



Hope Foundation's

International Institute of Information Technology (I²IT)

Hinjawadi, Pune- 411057

Department of Electronics & Telecommunication

Activity Report

“Alumni Interaction/Activity on Front end development using React”

Academic Year: 2020-21

Semester: I

Name of Event: Alumni Interaction/Activity

Date of Conduction: 05/10/2020 to 09/10/2020 .

Time: 3.30 pm to 4.30pm

Targeted Audience: SE E&TC, TE E&TC, BE E&TC Students

Number of Participants: 140

Venue: Google Meet

Topic: “Front end development using React”

Resource Person: Nikhil kothari

Coordinator: Prof. Sujata Virulkar

Objectives :

- 1) Student will explores Javascript based front-end application development, and in particular the React library (Currently Ver. 16.3).
- 2) Students will also get an introduction to the use of Reactstrap for Bootstrap 4-based responsive UI design.
- 3) Students will be introduced to various aspects of React components.

Outcomes:

- 1) Students will be familiar with client-side Javascript application development and the React library.
- 2) Students will be able to implement single page applications in React.
- 3) Students will be able to use various React features including components and forms

Activity Description:

This course explores Javascript based front-end application development, and in particular the React library (Currently Ver. 16.3). This course will use JavaScript ES6 for developing React application. You will also get an introduction to the use of Reactstrap for Bootstrap 4-based responsive UI design. You will be introduced to various aspects of React components. You will learn about React router and its use in developing single-page applications. You will also learn about designing controlled forms. You will be introduced to the Flux architecture and Redux. You will explore various aspects of Redux and use it to develop React-Redux powered applications. You will then learn to use Fetch for client-server communication and the use of REST API on the server side. A quick tour through React animation support and testing rounds off the course. You must have preferably completed the previous course in the specialization on Bootstrap 4, or have a working knowledge of Bootstrap 4 to be able to navigate this course. Also a good working knowledge of JavaScript, especially ES 5 is strongly recommended.

Event Photos:

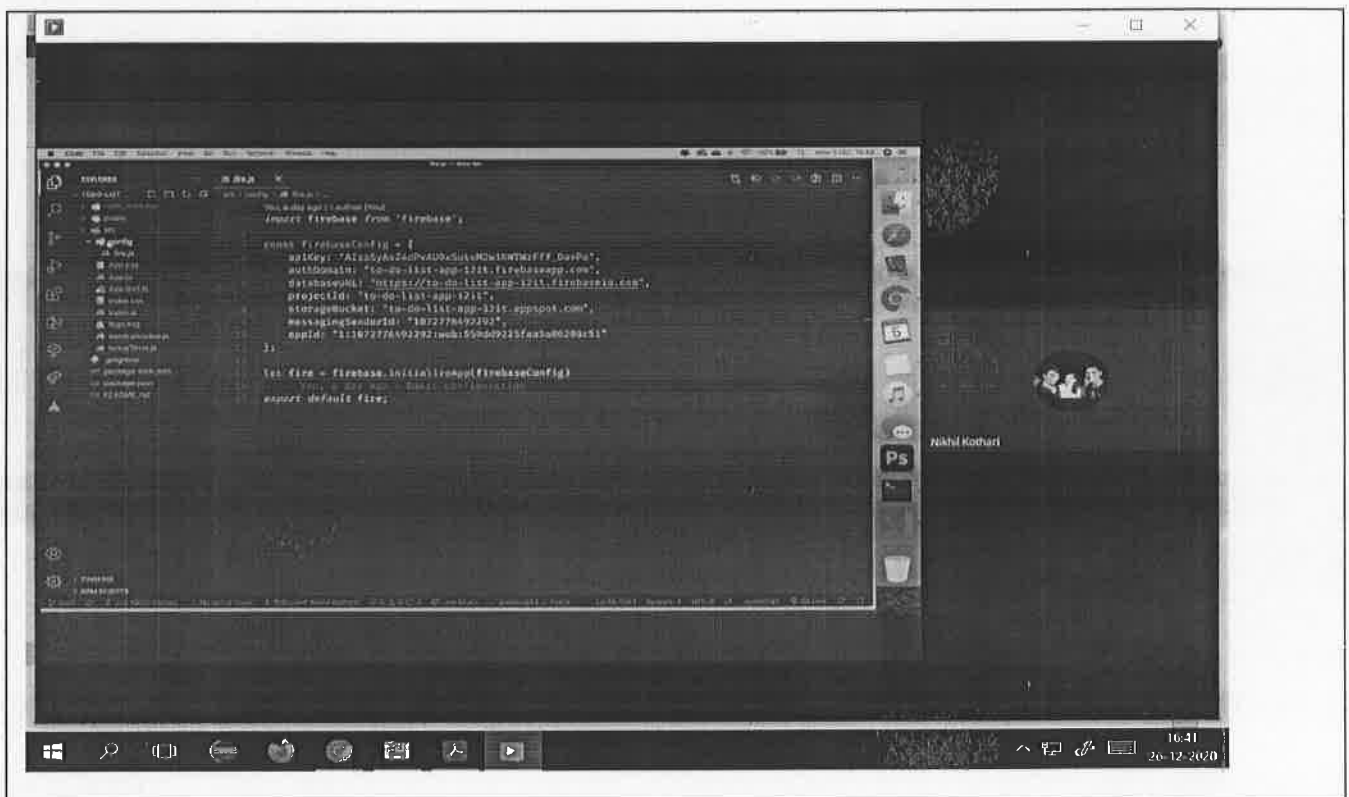


Image 1: Intoduction to Front End Development using React

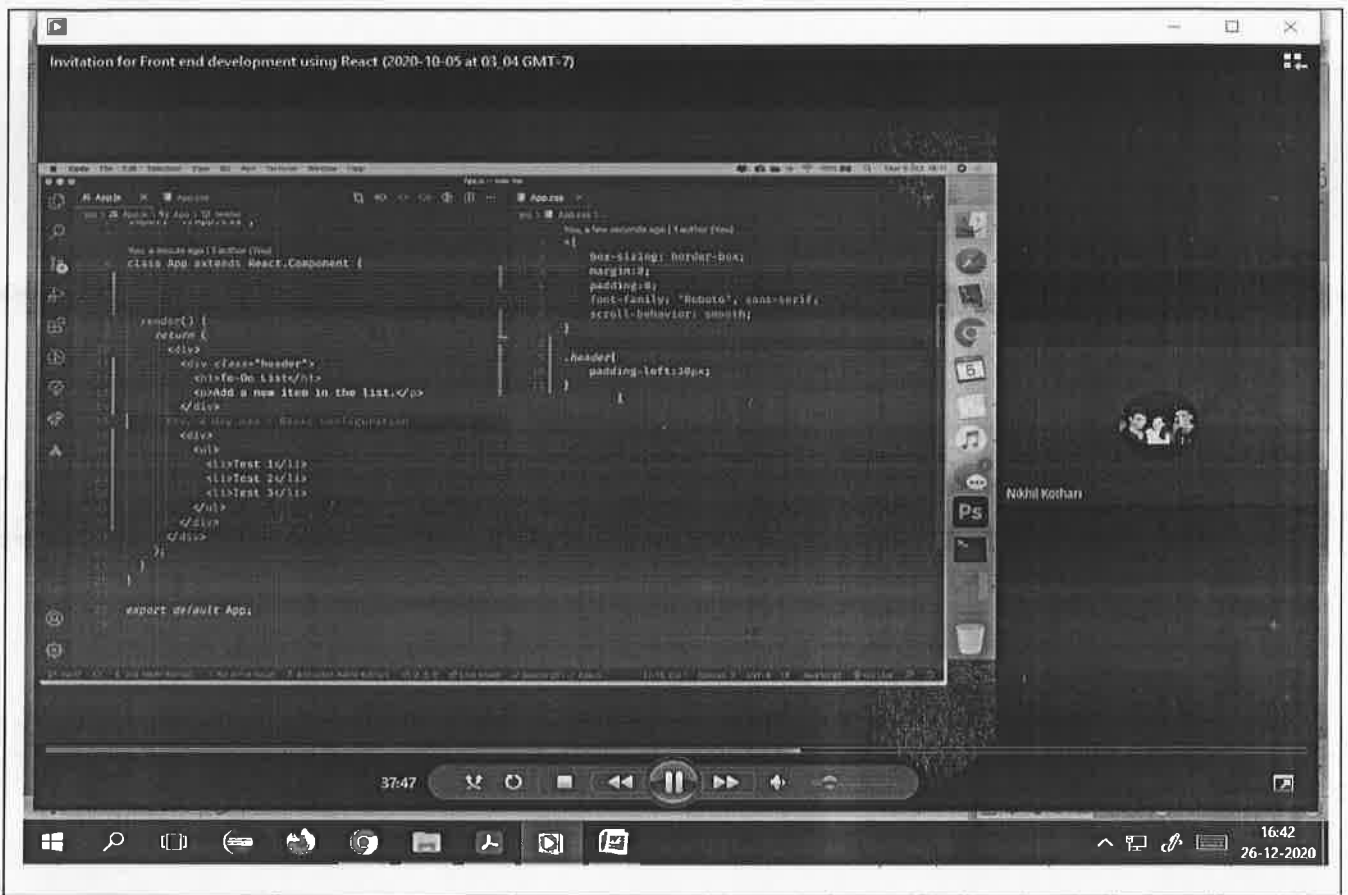


Image 2: Introduction to various aspects of React components

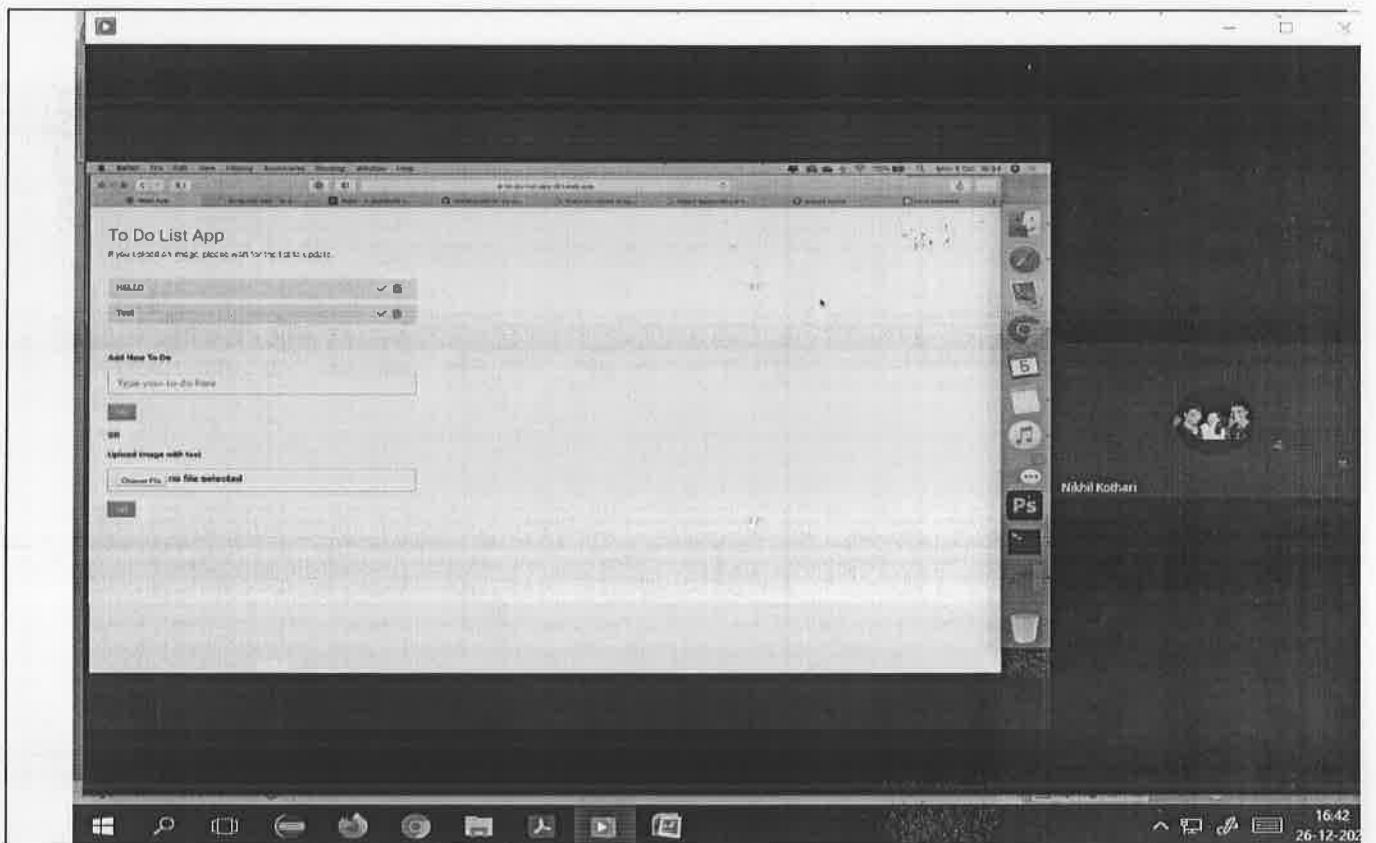


Image 3: How to create To-Do list App