

BOOUST - BATCH B CALENDAR

Monday, May 14

	WEEK	START	END	CODE	STATUS	TOPIC	OBJECTIVES	RESOURCES	POINTS
	0	Monday, May 14	Sunday, May 20	-	Compulsory	Orientation and contract signing	Explanation of the programme, review of contract.	[insert please]	0
H O M E S T U D Y	1	Monday, May 21	Sunday, May 27	T001	Compulsory	Computer Science, Engineering and Web Development Overview	What is Computer Science? Differentiating Between Computer Science and Computer Engineering Understanding the World Wide Web	Computers and The Web	100
						Algorithms and Data Structures	Understanding what and why Data Structures, Learning the Different Data Structures, and how they are used, Understanding What an Algorithm is, The Popular Categories of Algorithms, and Their Examples, The Algorithms used in Operating on Data Structures.	Algorithms And Data Structures	
	2	Monday, May 28	Sunday, Jun 3	T002	Compulsory	Web Development Introduction: HTML/CSS, JavaScript Fundamentals	Creating a simple HTML file and markup, Styling (in line) of HTML markup, Understand the fundamentals of JavaScript.	JavaScript & HTML Basics	
	3	Monday, Jun 4	Sunday, Jun 10	T003	Compulsory	Introduction to Version Control System: Git, GitHub and SourceTree	Understanding what and why Version Control, Using the basic Git commands (workflow), Creating a Git repository on GitLab, Pulling from, and pushing to a repository on Github, Contributing to an open source project, via forking and a pull request.	Version Control System	
	4	Monday, Jun 11	Sunday, Jun 17	T004	Compulsory	Introduction to Project Deployment and Hosting: Heroku	How to host a project online (Heroku), How to update an online project using Git.	Hosting With Heroku	
F	5	Monday, Jun 18	Sunday, Jun 24	T005	Compulsory	In-Depth HTML/CSS	Creating a standard HTML page, Styling the HTML markup, Additional knowledge of Git and Heroku.	HTML/CSS	40
				B005	Compulsory	An Introduction to Business: Basic Concepts	What is Business? What is a transaction? What is a Product/Service? Who are Customers? Who are Users?	Basic Concepts of Business	10
	6	Monday, Jun 25	Sunday, Jul 1	T006	Compulsory	External Styling of Multiple Pages, And Use of Bootstrap	Creating advanced HTML pages, Linking the pages together, Styling multiple HTML pages from a single css file, Using Bootstrap to style pages.	Styling With Bootstrap	30
				B006	Compulsory	Sizing & Quantifying Opportunity	Differentiating between customers and Users Understanding Demand & Supply Executing the concept of Minimum Viable Product Quantifying your market size	Sizing and Quantifying Opportunity	20
				E006	Compulsory	Etiquette in Business			0

U N D A M E N T A L S	7	Monday, Jul 2	Sunday, Jul 8	T007	Compulsory	Using a JavaScript Library: JQuery	Using JQuery to add animations to HTML pages, Implement event handling using JQuery, Validate user inputs in forms using JQuery, Hide / show page components using JQuery.	<u>JQuery</u>	30
				B007	Compulsory	The Business Environment	What Macro-Economics forces are PESTLE analysis and the factors that fall under PESTLE variables Ways that some of these factors can affect business.	<u>PESTEL Analysis</u>	20
				E007	Compulsory	Etiquette in Business			0
	8	Monday, Jul 9	Sunday, Jul 15	T008	Compulsory	Fundamentals of PHP I	PHP Overview. Data Types, Variables, Operators. Loops, Conditionals	<u>PHP Fundamentals I</u>	30
				B008	Compulsory	Business Modelling Introduction	Understand what a Business Model is. Understand use of Business Model Canvas Use a Business Model canvas in delivering value to customers in order to generate Revenue and Profit	<u>Business Modelling Intro</u>	20
				E008	Compulsory	Etiquette in Business			0
	9	Monday, Jul 16	Sunday, Jul 22	T009	Compulsory	Fundamentals of PHP II	File I/O, Form handling, Data Structures, OOP, Exception handling	<u>PHP Fundamentals II</u>	30
				B009	Compulsory	Business Structure	Importance of business registration Types of business structures and the implications The ideal business structure for your business	<u>Business Structure</u>	20
				E009	Compulsory	Etiquette in Business			0
	10	Monday, Jul 23	Sunday, Jul 29	T010	Compulsory	Database Fundamentals:	Understanding What is, and Why a Database. The various types of Database. SQL and writing Queries MySQL, and Using in a PHP Application	<u>Database Fundamentals</u>	30
				B010	Compulsory	The Value Chain	Understanding the important value drivers in your business Knowing which are the immediate areas to invest	<u>Value Chain</u>	20
				E010	Compulsory	Etiquette in Business			0
S	11	Monday, Jul 30	Sunday, Aug 5	TB11	Elective	In-depth Database: Database, and Query Optimization	Understand what is, and why optimization of database queries and tables, Creating optimized database tables, Writing optimized SQL queries, Write an application with an database optimized for performance.	<u>Database Optimization</u>	30
				TF11	Elective	Designing Responsive And Adaptive Web Pages.	Understand what is, and why Page Responsiveness and Adaptiveness, Creating responsive web pages for popular screen sizes, such as mobile, tablet, desktop, etc, Create web pages that adapt to popular web browsers, eg Chrome, Firefox, Opera, etc.	<u>Responsive Web Pages</u>	
				B011	Compulsory	Marketing And Launching	What marketing is about Marketing Channels The marketing mix How marketing messages are crafted	<u>Marketing And Launching</u>	20
				E011	Compulsory	Etiquette in Business			0
					TB12	Elective	In-depth Database: NoSQL (MongoDB) and PHP	Understand what is, and why NoSQL Database, Creating a MongoDB database. Connecting a PHP server side application to a MongoDB database.	<u>NoSQL Database</u>

SPECIALIZATIONS

12	Monday, Aug 6	Sunday, Aug 12	TF12	Elective	Consuming APIs Using JQuery AJAX	Understand what is, and how to use JQuery AJAX, Submitting forms using JQuery AJAX Understand what is, and why APIs, Consuming APIs on web pages, Loading data received from APIs, without page refresh, using JQuery AJAX,	APIs with JQuery AJAX	30
			B012	Compulsory	Introduction to Process And Project Management	Identifying what is "asked for" and what is "given" in a problem statement. Drawing free body diagrams Working out the details of a long problem by neatly working on and presenting the reasoning of the solution.	Intro To Process and PM	20
			E012	Compulsory	Etiquette in Business			0
13	Monday, Aug 13	Sunday, Aug 19	TB13	Elective	Writing APIs with PHP	Understand what is, and why APIs, Be able to write APIs for Client Side consumption, Be able to connect to a database using APIs.	APIs with PHP	30
			TF13	Elective	Introduction to Angular5	Understand what is, and why a Client Side JavaScript framework, Be able to use Angular on the client side of applications, Be able to create dynamic pages with Angular,	Angular 5	
			B013	Compulsory	Financial planning: Differentiating Finance & Accounts. Introduction to Financial statement	Differentiate between Finance & Accounts. Understand financial statements Understand the basics of Excel and how it can aid financial planning Comprehend financial statements (cash flow, income statement, balance sheet) Define key terms: credit, debit, liquidity, solvency, profit, loss, receivables, payables, obligation, asset, liability, break even	Financial Planning	20
			E013	Compulsory	Etiquette in Business			0
14	Monday, Aug 20	Sunday, Aug 26	TB14	Elective	Creating APIs Using Laravel Lumen Framework	Understand what a framework is, and why use a framework, Using Lumen to create an API server side, Creating API endpoints using Lumen, to be consumed on the client side	APIs with Lumen	30
			TF14	Elective	Angular 5 Single Page Application (SPA)	Understanding what is, and why SPA, Converting a multi page application to an SPA.	Angular SPAs	
			B014	Compulsory	Financial Planning 2 : Financial Statement And Terms.	Understand the basics of Financial projections and planning Deeper understanding of financial statements Define key terms: credit, debit, liquidity, solvency, profit, loss, receivables, payables, obligation, asset, liability, break even	Financial Planning 2	20
			E014	Compulsory	Etiquette in Business			0

PROJECT

15	Monday, Aug 27	Sunday, Sep 2	T015	Compulsory	Project	Pick a partner, decide on an idea, build it and deploy it. Status would be reviewed at the end of the week	Project	170
			B015	Compulsory	Basic Book Keeping	Use of the following tools to keep track of business finance: Excel - Accounting softwares (quickbooks, wave accounting etc.) - Banking platforms - A small notebook	Basic Book Keeping	30
			E015	Compulsory	Etiquette in Business			0
16	Monday, Sep 3	Sunday, Sep 9	T016	Elective	Project	Complete the project from last week. Add some polish to it. Present it at the end of the week.	Project	100
			B016	Compulsory	One Page Business Plan	Putting it all together from week 1 - 12	One Page Business Plan	100

MAX POINTS: 1,000

17	Monday, Sep 10	Sunday, Sep 16	2I01	Compulsory	Getting started at 2i Labs - I	Write your first "Investment White Paper" Preparing for first financial projections for a new venture Creating your first pitch deck	Lawpaid concept paper	0
18	Monday, Sep 17	Sunday, Sep 23	2I02	Compulsory	Getting started at 2i Labs - II	Creating for first architecture & storyboard Preparing landing page and logo Mocking up the end user experience	Lawpaid concept paper	0

Weekly **assignments** to be submitted latest on **Sundays** by Midnight

Assigned mentors will allocate **scores** on **Monday**

Trainees to attend **meetup** on **Tuesdays by 4PM** at Workstation to receive **briefing** of tasks for the new week. Also to observe the mentors do a **practical run through** of the assignments.

Trainees to attend **meetup** on **Thursdays by 4PM** at Workstation to receive **in-class lectures** on the **business and etiquette** tracks

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