ST. XAVIER'S COLLEGE, MAPUSA GOA
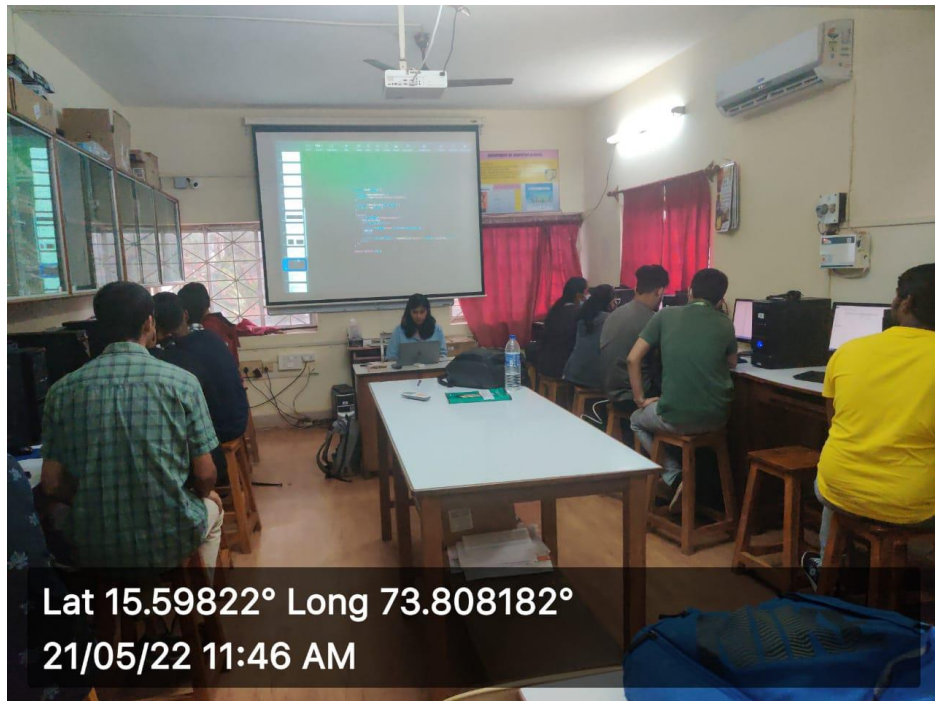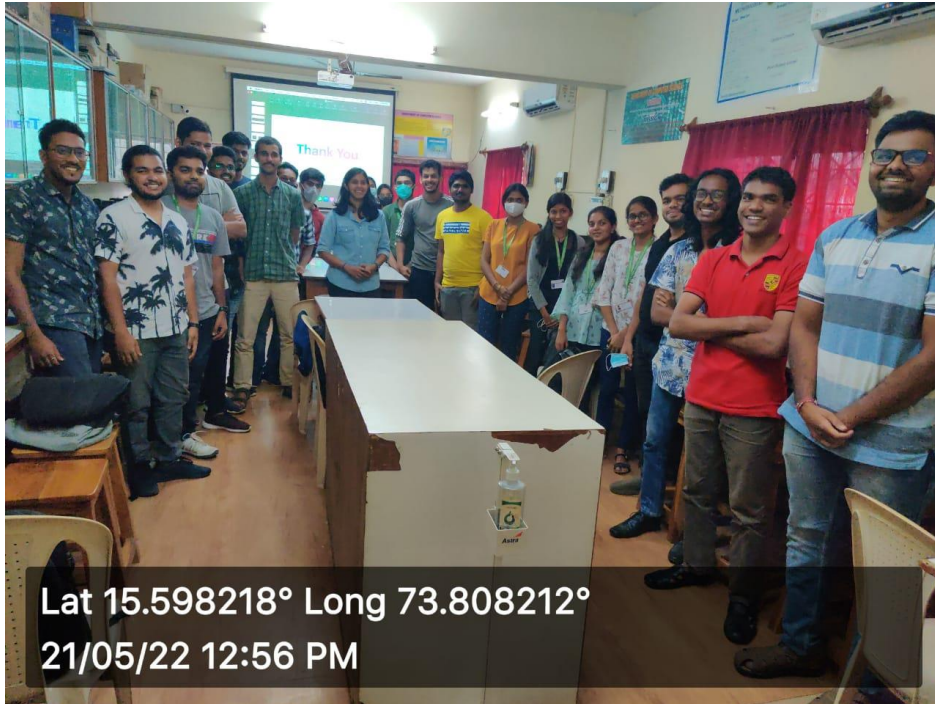
College with Potential for Excellence
Reaccredited by NAAC with A Grade
Awarded DBT STAR College Scheme

Nature of Event (Workshop, Guest Lecture, Add-on Course, Seminar, etc.)	Handson Series (Workshop)
Name of Department	Computer Science
Faculty In-Charge	Mr. Edwin D'Souza
Stratum of Event (College, State, Regional, National)	College
Title of Event	React Apps
Date of Event	21st May, 2022
Venue	Computer Science Lab St. Xavier's College, Mapusa
Resource Person details	Ms. Andrea Fernandes, Software Developer, VMWare, Bengluru.
Objective/Scope of Event	Write React Apps
Particulars of Event	The 5th session of the "Computer Science Alumni Hands-on Series" of the Department of Computer Science was on the topic "React Applications" and was held on 21st May, 2022. The resource person was Ms. Andrea Fernandes, Software Developer, VMWare, Bengaluru. The hands-on session was conducted in the Computer Science Laboratory. The session commenced at 11.00 am. With the resource person Mr. Andrea Fernandes briefly introducing "React.JS" the JavaScript Library for building User Interfaces: https://reactjs.org/, which runs on client side, maintained by Facebook. She briefly introduced Angular.JS, a Front-end framework, its inbuilt (routing etc) , typescript. She also introduced VUE.JS which is a mix of React and Angular and is backed up by VUE developer community. Next she explained HTML & CSS and JavaScript (ES6). In JavaScript ES6 she had hands-on session on, Let & Const, Arrow Functions, De-structuring, Spread operator, Array Methods - map(), filter(), classes and function in ES6. She shared the ES6 cheat sheet - http://www.developer-

	cheatsheets.com/es6 and explained the Package Manager - Node + NPM and Git.

Once done with the hands-on with JavaScript the resource person Andrea started with the development of the React Application. All participants were introduced to the Application which was to be done by them during the session. She explained the creation of class and function react components with hands-on the same. She explained the benefits and ease of using function based components in the development of apps and guided the students to complete a full fledged app using react.

The workshop ended with a question and answer session, where the resource person Ms. Andrea Fernandes answered. The vote of thanks was given by Mr. Jeswil D'Costa, Third Year B.Sc student of the college. |
| **Outcome of Event** | Participants are able to write React Apps |
| **Feedback** | Good. |

Total No. of Participants	24

Photographs :

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