



**Gandhinagar Institute of Technology**  
**Computer Engineering & Information Technology Department**  
A Report on  
“Expert Lecture on Web Development”  
(12<sup>th</sup> August, 2021)

**Objective:**

The objective of the session was to provide the programming knowledge using jQuery, JavaScript, Node.js, AngularJS, ReactJS, together with some HTML and CSS. It follows a problem-based approach which requires you to design and create a website of ever-increasing sophistication as the course progresses while creating design documentation, reflecting on the process, and (optionally) sharing and communicating with others.

**About Expert Lecture:**

This conference provided a valuable platform for the company's industry experts to exchange and discuss the latest views on the technological development of the Web Development. 53 participants have attended from Sem-5 Students from the Computer Engineering and Information Technology Department.

**Structure of Lecture:**

**Time: 11:25 am to 1:00 pm**

Mr. Lokesh Vaishnav discussed about jQuery is a lightweight, "write less, do more", JavaScript library. The purpose of jQuery is to make it much easier to use JavaScript on your website. jQuery takes a lot of common tasks that require many lines of JavaScript code to accomplish, and wraps them into methods that you can call with a single line of code. Developers find Angular very effective in terms of creating dynamic, single page application, and supporting MVC(Model-View-Controller) programming structure.

At a present span of time, in the competitive business environment, Angular has emerged as the superhero due to its intuitiveness and rich features. React allows developers to create large web applications that can change data, without reloading the page. The main purpose of React is to be fast, scalable, and simple. It works only on user interfaces in the application. This corresponds to the view in the MVC template.

Businesses that use ReactJS are assured of better performance compared to those that use other frameworks. Because ReactJS helps to prevent updating of DOM, it means that the apps will be faster and deliver better UX. ReactJS was designed to help improve the total rendered pages from the website server. It's a JavaScript runtime environment which allows the infrastructure to build and run an application. It's a light, scalable, and cross-platform way to execute code. It uses an event-driven I/O model which makes it extremely efficient and makes scalable network application possible.

# Glimpse of Expert Lecture on Web Development

The screenshot shows a Google Meet interface with a presenter, Durgesh Vaishnav, sharing a PowerPoint slide. The slide is titled "LECTURE 32: INTRO TO WEB DEVELOPMENT" and contains the following content:

- Objectives:** Basic Web Application Model, Web Development Frameworks/Languages
- Resources:** Web Frameworks, Popular Frameworks, 10 Things to Know, jQuery, Angular, React, Knockout

The slide also features a graphic of a green box labeled "WEB DEVELOPMENT" with various icons representing web technologies. The Meet interface includes a "REC" indicator, a list of participants, and a chat window.

## Introduction of Web Development

The screenshot shows a Google Meet interface with a presenter, Durgesh Vaishnav, sharing a PowerPoint slide. The slide is titled "Document Object Model" and contains the following content:

### Document - Object

#### Simple HTML Page

This is a very simple HTML page. It's about as basic as they come. It has:

- An H1 Tag
- Two paragraphs
- An unordered list

```
<!DOCTYPE html>
<html>
<head>
<title>Simple Page</title>
</head>
<body>
<h1>Simple HTML Page</h1>
<p>This is a very simple HTML page.
It's about as basic as they come. It has:</p>
<ul>
<li>An H1 Tag</li>
<li>Two paragraphs</li>
<li>An unordered list</li>
</ul>
</body>
</html>
```

The slide also features a graphic of a blue box labeled "Document Object Model". The Meet interface includes a "REC" indicator, a list of participants, and a chat window.

## Explanation of HTML

REC Durgesh Vaishnav is presenting

People

Add people

- SHAH INCLAVY
- SHAH SAPAN
- SOLANKI JIGNESH
- SONI DARSHAN
- TARSHIKA DHOLARIYA
- VADADORIYA VISHV
- VANSIYA CHITRANJANSI...
- VASU BHIMANI

11:39 AM | Webinar on Web Development link

11:39 AM 12-Aug-21

### Explanation of jQuery

REC Durgesh Vaishnav is presenting

People

Add people

In call

- Anirudhda Nayak (You)
- AAYUSH GANDHI
- ACHARYA PRAYAG
- BODA ABHISHEK
- BOGHARA MITALI
- BORAH DEBASISH
- Dhaval Vaja

12:16 PM | Webinar on Web Development link

12:16 PM 12-Aug-21

### Hands on with Angular JS

REC Durgesh Vaishnav is presenting

People

Add people

In call

- Anirudhda Nayak (You)
- AAYUSH GANDHI
- BODA ABHISHEK
- BOGHARA MITALI
- BORAH DEBASISH
- Dhaval Vaja
- DHRUVIKA GONDALIYA

12:27 PM | Webinar on Web Development link

12:27 PM 12-Aug-21

### Core Components of Web App.

