

# DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by A.I.C.T.E., New Delhi & Affiliated to JNTU, Kakinada)

NAAC Accredited Institute

An ISO 9001:2008; ISO 14001:2004 & OHSAS 18001:2007 Certified Institution

NH-5, Anakapalle – 531002, Visakhapatnam, A.P.

Phone: 08924-221111 / 221122/9963981111, e-mail: [info@diat.edu.in](mailto:info@diat.edu.in)



**Andhra Pradesh State Skill Development Corporation**

(Department of Skill Development, Entrepreneurship & Innovation, Govt. of Andhra Pradesh)



## **SIX DAY WORKSHOP ON Web Designing Using ReactJS** (26<sup>th</sup> April – 01<sup>st</sup> May 2021)

**Organized  
by**

**Department of Computer Science & Engineering**

*In Association with Andhra Pradesh State Skill Development Corporation*

### **Report on Web Designing Using ReactJS**

#### **About Workshop:**

In pursuit of excellence in Technical education Dadi Institute of Engineering & Technology, Visakhapatnam in association with Andhra Pradesh State Skill Development Corporation organized a six day Workshop on **Web Designing Using ReactJS** for the Fourth B.Tech-CSE Students of Department Computer Science & Engineering on Fundamentals during 26<sup>th</sup> April, 2021 to 01<sup>st</sup> May 2021. The Workshop aims to enhance and strengthen the skills among the students on Web Designing Using ReactJS. In order to give hands on based exposure on Web Site designing, this workshop have organized for six days in Association with APSSDC. As everyone knows that Web Designing playing an important role in the present software industry. There are lot of study works and project works going on this concept. Students have a wide scope of opportunities in the **Web Designing**. The participants were very much satisfied with the workshop.

#### **Andhra Pradesh State Skill Development Corporation:**

Andhra Pradesh State Skill Development Corporation provides specialized training to the Students of Polytechnic, Engineering colleges etc., in various disciplines in different courses by conducting six day Workshops.



**APSSDC**  
**Andhra Pradesh State Skill Development Corporation**  
(Department of Skills Development & Training, Govt of Andhra Pradesh)

**6 - Days Workshop**  
**On**

**Web Designing Using ReactJS**

**from 26-04-2021 to 01-05-2021**

**Venue:**  
**Dadi Institute of Engineering & Technology**  
National Highway 5, Anakapalle, Visakhapatnam, Andhra Pradesh 531002

### **Introduction**

Web Designing becoming popular day by day. Web Designing applications are changing at rapid speed. Everyone owns a smartphone and web browsers are shall be compatible on all devices and do a lot of things with the help of their smartphones such as making payments, ordering groceries, playing games, chatting with friends and colleagues etc .

There is huge demand in the market for Web Developers. It's Google's CEO Sundar Pichai's initiative to train 2 Million people to become web developers as this platform has a huge need

In view of this scenario and keeping industry needs in mind, APSSDC is offering an “**Designing Using ReactJS**” so that the faculty/students across engineering colleges in the state of Andhra Pradesh gain App Development knowledge.

The duration of this workshop will be six consecutive days, with eight hours session each day in a total of 48hours, properly divided into theory and hand on practical sessions.



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NAAC ACCREDITED INSTITUTE  
NH-16, Anakapalle – 531002, Visakhapatnam, A.P.  
www.diet.edu.in, E-mail: [info@diet.edu.in](mailto:info@diet.edu.in)



## **Department of Computer Science & Engineering**

*Cordially invite you to attend the Inaugural Function of*

### **One Week Online Workshop**

On

# **“Web Designing Using ReactJS”**

**(26<sup>th</sup> Apr 2021 – 01<sup>st</sup> May 2021)**



**In Association with  
Andhra Pradesh State Skill Development Corporation  
(APSSDC)**

**On 26<sup>th</sup> Apr 2021 (Monday) at 9.30am**

**Venue:  
Online Platform (Gotomeetings)**

*With Best Compliments:*

**Dr.K. Sujatha**  
**Dy-HoD-CSE & Dean R&D**

**Dr. Ch. Narasimham**  
**PRINCIPAL**

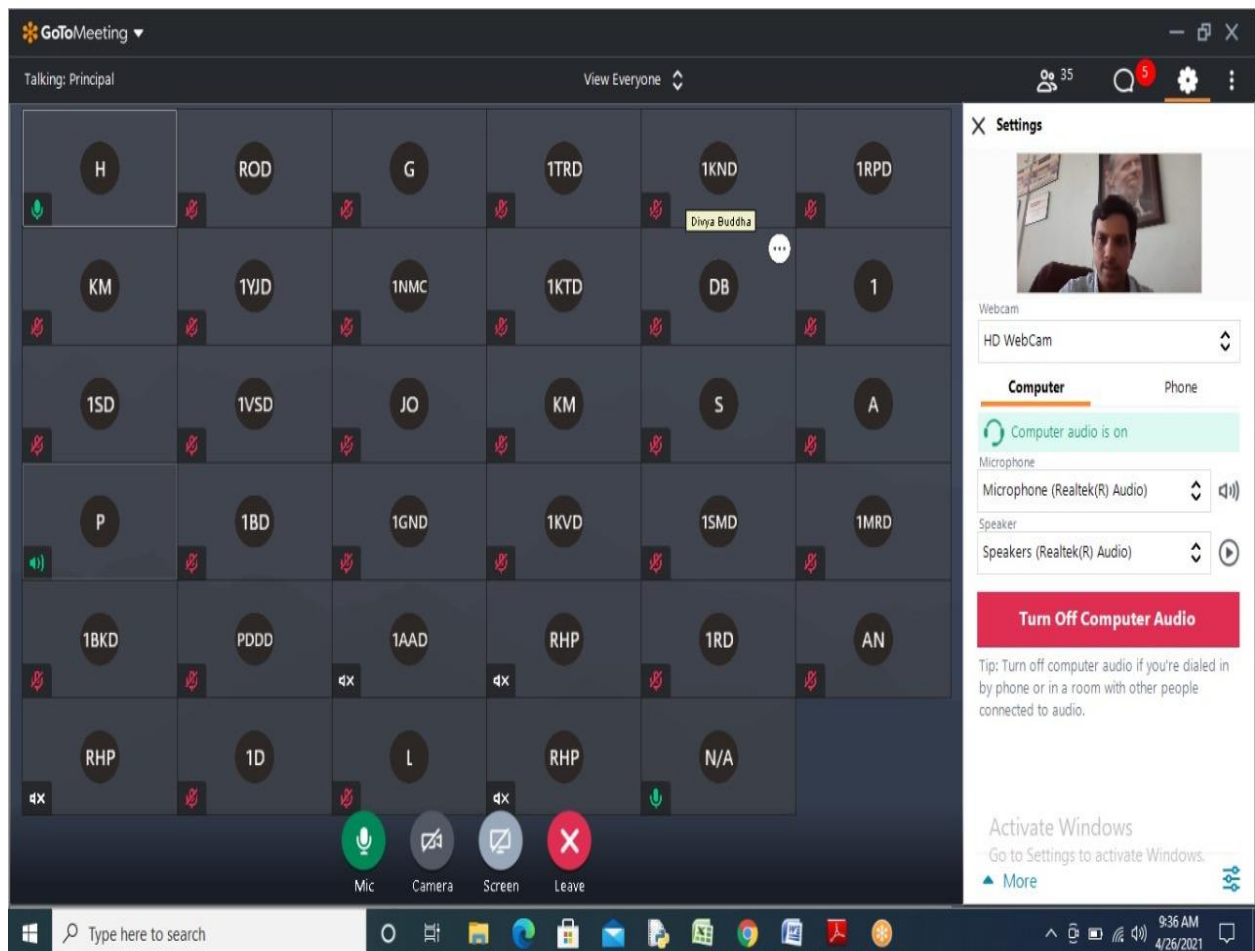
**Dr. L. Prasanna Kumar**  
**HoD-CSE**

**Sri Dadi Ratnakar**  
**CHAIRMAN**

## Inauguration

The inauguration of the Workshop was held on Virtual Mode using Google Meet. (, DIET Campus on 26-04-2021 at 9.30 AM. The dignitaries of the Inaugural Function included Dr. Ch. Narsimham , Principal, Dr.L.Prasanna Kumar, HOD CSE, HOD's of other departments and Trainers from APSSDC , other faculty members and 100 participants attended in the inaugural function. Dr.L.Prasanna Kumar addressed **Web Designing Using ReactJS** Workshop provides participants technical training on the concepts and programming methodologies needed to develop applications for mobile devices.

Participants will learn to use different handson tools for Web Designing. Instruction is aided with live projects which will allow students to grasp concepts of the complete Web application development life-cycle.



Dr.L.Prasanna Kumar HOD of CSE ,addressing the gathering at the Ssix day workshop on



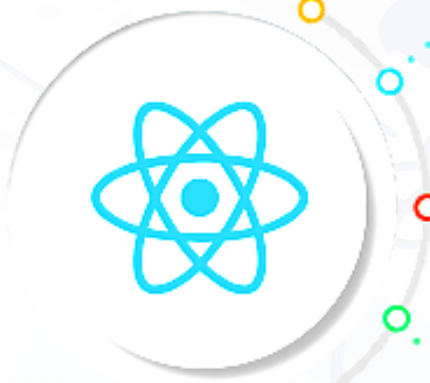


# APSSDC

Andhra Pradesh State Skill Development Corporation  
(Department of Skills Development & Training, Govt of Andhra Pradesh)



# Web Designing Using ReactJS



 Concept

 Learning Curve

 Size

 Performance

 Debugging



## **Introduction :**

Web design is the buzz word nowadays. It is for presenting information on a web page by implementing various animations and graphical representations. Typically, it refers to the Hypertext Markup Language (**HTML**), Cascading Style Sheets (**CSS**), JavaScript portion of website production as opposed to the database or server-side programming, and **ReactJS** for building UI components along with the features like performance, simplicity, and data binding.

## **Course overview :**

The Web Designing with React is an online course from **APSSDC** to advance you with the latest web designing trends alongside the hottest technology that is simple and easy to learn. This course will start with training you in designing basic web pages, creating user-friendly website pages, styling, and animations for the web pages, and to make you an expert front-end web developer. From this course, you will learn the concepts of **HTML**, **CSS**, **JavaScript**, **Bootstrap**, and **ReactJS**.

## **Hardware Requirements:**

- i3 or above Processor is required
- 4 GB RAM is recommended
- Good Internet Connectivity
- Microphone and Speakers facility for Offline training program.

## **Duration :**

- 36 Hours (6 hours each day X 6 days)

## **Course Objectives :**

- To enable to implement single page applications in React
- To enable to use various React features including components and forms
- To enable to implement a functional front-end web application using React
- To enable to use Reactstrap for designing responsive React applications

## **Eligibility Requirements :**

- Faculty/Students attending this **FDP/STP** should have a basic knowledge in **Web Technologies & Programmatically Knowledge**.

## **Mode of Training :**

- Offline (Completely Hands on Training)



### Course Content:

#### 1. Git & Github

#### 2. HTML5 & CSS3:

- a. Introduction to web design and development
- b. Introduction to HTML5
  - i. HTML tags
- c. Introduction to CSS3
  - i. Types of CSS
  - ii. Applying into UI
- d. Basic web app using HTML5 and CSS3
- e. Flexboxes
- f. Media queries
- g. Practical exposure on flexboxes and media queries

#### 3. Bootstrap:

- a. Introduction & features
- b. Basic components
- c. Grid systems
- d. Cards
- e. Tables
- f. Modals

#### 4. JavaScript:

- a. Introduction to Javascript
- b. DOM manipulations
- c. Parsing JSON data using JavaScript (Ajax and fetch API)
- d. ES6 fundamentals
- e. Building of application using DOM manipulations
- f. Object Oriented Programming

#### 5. Working with Web Server (Google Chrome):

- a. Introduction to Web Server
- b. Install Web Server
- c. Uses of Web Server
- d. Auditing of web sites

#### 6. React JS:

- a. Installation procedure
- b. File structure of React Js
- c. Executing react app with node server
- d. JSX
- e. Introduction to JSX
- f. Components:
  - i. Introduction to components
  - ii. Kinds of components
  - iii. Composition
- g. Styling React Components
- h. React DOM
- i. Props
- j. States
- k. Routing in React & Classes in react-router-dom
- l. Navigation using react-router-dom
- m. Rendering JSON using React JS

#### 7. Introduction to React HOOKS

- a. Use State or Use Effect
- b. Component lifecycle methods - theory

#### 8. Redux:

- a. Introduction to Redux