn leads to better business outcomes.

- a. Increases Engagement: Interactive elements make websites more dynamic and fun, encouraging users to spend more time on the site and explore its content in depth.
- b. Improves User Experience: By providing immediate feedback and allowing users to control their journey, interactivity makes websites more intuitive, satisfying, and efficient to use.
- c. Boosts Conversions: Engaged users are more likely to complete desired actions, whether it's making a purchase, signing up for a newsletter, or downloading a resource.
- d. Enhances Information Retention: Active participation often leads to better understanding and recall of information compared to passive consumption.
- e. Gathers User Data and Insights: Interactions provide valuable data on user behavior, preferences, and pain points, which can be used to optimize the website and content.
- f. Strengthens Brand Loyalty: A positive and memorable interactive experience builds trust and fosters a stronger connection between the user and the brand.
- g. Improves SEO (indirectly): Higher engagement metrics (like time on site and lower bounce rates) signal to search engines that your content is valuable, potentially improving your search rankings.

2.2. Core components of Web Interactivity

web interactivity operates on a continuous feedback loop composed of three essential components. This cycle ensures that users feel in control, informed, and engaged throughout their interaction with a website or application.

Interaction Cycle

User Action → System Response → Feedback → New User Action

1. User Action

The initial input or behavior by the user — such as clicking a button, typing in a field, swiping on a screen, scrolling, or hovering over an element. This expresses the user's intent and initiates the interaction.

2. System Response

The resulting behavior of the system after receiving the user's input — such as loading new content, validating form input, navigating to another page, or triggering an animation. This determines how the system processes the action.

3. Feedback

The system immediately communicates back to the user, visually (highlighted button, tooltip), audibly (notification sound), or through motion (loading spinner, transitions). This lets the user know their action was recognized and helps reinforce intuitive interaction.

4. New User Action

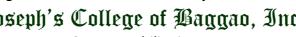
After receiving feedback, the user often performs another action — continuing the cycle. This creates a seamless, ongoing exchange that drives deeper engagement and task completion.

Interaction Cycle Examples

- 1. Facebook Reacting to a Post
 - The user hovers over the "Like" button on a friend's post and selects the "Love" reaction.

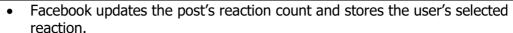


Tuguegarao Archdiocesan Schools System Saint Joseph's College of Baggao. Inc.





Transforming Lives, Shaping the Juture



- The "Love" icon animates briefly, and the count beside the post updates in real-
- The user may scroll to react to more posts or comment under the same post.

2. YouTube - Subscribing to a Channel

- The user clicks the **"Subscribe"** button on a content creator's channel page.
- YouTube registers the subscription and updates the user's account preferences.
- The button changes to **"Subscribed"** with a bell icon, allowing the user to set notification preferences.
- The user clicks the bell to enable "All Notifications" or continues watching more videos.

3. GCash – Paying a Bill

- The user navigates to "Pay Bills", selects "Meralco," enters billing details, and taps "Pay Now."
- GCash processes the payment and deducts the amount from the user's wallet balance.
- A confirmation screen appears: "Payment Successful", with a reference number and e-receipt sent via SMS and email.
- The user may save the biller as a favorite or tap "Make Another Payment."

4. Shopee – Placing an Order

- The user taps "Add to Cart" then goes to the cart and selects "Checkout."
- Shopee verifies the order, calculates shipping, and processes the payment through the selected method.
- A confirmation screen shows "Order Placed" with tracking details and estimated delivery time. The user also receives a push notification and email.
- The user checks "My Purchases" for the new order, or returns to browse more items.

2.3. Interaction Element

An interaction element is any user interface (UI) component that allows users to perform an action.

Standard Interaction Elements

Element	Description
Button	Triggers actions such as submitting forms, opening modals, or
	executing commands.
Link	Navigates to another page, anchor, or resource.
Form Field	Allows user input—includes text fields, textareas, email, number, etc.
Checkbox	Allows selection of one or more options independently.
Radio Button	Allows the user to choose one option from a set.
Dropdown	Displays a list of options; user selects one.
(Select)	
Slider	Allows adjustment of a value by sliding a handle (e.g., volume,
	brightness).
Toggle Switch	Allows binary ON/OFF actions (like enabling a setting).

Interactive Media Controls

Element	Description
Play/Pause Button	Controls video or audio playback.
Volume Control	Adjusts audio volume.
Progress Bar	Shows media progress; can often be clicked/dragged.



Tuguegarao Archdiocesan Schools System Saint Joseph's College of Baggao, Inc.



Baggao, Cagayan, Philippines

Transforming Lives. Shaping the Future

Full Screen	Enlarges/shrinks media content to/from fullscreen mode.
Toggle	

Navigation & Layout Elements

Element	Description
Navigation Menu	Allows users to access major areas or features of a site.
Breadcrumbs	Shows navigation hierarchy; allows quick jumping to higher levels.
Tabs	Divides content into switchable panels.
Accordion	Collapses and expands content sections.
Pagination	Allows users to browse through content in pages.
Controls	
Hamburger Menu	Icon that toggles navigation options, especially on mobile.
Scrollbars	Let's users scroll through content.
Back-to-Top	Scrolls the page back to the top.
Button	

Drag-and-Drop & Gestural UI

Element	Description
Draggable	Can be moved by the user (e.g., cards, files).
Element	
Droppable Area	Target for a draggable item (e.g., folders, trash bin).
Sortable List/Grid	Allows users to reorder items by dragging.
Swipeable Panels	Allows swiping left/right to reveal content (common on mobile).

Interactive Visual Elements

Element	Description
Image	Rotates through multiple images or content cards.
Carousel/Slider	
Hover Effect	Changes style or reveals content on mouse hover.
Tooltips	Provides brief information on hover or focus.
Modals/Pop-ups	Displays content in an overlay window.
Lightbox Viewer	Enlarges media (usually images) in an overlay.

Data Visualization and Widgets

Element	Description
Interactive Charts	Respond to hover/clicks to show tooltips, details.
Filter Controls	Allows sorting/filtering datasets or product lists.
Live Counters	Animates numbers (e.g., stats, download count).
Map Widgets	Allow zooming, pin dropping, dragging.
Calendars/Date	Choose specific dates or ranges.
Pickers	

Communication & Social Elements

Element	Description
Chatbox/Live	Allows real-time user-system or user-agent communication.
Chat	
Comment Box	Lets users post responses or feedback.
Reaction Icons	Emoji-based interaction (e.g., like, love, wow).
Social Share	Allows sharing to platforms like Facebook, Twitter, etc.
Buttons	

Authentication & Account Actions

Element	Description
Login/Logout Button	Starts or ends user sessions.



Saint Toseph's College of Baggao. Inc.



Baggao, Cagayan, Philippines

Transforming Lives, Shaping the Juture

Profile Dropdown	Displays user account options.
2FA Code Entry	Inputs time-based authentication codes.

Advanced Interactive Components

Element	Description
Chatbots/AI	Interactive conversation systems.
Assistants	
Interactive	Collects opinions or provides feedback.
Quizzes/Polls	
Virtual Product	Allows users to configure colors, shapes, text, etc.
Customizers	
Interactive Forms	Forms that change based on user input.
with Logic	

2.4. Feedback Mechanism

A feedback mechanism is the system's way of acknowledging user input. It ensures users know their actions have been recognized and processed. Feedback can be visual (e.g., button color change), auditory (e.g., notification sound), or haptic (e.g., vibration on mobile). Effective feedback reduces uncertainty and builds trust by confirming that the system is responsive and functional.

2.5. Micro interactions

Microinteractions are small, single-purpose moments within a user interface that enhance usability and delight. They include events like toggling a switch, liking a post, or getting a typing indicator in chat. While seemingly minor, they play a big role in making digital experiences intuitive and emotionally engaging by providing feedback, guiding tasks, or adding personality to interactions.

2.6. Dynamic Content

Dynamic Content refers to web content that automatically changes, updates, or personalizes based on user behavior, preferences, input, location, or real-time data. Unlike static content (which stays the same for all users), dynamic content is interactive, adaptive, and often unique to each visitor.

2.7. Affordance

Affordance refers to the design cues that suggest how an element should be used. For example, a raised button visually signals that it can be clicked, while a slider implies that it can be dragged. Good affordance ensures users intuitively understand possible interactions, thereby reducing confusion and improving usability without the need for instructions.

2.8. Responsiveness

Responsiveness is the system's ability to quickly and appropriately react to user actions and adapt to different devices, screen sizes, and interaction modes. It includes both speed (e.g., low latency in clicking or submitting) and adaptability (e.g., layout adjustments on mobile vs. desktop). High responsiveness contributes directly to smoother user experience and satisfaction.

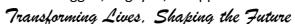
3. Introduction to Web Engagement

While web interactivity focuses on the *mechanisms* of user interaction, **web engagement** speaks to the *outcome* of those interactions and the user's overall relationship with a website. It is about how deeply users connect with, find value in, and commit their time and attention to to users' online presence.



Saint Joseph's College of Baggao. Inc.







3.1. Why is Web Engagement Important?

High web engagement is not just a vanity metric; it directly correlates with business objectives and overall website success.

- a. Drives Conversions: Engaged users are significantly more likely to complete desired actions, whether it's making a purchase, signing up for a service, submitting a lead form, or downloading content. Their interest translates into measurable outcomes.
- b. Builds Brand Loyalty and Advocacy: When users find a website consistently engaging and valuable, they develop a positive association with the brand. This leads to repeat visits, word-of-mouth referrals, and a stronger customer base.
- c. Improves User Retention: Engaged users are less likely to "bounce" (leave quickly) and more likely to return to the site in the future, establishing a long-term relationship.
- d. Provides Valuable Insights: By analyzing engagement metrics, businesses can understand what content resonates, which features are used, and where users encounter friction. This data is invaluable for iterative design improvements and content strategy.
- e. Enhances Search Engine Optimization (SEO): Search engines (like Google) increasingly use user behavior signals (e.g., time on site, bounce rate, pages per session) as indicators of content quality and relevance. Websites with higher engagement tend to rank better in search results.
- f. Increases Ad Revenue (for content sites): For websites relying on advertising, engaged users mean more page views and longer sessions, leading to more ad impressions and higher revenue.
- g. Fosters Community and Interaction: For social platforms or content sites, engagement metrics like comments, shares, and user-generated content are vital for building a vibrant community.

3.2. Key Indicators of Web Engagement (Metrics)

High web engagement is not just a vanity metric;

Web engagement is measured through a variety of quantitative and qualitative metrics that provide insights into user behavior:

- a. Time on Site/Page (Session Duration): The average amount of time users spends on a single page or across the entire website during a visit. Longer times often suggest users are actively reading, watching, or interacting with content.
- b. Pages Per Session: Definition: The average number of different pages a user views during a single visit to the website. More pages per session typically mean users are exploring deeply and finding diverse content of interest.
- c. Bounce Rate: The percentage of visitors who leave a website after viewing only one page. A low bounce rate signifies good engagement, as users are staying to explore beyond their initial landing page. A high bounce rate often points to a mismatch between user expectation and content, or poor user experience.
- d. Return Visits / Repeat Visitors: The number or percentage of users who come back to the website multiple times over a period. A strong sign of loyalty and sustained interest, suggesting users find recurring value.
- e. Conversion Rate: The percentage of users who complete a desired action or goal (e.g., purchase, signup, download, form submission). The ultimate measure of engagement for many business-oriented sites, directly linking user interaction to business objectives.
- f. Scroll Depth: How far down a webpage users scroll. Reveals whether users are consuming the full content of long pages, rather than just scanning the top.
- g. Social Shares, Likes, and Comments: User-generated interactions where content is shared on social media, liked, or commented upon directly on the website. Strong signals of content value, emotional resonance, and a desire to participate or advocate.



Saint Joseph's College of Baggao. Inc.



Baggao, Cagayan, Philippines

Transforming Lives, Shaping the Juture

h. User-Generated Content (UGC): Content created by users themselves, such as reviews, forum posts, photos, or videos. The highest level of engagement, showing significant investment and commitment to the community or product.

4. Web Interactivity and Web Engagement: Relationship and Difference

Interactivity is the Cause/Mechanism: It's the toolset or the actions the website *enables* users to take. It's about the design and functionality that *allows* for interaction.

Engagement is the Effect/Outcome: It's the result of the user's experience with the website. It's the *measure* of how deeply they are invested and whether the website is successfully capturing and holding their attention.

Think of it like a game console, The interactivity is the game controller – it provides the buttons, joysticks, and sensors that allow you to send inputs. The engagement is how much fun a player having playing the game, how long a player plays, and whether a player recommend it to friends.

ASPECT	WEB INTERACTIVITY	WEB ENGAGEMENT
Definition	Refers to the <i>actions</i> users take on	Refers to the <i>depth and quality</i> of a
	a website and how the system	user's attention, interest, and
	responds	involvement
Focus	How users interact: clicks, scrolls,	Why users stay, return, share, and
	hovers, form submissions, etc.	explore the website deeply.
	Interaction = Doing	Engagement = Feeling
Nature	Action-based; mechanical or	Emotional and cognitive;
	functional	experience-based
Question It Asks	"How can users do things on this	"How interested and invested are
	website?"	users in this website?"
Goal	To provide a functional, intuitive,	To foster user loyalty, achieve
	and responsive user interface.	conversions, and improve overall
		website performance.
Examples	- Clicking buttons/links	- High time on page/site
	- Filling out forms	- Low bounce rate
	- Using search bars	- Multiple pages viewed per session
	- Playing videos/audio	- Repeat visits to the site
	- Dragging & dropping elements	- Completing desired actions
	- Interacting with quizzes/polls	(conversions)
	- Hover effects, carousels	- Social sharing or commenting on
		content
5 1 1.	8	- High scroll depth
Relationship	Drives and enables engagement.	The result of successful interactivity
	Well-designed interactivity is crucial	(among other factors like content
	for achieving high engagement.	quality, aesthetics, etc.).
Outcome	Immediate, real-time system	Long-term user satisfaction, loyalty,
	response.	and meaningful interaction.

5. Prerequisites for the Course

To maximize learning outcomes and ensure effective participation in this course, students are expected to have the following foundational knowledge and skills:

Area	Description
------	-------------



Tuguegarao Archdiocesan Schools System Saint Joseph's College of Baggao, Inc. Baggao, Cagayan, Philippines



Transforming Lives. Shaping the Future

HTML, CSS, and	Ability to create structured web pages using HTML, apply visual styles
JavaScript	with CSS, and add interactivity with JavaScript (e.g., DOM
Proficiency	manipulation, event handling). Competence in using browser
	developer tools (e.g., Chrome DevTools) to test, inspect, and
	troubleshoot HTML/CSS/JS behaviors.
User Experience	Basic understanding of usability principles, user-centered design, and
(UX) Fundamentals	accessibility considerations in designing digital products.
UI Design	Familiarity with layout principles, visual hierarchy, alignment, spacing,
Fundamentals	and the use of colors and typography in interface design.
Prototyping and	Experience using design tools such as Figma, Adobe XD, or similar to
Wireframing	create wireframes, mockups, and interactive prototypes.