

Career Bootcamp (9 Months course plan)			
DSA			
Lectures	Topics	Tentative Evaluation Schedule	Duration
Lecture - 1	Flowcharts and Pseudocode		
Lecture - 2	Proramming Fundamentals-I		
Lecture - 3	Proramming Fundamentals-II		
Lecture - 4	Arrays - 1		
Lecture - 5	Arrays and Functions		
Lecture - 6	Arrays and Functions-2		
Lecture - 7	Pointers		
Lecture - 8	Character Arrays and 2-D Arrays		
Lecture - 9	Array - 2		
Lecture - 10	Arrays - 3		
Lecture - 11	Arrays - 4		
Lecture - 12	Strings-1		
Lecture - 13	Sliding Window	Test - 1(Lec-1 till Lec-13)	3 hrs, 5 Questions
Lecture - 14	Recursion - 1		
Lecture - 15	Recursion Backtracking - 1		
Lecture - 16	Recursion Backtracking - 2		
Lecture - 17	Recursion on Matrix		
Lecture - 18	Complexities		
Lecture - 19	OOPS-1		
Lecture - 20	OOPS-2		
Lecture - 21	Linked List - 1		
Lecture - 22	Linked List - 2		
Lecture - 23	Stack and Queues		
Lecture - 24	Stack QPS		
Lecture - 25	Binary Trees - 1	Test - 2(Lec-14 till Lec-23)	3 hrs, 5 Questions
Lecture - 26	Binary Trees - 2		
Lecture - 27	Binary Search Trees - 1		
Lecture - 28	Binary Search Trees - 2		
Lecture - 29	Hashmaps - 1	Test - 3(Lec-24 till Lec-28)	3 hrs, 5 Questions
Lecture - 30	Hashmaps - 2		
Lecture - 31	Priority Queue - 1		
Lecture - 32	Priority Queue - 2		
Lecture - 33	DP - 1	Viva - 1(Lec-1 till Lec-32)	1 hour
Lecture - 34	DP - 2		
Lecture - 35	DP - 3		
Lecture - 36	DP - 4		
Lecture - 37	DP - 5		
Lecture - 38	DP - 6		
Lecture - 39	DP - 7	Test - 4(Lec-29 till Lec-39)	3 hrs, 5 Questions
Lecture - 40	Greedy Algorithms - 1		
Lecture - 41	Greedy Algorithms - 2		
Lecture - 42	Bitmasking - 1		
Lecture - 43	Bitmasking - 2		
Lecture - 44	Graphs-1		
Lecture - 45	Graphs-2		
Lecture - 46	Graphs-3		
Lecture - 47	Graphs-4	Test - 5(Lec-40 till Lec-46)	3 hrs, 5 Questions
Lecture - 48	Graphs-5		
Lecture - 49	Graphs-QPS-1		
Lecture - 50	Graphs-QPS-2		
Lecture - 51	Trie	Viva - 2(Lec-33 till Lec-50)	1 hour
Lecture - 52	Number Theory		
*Every Lecture is of 4-4.5 hours.		Test - 6(Entire Syllabus)	3 hrs, 5 Questions
Resume Building Class	Ensure every students resume is OK and can be forwarded to organisations.		
Mock Interview - 1	We will give students a score on which we can tell which companies he is eligible to sit for after Mock Interview - 1		
Mock Interview - 2	A student might ask for another Interview after sometime to get his skills checked again.		
Test Series(One Test Every Week)	Topics		
Test - 1	Complete Syllabus		
Test - 2	Complete Syllabus		
Test - 3	Complete Syllabus		
Test - 4	Complete Syllabus		
Test - 5	Complete Syllabus		
Test - 6	Complete Syllabus		
Test - 7	Complete Syllabus		
Test - 8	Complete Syllabus		
Web Dev Syllabus			
Lecture - 1	HTML5 - 1		
Lecture - 2	HTML5 - 2 and CSS - 1		
Lecture - 3	CSS-2		
Lecture - 4	CSS-3		
Lecture - 5	CSS - 4		
Lecture - 6	CSS - 5		
Lecture - 7	Bootstrap		
Lecture - 8	Basics of JavaScript - 1		
Lecture - 9	JavaScript - 2		
Lecture - 10	JavaScript - 3		
Lecture - 11	JavaScript - 4		
Lecture - 12	JavaScript - 5		

Lecture - 13	Dom Manipulation using JavaScript		
Lecture - 14	Project	Viva - 1(Lec-1 till Lec-14)	1 hour
Lecture - 15	JQuery		
Lecture - 16	AJAX and API's		
Lecture - 17	Learning Version Control system		
Lecture - 18	NodeJS - 1		
Lecture - 19	NodeJS - 2 (Creating Server with Express)		
Lecture - 20	SSR vs CSR Creating a Dynamic HTML with Templating		
Lecture - 21	Defining RESTful Routes		
Lecture - 22	MongoDB Database and Moongoose-ODM		
Lecture - 23	Putting it all together Mongoose with Express		
Lecture - 24	E-Commerce Site Project, Middlewares		
Lecture - 25	Data Relationship with Mongo, Adding Reviews Modal to our Products		
Lecture - 26	Adding client side and server side Validation to the E-Commerce Site		
Lecture - 27	Cookies, Restructuring and Adding Flash to our Shopping Cart		
Lecture - 28	Authentication from Scratch		
Lecture - 29	Adding Authentication to our Shopping Website using Passport JS Shoping Cart : Basic Authorization		
Lecture - 30	Shopping Cart : Refactoring Product Controller and Star Rating		
Lecture - 31	Shopping Cart: Styles Cleaning Up, Deplyment to Heroku		
Lecture - 32	Sockets	Viva - 2(Lec-15 till Lec-31)	1 hour
Lecture - 33	Database mySQL, Express JS with SQL and ORM		
Lecture - 34	Unit Testing	Hackathons - 1	2 Days
Lecture - 35	Introduction to React : JS FrontEnd Framework Working with Lists and Conditionals		
Lecture - 36	Styling React Components & Elements Diving Deeper into react components and React Internals		
Lecture - 37	Creating a TodoList Project Using React and using useEffect Hooke for side effect		
Lecture - 38	Forms and Form Validation Reaching out to the Web (Http/Ajax) Introduction to routing		
Lecture - 39	Multipage feeling in a Single Page App Using React Router, Starting with a Food Order App using MERN stack		
Lecture - 40	Understanding various UI libraries and frameworks for react, E.g : Material UI, Tailwind, React Bootstrap		
Lecture - 41	Learning all about Redux and Redux Toolkit		
Lecture - 42	Learning the React context API and adding a Global State to Food Order App,		
Lecture - 43	Starting with the Social Media App - MERN Project CodeAlong		
Lecture - 44	Social Media App - 2		
Lecture - 45	Social Media App - 3	Hackathons - 2	2 Days
Lecture - 46	Deploying MERN App		
		Viva - 3(Entire Syllabus)	1 Hour
Resume Building Class	Ensure every students resume is OK and can be forwarded to organisations.		
System Design Classes	HLD and LLD		
Non Coding Subjects	Operating Systems, Computer Networks, and DBMS		