Workshop on
Web Development Boot camp

Date: 08th – 20th July, 2022.

Nature of the Program: A 15-day online workshop

Resource Person: Mr. Uppudundla Sai Ram, Entrepreneur | Speaker |

Trainer, Founder & CEO at Codegnan IT Solutions.

No of Participants: 75 (II B.Sc. (HONORS), II MSCS, II PMSC)

Description of the Program:

A 15-Days Online Workshop started with "**Introduction to Web Development Boot Camp**" due to popular careers in recent years. Earlier, new application development involved only two kinds of specialists—one for the front end and the other for the back end. Today, however, the lines are blurred between the two. Web developers who have the expertise to work with both the front and back end of a website or app are increasingly in demand to complete web or app projects. For this reason, it is an immersive and accelerated training workshop which help our students to learn several front-end to back-end programming/scripting languages such as Python, JavaScript, HTML, and React. The Resource Person stated that Full Stack **Applications (frontend + backend) with React Node MySQL** is very popular along with the webpage development.

The Resource Person explained how to integrate small topics that were learnt in an outline and use the different applications like **Firebase, NodeJS**. He further discussed creating navigation menu and tables using **SQL**, add routing to our **React App**, sorting features without using any third party add modal pop-up window with the help of drop downs and date pickers, functionality to add and upload profile picture and how to store it in the backend server. He also trained on the concept of custom filtering and packages.

He also added that a data scientist must be able to do the following:

- ✓ Introduction to Front-end & Back-end Development, SQL, HTML
- ✓ Introduction to JSON
- ✓ Basics of ReactJS, DOM
- ✓ MY SQL and Introduction about databases

- ✓ Creating tables in database with constraints
- ✓ Creating applications on NodeJS platform

By the end of the Session, students learnt the following:

- ✓ Identifying the problem
- ✓ Problem Solving
- ✓ Creating applications on different platforms
- ✓ Front end development of an application
- ✓ Back-end development of an application