



**CHANDIGARH
UNIVERSITY**

Discover. Learn. Empower.

**INSTITUTE : UIE
DEPARTMENT : CSE**

Bachelor of Engineering (Computer Science & Engineering)

**WEB AND MOBILE SECURITY (Professional Elective-I)
(20CST/IT-333)**

TOPIC OF PRESENTATION:

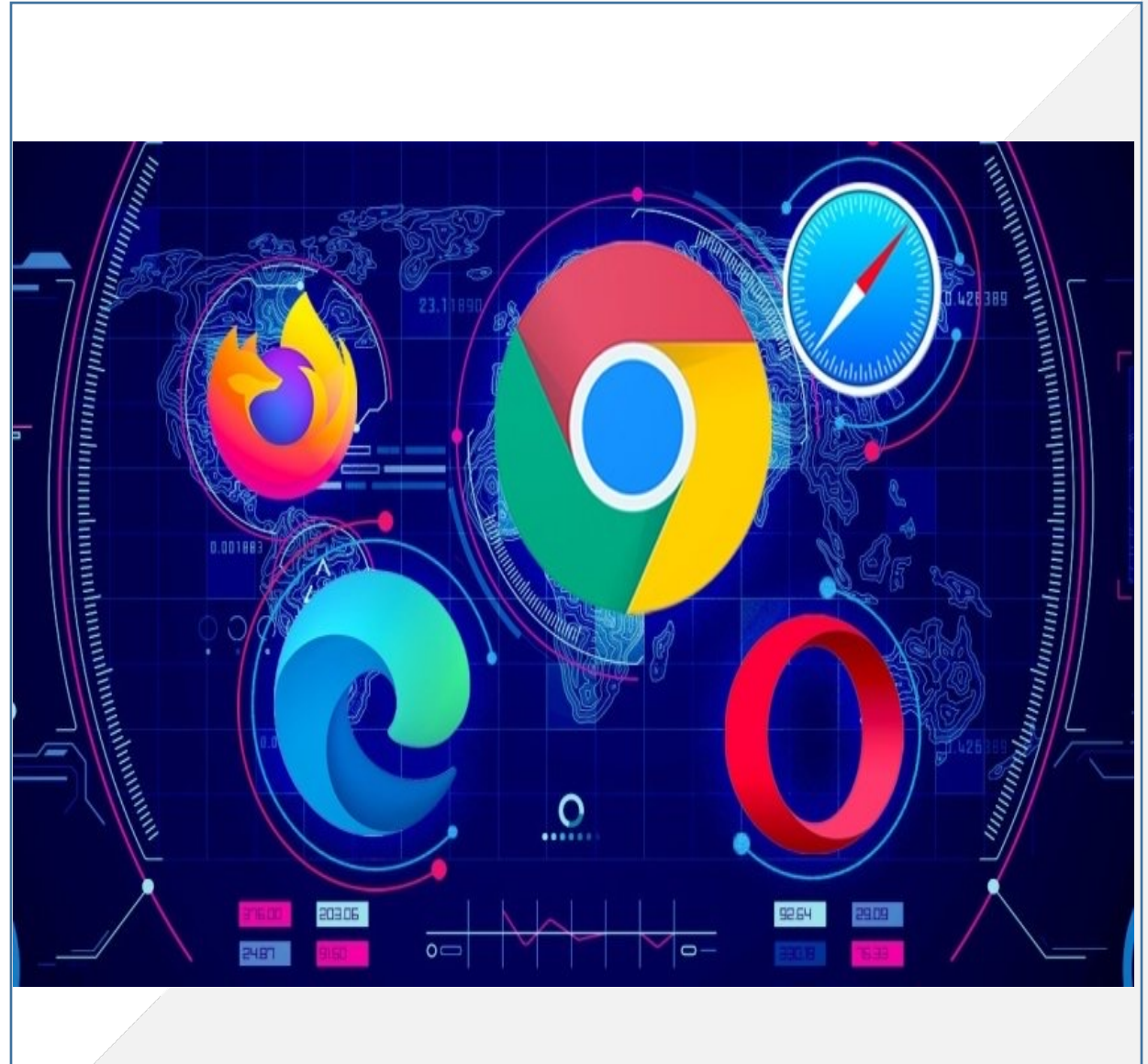
Overview of browsers, extensions, and platforms.

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Lecture Objectives

In this lecture, we will discuss:

- Introduction Overview of browsers, extensions, and platforms.



What is a browser extension?

- A browser extension is a small unit of software (referred to as a 'plug in' when the software executes code) that performs various filters and controls to change the way a user might visit a web page or view information emanating from a web service (such as online email, for example).

How Browser Extensions Work

- Browser extensions are usually tasked with adding additional features and functionalities to a website. But they can also be used to remove unwanted features and functionalities such as pop-up ads and other aspects of a website's core behavior that a user wishes to opt out of.
- Google Chrome has thousands of extensions on the [Chrome Web Store](#) and browsers including [Firefox](#) and [Opera](#) sport a wide selection too.
- Like the three aforementioned browsers, [Microsoft Edge](#) also has a range of extensions offering additional functionalities dedicated functions such as Pinterest 'save buttons, PDF printing tools and onward to more tangential tasks such as helping users to create options for more complex mouse gestures.

BEST BROWSER EXTENSIONS

1. Readability – Chrome, Firefox, Safari

- Readability is a read-later app so you can save any web page, article or blog post to your reading list and come back to it when you're ready. The extension also strips away distracting elements like ads, presenting you with a simple and clean interface for reading articles.

2. Awesome Screenshot – Chrome, Firefox, Safari

It gives you the option to capture an entire web page, just the visible portion or a specific region you designate. You can crop the image and even annotate with circles, arrows and text.

3. StayFocusd – Chrome

It's easy to get sucked into social media or waste time browsing your favorite websites when you have important work to be done. StayFocusd allows you to set time limits for yourself on distracting websites and then blocks your access to those sites when time is up. You can block entire websites or specific pages. Perfect for keeping yourself on track so you can get back to the high priority work on your to-do list.

4. Evernote Web Clipper – Chrome, Firefox, Safari

- We've raved about [Evernote and its many uses](#) before, but the web clipper is our favorite part. Anytime you find something online that you want to remember, come back to or save for later, just click on the web clipper and to save it to your Evernote account. You can use it to save images, text, links, or entire webpages, which will be ready and waiting for you in your Evernote whenever you need them.

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5. Buffer – Chrome, Firefox, Safari

Buffer is a great tool for [scheduling and sharing content on social media](#), and the browser extension allows you to publish content from anywhere on the web with just a click of the mouse. When you find something you want to share, just click the Buffer bookmarklet in your browser toolbar, customize your tweet or status update and publish immediately or add to your Buffer Queue.

6. Gmail Offline – Chrome

Read and respond to emails, archive messages and more – even if you’re working without an Internet connection. As soon as it detects that you’re back online, the Gmail Offline web app will automatically carry out any actions you took while offline.

7. Add to Wunderlist – Chrome, Firefox, Safari

If you love [to-do lists](#) and want the ability to add items to your list from any website, Wunderlist could become your new best friend. Maybe you found a book on Amazon that you want to buy later, or an article that gives you a great idea for a blog topic, or a new online tool that you want to explore in more detail. Just click the browser extension to add that page or site to your Wunderlist.

<https://www.softwaretestinghelp.com/best-chrome-extensions/>

References:

Books:

1. Web Design With HTML, CSS, JavaScript and jQuery Set, 1st Edition, by Jon Duckett.
2. Hacking Exposed Web Applications, 3rd edition, Joel Scambray, Vincent Liu, Caleb Sima, Released October 2010, Publisher(s): McGraw-Hill

Reference Links:

<https://www.forbes.com/sites/adrianbridgwater/2019/04/16/how-browser-extensions-work/?sh=43796690674c>

https://developer.mozilla.org/en-US/docs/Mozilla/Add-ons/WebExtensions/Build_a_cross_browser_extension

Relevant Videos:

<https://www.lambdatest.com/blog/27-best-chrome-extensions-for-developers/>

<https://www.quicksprout.com/seo-browser-extensions/>





THANK YOU

