Session - 3hrs	Topics	Minor Projects
S1	**HTML** - Tags, Semantic, Elements, anchor, iFrame, Video	Design a responsive and static web page for college fest.
S2	**HTML** - img, list, table, form, entities	
S3	**CSS** - Box Model, Selector, Combinators, Specificity, Units	
S4	**CSS** - Pseudo Classes, Pseudo Elements, Flex-box	
S5	**CSS** - Grid, Display, Position, Media Query, transition	
S6	**JavaScript** - Variables, Data types, Scope, Type coercion, Function, Conditonals, Object, Array, Window, DOM, Selectors	Design a dynamic JS powered web page that fetches data from a server and renders at the client side. For e.g. a web page that searches and displays deparmental data across a college
S7	**Javascript** - DOM Manipulation, Events, Form handling, First Class Citizen, Higher Order Function, Callbacks	
S8	**Javascript** - Asynchronous nature of javascript, setTimeout, Call Stack, Event Loop, Use Promise of Fetch API: then-catch	
S9	**Javascript** - Imp Array methods, Loops, Mutability, ES6 specific, Promise: Async-Await	
S10	**Backend** - Router, IP, Mac, Server, Client, Http/s, internet, isp, dns, bandwidth, throughput, latency, response time, Client Side Rendering, Server Side Rendering	Server Side Rendered Website to show Courses offered by the Institute and their information
S11	**NodeJS** - Installation, import-export, modules, npm, destructuring, stream, buffer, fs, http, nodemon, port, log file, url	
S12	**NodeJS** - Server Side Rendering (SSR) using fs and html template	
S13	**NodeJS** - Code refactoring, Basic Routing with if-else	
S14	**ExpressJS** - Basics, Routes, REST APIs	Backend of Institute's Library Management System
S15	**ExpressJS** - Middleware, Router, Morgan Middleware, Middleware Chaining	
S16	**MongoDB** - ATLAS, Compass, installation, Querying **Mongoose** - installation, connection, model, schema, MVC	
S17	**ExpressJS** + **MongoDB** : CRUD Ops	
S18	**ExpressJS** + **MongoDB** : Advance Querying, searching, sorting and pagination)	
S19	**ReactJS** : without JSX, Security, with CRE & CDN, JSX, Bundler (Parcel), React Element & Component	A react powered Frontend for Institute's Library Management System
S20	**ReactJS** : Component composition, styling, Handson, Props, Virtual DOM	
S21	**ReactJS** : Routing, Navigation and Query	
S22	**ReactJS** : State management using context API, secured routes	
S23	**ReactJS** + **ExpressJS** : Authentication (Bcrypt, JsonWebToken - JWT, Cross Origin Resource Sharing - CORS, Cookies, Local Storage)	
S24	**ReactJS** + **ExpressJS** : OTP Service using NodeMailer, Data handling and Security	
S25	**Deployment**: Seperately deploying the frontend and backend on diffierent hosts. Manging access credentials in the environment variable to secure them.	Deployment on Cloud

Capstone Project Ideas	
1	An application to run instant quizzes in classrooms of ABES
2	An application for admins to broadcast major notifications across a specific set of students
3	More ideas are welcome :)