ARMS INTERNSHIP PROGRAM

Week 1 (28th May – 1st June)		
	Front End Web Design and Development	Assumpta
	Graphics and User Interface Design - Creating of Visualizations using Photoshop and Prototyper	Assumpta
	HTML and CSS - HTML Syntax - Basic Elements, Advanced Elements - CSS Syntax	Assumpta
	Project 1: Mockup to Article	
Week 2 (4th June – 8th June)		
	Project 1: Presentations	
	Extra: Coding Principles - Faster Coding	Alvin
	Extra: Community - Slack - Trello	Alvin & Assumpta
	JavaScript: - Intro to JavaScript - Datatypes, Variables, Operators, Conditionals, Functions, Loops	Assumpta
	Assignment 1	
Week 3 (11th June – 15th June)		
	Assignment 1: Presentations	
	JavaScript - Arrays, Objects, DOM, $, Selectors - jQuery	Assumpta
	Project 2	
	Responsive Design	Assumpta
	Extra: Coding principles - Version Control	Alvin
Week 4 (18th June – 22nd June)		
	Project 2: Presentations	
	Introduction to Backend Development - Backend? - CLI and Terminal Overview - Databases & CRUD	Alvin
	Python Basics: - Installation/ Setup, - Numbers, Strings, Lists, Dictionaries, Tuples, Sets and Booleans - Exercise - Control Flow, Functions	Alvin

	Project 3: Simple Game	Alvin
Week 5 (25th June – 29th June)		
	Project 3: Presentations	
	Python Advanced - OOP Basics, Errors & Exceptions, Regular Expressions, Modules & Packages, Decorators, Name & Main, Python for File Systems - CSV & JSON	Alvin Alvin
	Project 4	
Week 6 (2nd July – 6th July)		
	Project 4: Presentations	
	Django Framework Basics - Setup, Django App, Views, Django Admin, URL Mappings, Templates, Exercise, Static Files, Model Administration	Alvin
	Django Advanced 1: - Django Auth, Social Auth, CBV	Alvin
	Assignment 2	
Week 7 (9th July – 13th July)		
	Assignment 2: Presentations	
	Django Advanced 2: - ORM, Forms, Django REST Framework - Deploying Django: Python Anywhere, Heroku, AWS, VPS with Digital Ocean	Alvin
	Project 5: Wrapping it All Up!	
Week 8 (16th July – 20th July)		
	Data Science Principles - Intro to data science and Machine Learning - Intro to neural networks - Let's build a Simple AI	Alvin K & Alvin A
	Virtual Learning and VR	
	IoT and Web development - The Internet of Things - Demo with Web - The Future of Web in IoT	Alvin
	Project Management - Principles of Project Management in Software Dev - Guest Speaker	Alvin K & Brian T
Week 9 (23rd July – 27th July)		
	Project 5 Presentations	
	Closing Ceremony	