

Community Learning Bootcamp

Event: The "Community Learning Bootcamp" for Web Development with a duration of 30 hours was curated for students to acquire the necessary skills and knowledge to excel in the field, whether they were looking to build their own projects, secure internships, or succeed in campus placements.

Date: 16th January, 2023 onwards

Time: 8:00pm - 10:00 pm

Mode: Google meet

Duration of the bootcamp: 30 hours

Conducted by: Om Jannu, Anushka Engavle, Aniket Parate

Coordinator: CSI Team, DBIT

Collaboration with: Student Council



About Our Event:

Brief description:

The "Community Learning Bootcamp" for Web Development, organized in collaboration with the Student Council, was a highly informative and hands-on program aimed at preparing students for the ever-evolving industry standards, college mini-projects, and campus placements.

Led by a team of three dedicated interns and supported by the planning and execution by the CSI team, this bootcamp was thoughtfully designed to provide participants with a comprehensive understanding of web development. It was structured into two distinct tracks: front-end and back-end development, ensuring that attendees gained a well-rounded skill set.

Throughout the bootcamp, clear and concise explanations were provided for each concept, ensuring that even beginners could grasp the fundamentals. Additionally, practical tasks were assigned to participants, allowing them to apply their newfound knowledge in real-world scenarios. This hands-on approach not only enhanced their learning experience but also equipped them with practical skills that are invaluable in the field of web development.

Category: Bootcamp

Number of participants who registered: 19

Reasons why we chose this event:

The purpose of selecting "Web Development" as the focal theme for the "Community Learning Bootcamp" stemmed from its contemporary relevance in the digital world, promising career prospects, alignment with ever-evolving industry standards, and the imperative for hands-on learning. This choice empowered students to tackle college mini-projects with confidence and gain a competitive edge in campus placements. Furthermore, web development skills offered versatility across diverse domains, ranging from personal projects to

e-commerce platforms, making it a pivotal skill set for students pursuing various career paths.

Registration fee: 200

How was it conducted?

Throughout the "Community Learning Bootcamp," various topics were covered over a series of sessions. The number of participants varied for each session, and the duration of each meeting is indicated below:

- Introduction to GitHub (2hrs): In this session, with 17 participants, students were introduced to the basics of GitHub and GitHub Desktop. They were given an assignment to fork a repository and create a pull request.
- HTML Syntax and Basic HTML Tags (2 hrs): With a focus on the fundamentals of HTML, this session involved 17 participants. The assignment required students to create an HTML page incorporating headings, paragraphs, lists, and image tags.
- CSS Basics and Properties (2 hrs): This session, attended by 10 participants, delved into CSS and its essential properties. Students were tasked with constructing a component library structure, incorporating properties like colors, background colors, and fonts.
- Hosting the Component Library (2 hrs): Building upon the previous CSS session, this session involved 12 participants. It focused on hosting the component library and expanding their CSS skills.
- Basic JavaScript Introduction (2hrs): With 12 participants, this session introduced the basics of JavaScript, including concepts like if statements, loops, and conditions.
- Basic JavaScript Programming (2 hrs): In this session, attended by 12 participants, students delved deeper into JavaScript programming. The session covered events and involved building a basic calculator.
- JavaScript Project (2hrs): With 4 participants, this session focused on building a calculator project with styling, applying the knowledge gained in the previous JavaScript sessions.
- MYSQL (4 hrs): This session began with the installation of XAMPP and continued with comprehensive coverage of MySQL. Topics included the creation of database tables, data insertion, deletion, updating records, and the utilization of SQL clauses for data retrieval.

- Node.js & Express (6 hrs): The Node.js and Express session introduced students to server-side development. It encompassed an introduction to Node.js, covering installation and setup, the use of Npm for package management, file system operations, making HTTP requests, and an in-depth exploration of the Express framework.

Activities and tasks provided:

- Creating Server with Express (2 hrs): This initial task involves setting up an Express application and configuring a server to handle incoming requests. It includes the installation of necessary packages like Express itself and additional tools like Nodemon for automatic server restarting during development.
- Forms and Data Retrieval (1 hr): Building forms and fetching their data, particularly related to email handling. This includes designing the forms, handling POST requests, and validating and processing the data.
- Component Library (1 hr): Creating a component library with HTML components involves designing and structuring reusable HTML templates or elements.
- Fetching API Data (1 hr): To understand API integration and data retrieval. This allows for setting up API requests, handling responses, and displaying data on the server.
- QR Code Generator (1 hr): Building a QR code generator is a practical project. This includes implementing the logic for QR code generation and integrating it into the server.

Overall, the bootcamp sessions were structured to gradually introduce participants to essential web development tools and technologies, from version control with GitHub to HTML, CSS, and JavaScript. Assignments and activities were provided to reinforce learning and practical application of the topics covered in each session. This structured approach aimed to equip participants with a strong foundation in web development.

Repository along with activities designed by the interns:

https://github.com/Om-jannu/dbit_community_learning_2023

Website for the activities: <https://dbit-bootcamp-2023-js.netlify.app/>

Video Recording Links : [Community learning Meet Recording Links - By CSI](#)

Volunteers: Entire CSI core team

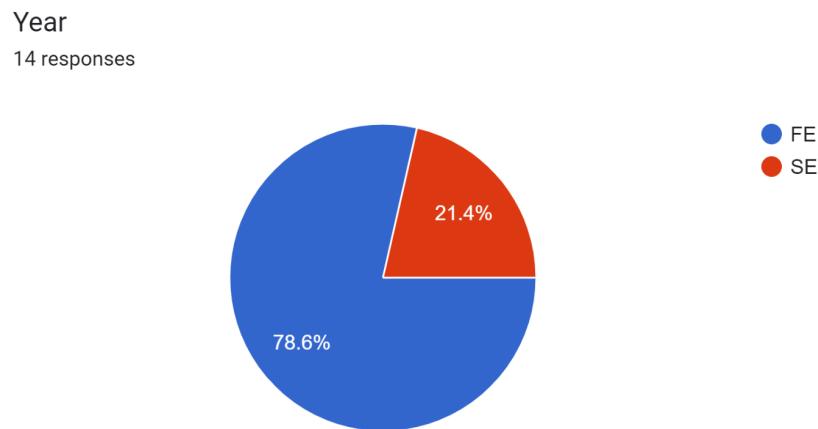
Materials required: Laptops

Participation Certificate Criteria:

In accordance with the criteria specified, the following students, who achieved a score of 60% or above in the course, are eligible for certificates:

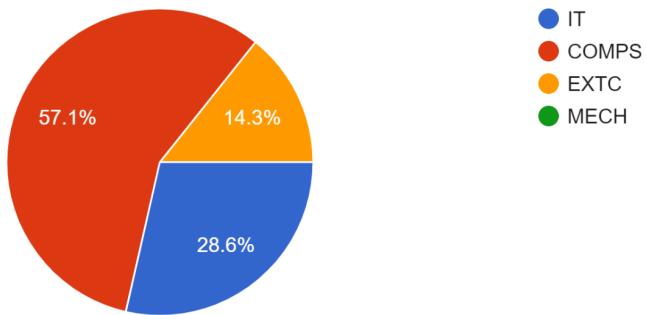
- Joshua Adrian Bara
- Syed Mohammed Fauzan Shakir Hussain
- Kartik Dileepkumar Dandelia
- David James Eluvathingal
- Amisha Verma
- Amogh Worlikar
- Sookret Ashok Kandpal

Feedback:



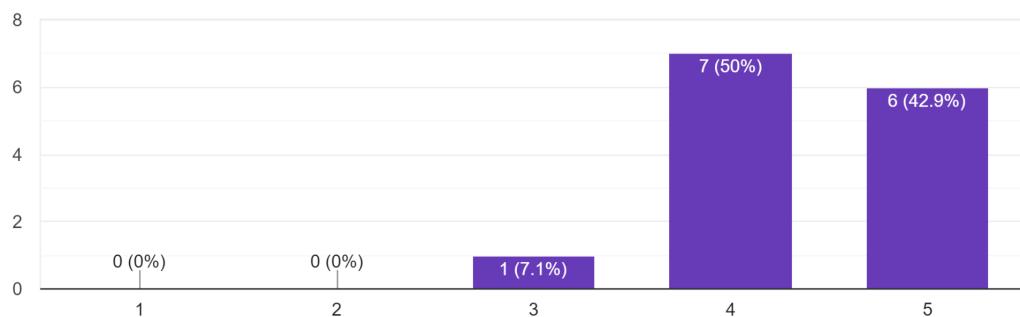
Branch

14 responses



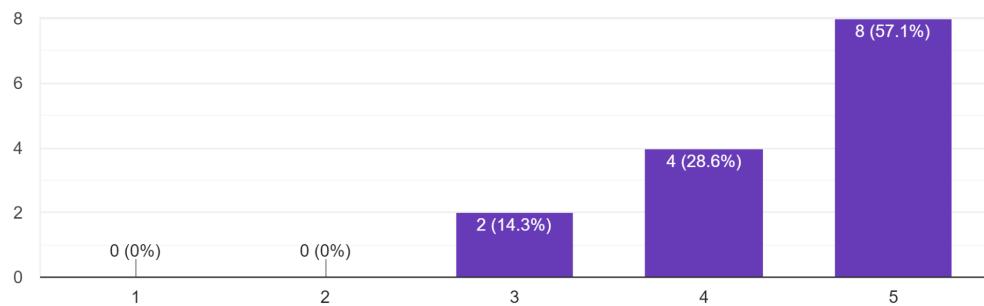
Rate the instructors for their preparedness in delivering the lectures

14 responses



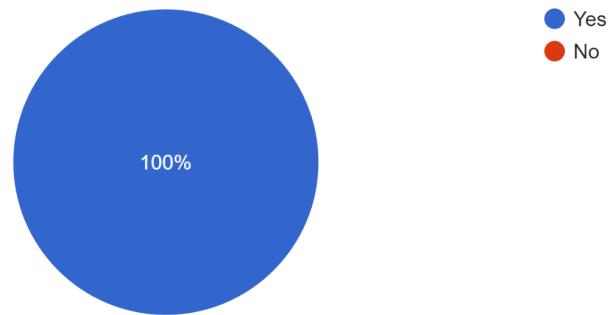
Rate the peer teachers wrt display of interest in helping the students to learn?

14 responses



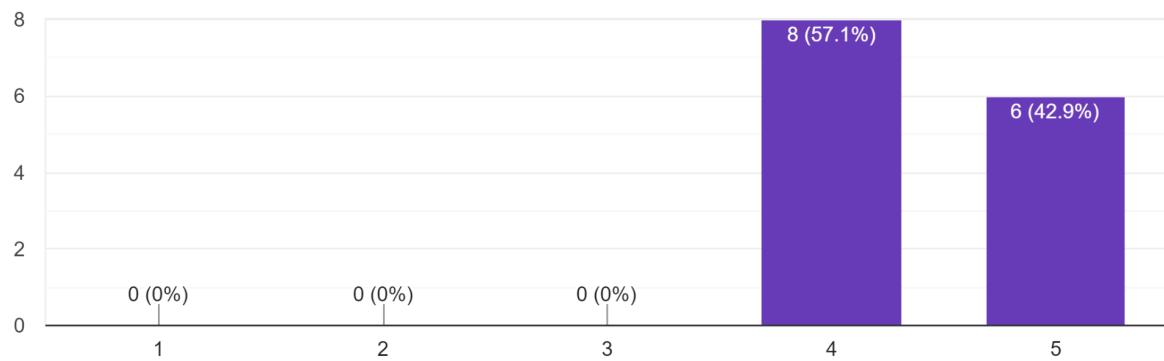
Were your doubts related to frontend solved?

14 responses



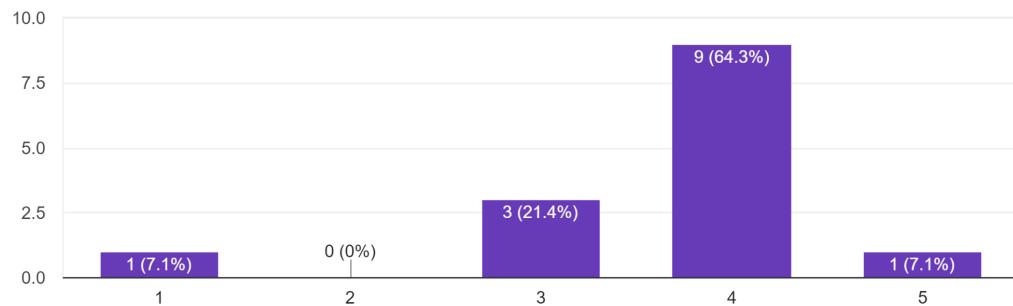
Are you confident about your skills with respect to the HTML language?

14 responses



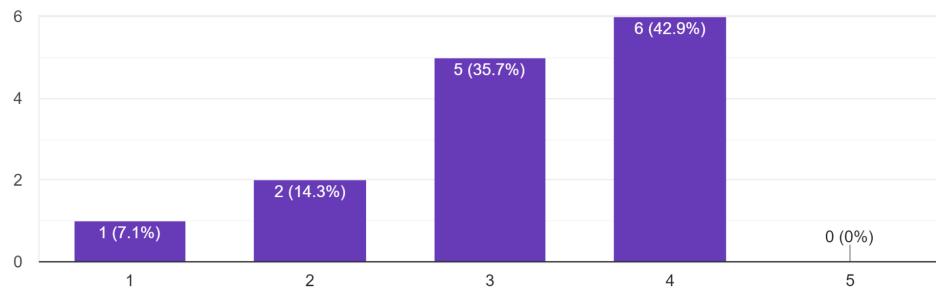
Are you confident about your skills with respect to the CSS language?

14 responses



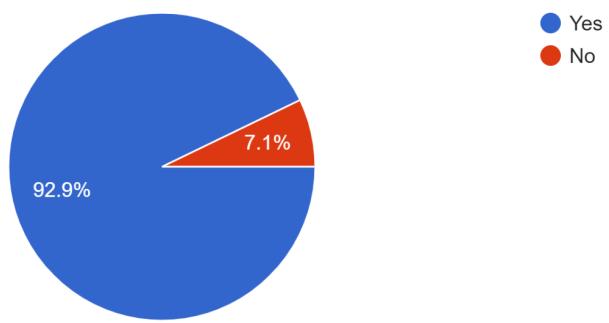
Are you confident about your skills with respect to the JavaScript language?

14 responses



Are you confident and interested to work in the Website Development Domain?

14 responses



Pictures:

