

B. Tech 2020 - 2024 INT200 INTERNSHIP: WORK PLAN JUNE 2021 - WEB DEVELOPMENT (FRONTEND and BACKEND)							
Technical Mentor : Dr. G. Jayanthi.							
Date	Module	Tasks	Description and References	Product	Documentation	Duration	
17-Jun-21	Web Development -Basic Features		Work plan June 2021 : Week 1 and 2	Deploy the project in GITHUB repository	Site Map for the Website		
	Content Development	Frontend UI development and Organising the contents of individual pages	Site Map		Code for individual pages		
		Review of Individual page contents	Block diagram (Bootstrap Grid System) and Page specification		Screenshots		
		Unit testing - UI designs	Requirement Specification and SiteMap	Review reports : Software bugs, errors, Debugging and versions	Project Report : Review and Correction		
			HTML DOM structure				
18-Jun-21	Development of Frontend Components using Angular Framework						Week-3
	Software Installation	npm installations node.js, TypeScript, Angular CLI			Installation steps		
	Pre-requisites	ng commands			ng commands for reference		
	Run ng serve Development server for Angular Project	Developing child components for navigation and routing the pages	Block diagram (Bootstrap Grid System) and Page specification	HTML DOM Structure	Description with code and Screen shots		
		Integration of Bootstrap into Angular Project					
	19-Jun-21	Angular Components	Structural Directives : *ngFor,*ngIf, *ngIf then else, *ngIfElse, ngSwitch	Coding the UI controls, show and hide child components		Deploy the project in GITHUB repository	
	20-Jun-21						
21-Jun-21							
22-Jun-21	Attribute Directives : ngClass, ngStyle						Apply styles and features to components
23-Jun-21	Custom Directives						
24-Jun-21	Data flows : Static and Dynamic binding	ngModel: Binding data and property with views	Data flow : One way binding	Responsive web pages deployable in GITHUB repository	Description with code and Screen shots	Week-4	
25-Jun-21		Enhancing the functionalites of views	Coding reusable components with header and footer pages				
26-Jun-21	Authentication	auth module : Develop UI for authentication and code the forms for authorising users	UI Design: Authenticating users using Forms in Angular				
27-Jun-21							
28-Jun-21		Register, SignUp, SignIn, Reset account/password					
29-Jun-21		Integration testing: Frontend components					Integration of auth module with home page
30-Jun-21	Pre-requisites for Backend Development: Tutorials and references		Software requirements and Installation		Installation Steps		
Important Note:							
1. As of 16-JUN-21, Individual page contents with routing and navigation design must be ready to continue with tasks in 3rd and 4th week.							
2. Developer resources will be shared in the INT200 telegram group as per the schedule.							
3. Authentication module is suggested for every project. Also, code the necessary forms for signup(Register), signin, reset password.							
4. The prerequisites for backend development is required for completing the tasks in July 2021.							