Tueinen Nema								
Trainer Name								
Author	Hafiz Muhammad Rizwan							
	Muhammad Hameez Khan (CEO Kodeswift)							
Course Title								
	Python/ Django + Angular							
Objectives and Expectations	Employable skills and hands-on practice in Python/ Django + Angular							
Lxpectations	This is a special course designed to address unemployment in the youth. The							
	course aims to achieve the above objective through hands on practical training delivery by a team of dedicated professionals having rich market/work experience. This course is therefore not just for developing a theoretical understanding/back ground of the trainees. Contrary to that, it is primarily aimed at equipping the trainees to perform commercially in a market space in independent capacity or as a member of a team.							
	The course therefore is designed to impart not only technical skills but also soft skills (i.e. interpersonal/communication skills; personal grooming of the trainees etc.) as well as entrepreneurial skills (i.e. marketing skills; free lancing etc.). The course also seeks to inculcate work ethics to foster better citizenship in general and improve the image of Pakistani work force in particular. Main Expectations:							
	In short, the course under reference should be delivered by professional instructors in such a robust hands-on manner that the trainees are comfortably able to employ their skills for earning money (through wage/self-employment) at its conclusion.							
	This course thus clearly goes beyond the domain of the traditional training practices in vogue and underscores an expectation that a market-centric approach will be adopted as the main driving force while delivering it. The instructors should therefore be experienced enough to be able to identify the training needs for the possible market roles available out there. Moreover, they should also know the strengths and weaknesses of each trainee to prepare them for such market roles during/after the training.							
	i. Specially designed practical tasks to be performed by the trainees have been included in the Annexure-I to this document. The record of all tasks performed individually or in groups must be preserved by the management of the training Institute clearly labeling name, trade, session, etc. so that these are ready to be physically inspected/verified through monitoring visits from time to time. The weekly distribution of tasks has also been indicated in the weekly lesson plan given in this document.							
	ii. To materialize the main expectations, a special module on Job Search & Entrepreneurial Skills has been included in the latter part of this course (5 th & 6 th month) through which, the trainees will be made aware of the Job search techniques in the local as well as international job markets (Gulf countries). Awareness around the visa process and immigration laws of the most favored labor destination countries also form a part of this module. Moreover, the trainees would also be encouraged to venture into self-employment and exposed to the main							

requirements in this regard. It is also expected that a sense of civic duties/roles and responsibilities will also be inculcated in the trainees to make them responsible citizens of the country.

iii. A module on Work Place Ethics has also been included to highlight the importance of good and positive behavior in the workplace in the line with the best practices elsewhere in the world. An outline of such qualities has been given in the Appendix to this document. Its importance should be conveyed in a format that is attractive and interesting for the trainees such as through PPT slides +short video documentaries. Needless to say that if the training provider puts his heart and soul into these otherwise non-technical components, the image of the Pakistani workforce would undergo a positive transformation in the local as well as international job markets.

To maintain interest and motivation of the trainees throughout the course, modern techniques such as:

- Motivational Lectures
- Success Stories
- Case Studies

These techniques would be employed as an additional training tool wherever possible (these are explained in the subsequent section on Training Methodology).

Lastly, evaluation of the competencies acquired by the trainees will be done objectively at various stages of the training and a proper record of the same will be maintained. Suffice to say that for such evaluations, practical tasks would be designed by the training providers to gauge the problem-solving abilities of the trainees.

(i) Motivational Lectures

The proposed methodology for the training under reference employs motivation as a tool. Hence besides the purely technical content, a trainer is required to include elements of motivation in his/her lecture. To inspire the trainees to utilize the training opportunity to the full and strive towards professional excellence. Motivational lectures may also include general topics such as the importance of moral values and civic role & responsibilities as a Pakistani. A motivational lecture should be delivered with enough zeal to produce a deep impact on the trainees. It may comprise of the following:

- Clear Purpose to convey the message to trainees effectively.
- Personal Story to guote as an example to follow.
- Trainees Fit so that the situation is actionable by trainees and not represent a just idealism.
- Ending Points to persuade the trainees on changing themselves.

A good motivational lecture should help drive creativity, curiosity, and spark the desire needed for trainees to want to learn more.

The impact of a successful motivational strategy is amongst others commonly visible in increased class participation ratios. It increases the trainees' willingness to be engaged on the practical tasks for a longer time without boredom and loss of interest because they can see in their mind's eye where their hard work would take them in short (1-3 years); medium (3-10 years) and long term (more than 10 years).

As this tool is expected that the training providers would make arrangements for regular well planned motivational lectures as part of a coordinated strategy interspersed throughout the training period as suggested in the weekly lesson plans in this document.

Course-related motivational lectures online link is available in Annexure-II.

(ii) Success Stories

Another effective way of motivating the trainees is using Success Stories. Its inclusion in the weekly lesson plan at regular intervals has been recommended till the end of the training.

A success story may be disseminated orally, through a presentation, or using a video/documentary of someone that has risen to fortune, acclaim, or brilliant achievement. A success story shows how a person achieved his goal through hard work, dedication, and devotion. An inspiring success story contains compelling and significant facts articulated clearly and easily comprehendible words. Moreover, it is helpful if it is assumed that the reader/listener knows nothing of what is being revealed. The optimum impact is created when the story is revealed in the form of:-

- Directly in person (At least 2-3 cases must be arranged by the training institute)
- Through an audio/ videotaped message (2-3 high-quality videos must be arranged by the training institute)

It is expected that the training provider would collect relevant high-quality success stories for inclusion in the training as suggested in the weekly lesson plan given in this document.

The suggestive structure and sequence of a sample success story and its various shapes can be seen in **Annexure III**.

(iii) Case Studies

Where a situation allows, case studies can also be presented to the trainees to widen their understanding of the real-life specific problem/situation and to explore the solutions.

In simple terms, the case study method of teaching uses a real-life case example/a typical case to demonstrate a phenomenon in action and explain theoretical as well as practical aspects of the knowledge related to the same. It is an effective way to help the trainees comprehend in depth both the theoretical and practical aspects of the complex phenomenon in depth with ease. Case teaching can also stimulate the trainees to participate in discussions and thereby boost their confidence. It also makes the classroom atmosphere interesting thus maintaining the trainee interest in training till the end of the course.

Depending on suitability to the trade, the weekly lesson plan in this document may suggest case studies be presented to the trainees. The trainer may adopt a PowerPoint presentation or video format for such case studies whichever is deemed suitable but only those cases must be selected that are relevant and of a learning value.

The Trainees should be required and supervised to carefully analyze the cases.

For this purpose, they must be encouraged to inquire and collect specific information/data, actively participate in the discussions, and intended solutions to the problem/situation.

Case studies can be implemented in the following ways: -

- i. A good quality trade-specific documentary (At least 2-3 documentaries must be arranged by the training institute)
- ii. Health &Safety case studies (2 cases regarding safety and industrial accidents must be arranged by the training institute)
- iii. Field visits(At least one visit to a trade-specific major industry/

site must be arranged by the training institute) **Entry-level of** For an advanced course of AI(Robotics) proposed entry level is minimum trainees bachelors in relevant subject, so expectations from the trainees are: Have knowledge of Programming Concepts • Have studied languages such as HTML, CSS, Java Script, Python, Angular JS Have concept of Web Development Having a knowledge of Freelancing Platform By the end of this course, students will be able to: Learning Outcomes of Build dynamic web applications with Diango. the course • Understand and implement the MVC pattern. Work with databases using ORM in Django. • Implement measures to protect against common web vulnerabilities. · Create robust APIs for seamless integration. Deploy Django applications and optimize for scalability. Master AngularJS fundamentals like directives, two-way data binding. and filters. Develop controllers, scopes, and use dependency injection for application logic. Implement advanced features such as client-side routing, form handling, and security considerations, following best practices for code organization and deployment. The total duration of the course: 3 months (12 Weeks) Course **Execution Plan** Class hours: 4 hours per day Theory: 20% Practical: 80% Weekly hours: 20 hours per week Total contact hours: 260 hours **Enterprise Applications:** Companies offering jobs in the respective Many enterprises use Django for building the backend of their web trade applications, handling business logic, data management, and user authentication. Angular can be employed for creating dynamic and responsive user interfaces, enabling a smooth user experience for complex enterprise applications. **Content Management Systems (CMS):** Django is well-suited for developing content management systems where content creation, editing, and publishing are key features. Angular can enhance the user interface of the CMS, providing a modern and interactive experience for content authors and administrators. **E-Commerce Platforms:** As described in the previous answer, combining Django with Angular is a powerful choice for building e-commerce platforms. Django handles the backend logic, data storage, and user authentication, while Angular

	facilitates a dynamic and engaging user interface.
	Collaborative Web Applications:
	 Applications that require real-time collaboration, such as project management tools, can benefit from Django's backend capabilities and Agular's ability to create dynamic and interactive interfaces.
	Data Dashboards and Analytics Platforms:
	 Django can be used to process and manage data on the server, while Angular can be employed to build data visualization components and interactive dashboards.
	Educational Platforms:
	 Learning management systems and educational platforms can utilize Django for backend functionality, such as user management and content delivery, while Angular can be employed to create a modern and responsive frontend for a better learning experience.
	Healthcare Information Systems:
	 Applications in the healthcare sector often require robust backend systems for handling sensitive patient data. Django can provide the necessary backend infrastructure, while Angular can be used to build user interfaces for healthcare professionals and administrators.
Job	Software Development Agencies
Opportunities	E-Commerce Platforms Edwardian Technology Comments
	Education Technology CompaniesEnterprise Solutions Providers
	IT Consultancies
No of Students	25
Learning Place	Classroom / Lab
Instructional Resources	Python Django Tutorials In Hindi:
	https://youtu.be/5BDgKJFZMI8?si=CcMOjszdfKoJM7sV
	2. Complete Django Course for 2023: https://youtu.be/Mezody4yiXw?si=z_jtoKwNSX9GKxh
	3. Angular JS Course:
	https://youtu.be/PSRhmtiRNm4?si=8eQfujSBy2fxZUaV

4. AngularJS For Beginners:

https://www.udemy.com/course/angularjs-for-beginners-udemy/

Create Web Applications, Create Hybrid Apps for Android & iOS, Create single page applications

Online Course Website

Udemyhttps://www.udemy.com/Courserahttps://www.coursera.org/Udacityhttps://www.udacity.com/edXhttps://www.edx.org/

Skillshare https://www.skillshare.com/en/
LinkedIn Learning https://www.linkedin.com/learning/
Codecademy https://www.codecademy.com/

Harvard University https://pll.harvard.edu/

URDU IT Academy https://www.urduitacademy.com/

MODULES

Schedu	Module Title	Days	Hours	Learning Units	Home
led Weeks					Assignment
Week 1	Introduction to Front-End Development	Day 1	Hour 1	Introduction to HTML	
			Hour 2	Working with Links and Images	
			Hour 3	Understanding HTML Forms	
			Hour 4	Semantic HTML and Multimedia	
		Day 2	Hour 1	Introduction to CSS	
			Hour 2	Layout and Positioning	
			Hour 3	Responsive Design and Flexbox	∙Task 1
			Hour 4	CSS Grid and Advanced Techniques	Details may
		Day 3	Hour 1	Introduction to JavaScript	<u>be seen at</u> <u>Annexure-I</u>
			Hour 2	Control Flow and Conditionals	
			Hour 3	Understanding of Loops and Arrays	
			Hour 4	Understanding of Functions	
		Day 4	Hour 1	Understanding of Objects and JSON	
			Hour 2	Understanding of DOM Manipulation	
			Hour 3	Understanding of Asynchronous JavaScript	

			Hour 4	Final Project	
		Day 5	Hour 1	Bootstrap Fundamentals	
			Hour 2	Additional Native Components	
			Hour 3	Understanding of Form Components	
			Hour 4	Understanding of Bootstrap Plugins and Third-Party Plugins	
Week 2	Introduction of Python Programming	Day 1	Hour 1	Python Variables and Constants	
			Hour 2	Python Class and Objects	
			Hour 3	Python Array Implementation	
			Hour 4	Python File MethodsPython Keywords and IdentifiersPython Tuples	
		Day 2	Hour 1	 Python Sets Python Different Modules python dictionary Python Strings 	• Task 2 <u>Details may</u> <u>be seen at</u>
			Hour 2	python dictionaryPython Strings	<u>Annexure-I</u>
			Hour 3	 Python Directory and File Management System Python Data Type Conversion 	
			Hour 4	 Python Numbers Python Namespace and Scope Python Global, Local and Nonlocal 	

			variables	
	Day 3	Hour 1	 Python Global Keyword Python Iterators Python Iterations Using for 	
		Hour 2	Python InheritancePython Multiple Inheritance	
		Hour 3	 Python Function Arguments Python Functions Python break statement 	
		Hour 4	 Python continue statement Python Errors and Exceptions Python User Defined Exception 	
	Day 4	Hour 1	Python OOP Approach	
		Hour 2	 Python Operator Overloading Python Statements and Comments Python Pass Statement 	
		Hour 3	Python GeneratorsPython Decorators	
		Hour 4	 Python Conditional Statements 	
	Day 5	Hour 1	 Python Loops 	
		Hour 2	Improving the views using templatesPython Matrix Implementation	

			Hour 3 Hour 4	 Python Regular Expressions Python List Comprehension Python Recursion Python Input, Output and Import 	
Week 3	Introduction to Django and Displaying	Day 1	Hour 1	Understanding the Framework	
	Hyperlinks Project		Hour 2	Features of Django	
			Hour 3	Django web server	
			Hour 4	Understanding Django environment	
		Day 2	Hour 1	A simple 'Hello world' application	
			Hour 2	Django architecture	• Task 3
			Hour 3	MVC vs MVT Architectural Pattern	<u>Details may</u> be seen at
			Hour 4	Starting a project	Annexure-I
		Day 3	Hour 1	Django apps	
			Hour 2	Activating our first app	
			Hour 3	A view that displays a hyperlink	
			Hour 4	Mapping the views to URLs	
		Day 4	Hour 1	Running our first app	

			Hour 2	Improving the views using	
				templates	
			Hour 3	The improved templates	
			Hour 4	Template inheritance	
		Day 5	Hour 1	Sending data from URL to view	
			Hour 2	Sending data from view to template	
			Hour 3	Lab Practice	
			Hour 4	Lab Practice	
Week 4	CREATING A WEBSITE - PROJECT	Day 1	Hour 1	Starting a project	
			Hour 2	Creating an app inside the project	
			Hour 3	Activating the app	
			Hour 4	Creating model for our site	∙Task 4
		Day 2	Hour 1	Converting the model into a table	Details may be seen at
			Hour 2	Examples for Fields in Models	<u>Annexure-I</u>
			Hour 3	Basic data access using Django shell	
			Hour 4	Saving objects into database	
		Day 3	Hour 1	Retrieving objects from database	

			Hour 2	Modifying objects of database	
			Hour 3	Sorting objects	
			Hour 4	Filtering objects	
		Day 4	Hour 1	Deleting objects	
			Hour 2	Making changes in the data model	
			Hour 3	Create test cases for models, views, and other components	
			Hour 4	Create views, templates for database	
		Day 5	Hour 1	Security Considerations	
			Hour 2	Documentation and Deployment	
			Hour 3	Hands-on Lab Practice	
			Hour 4	Hands-on Lab Practice	
Week 5	Creating Administration Panel and First	Day 1	Hour 1	Using the admin interface	
	Page of our Site		Hour 2	Customizing the admin interface	• Task 5 Details may
			Hour 3	Adding users	be seen at Annexure-I
			Hour 4	Data access and modification using admin panel	

	Day 2	Hour 1	Giving permissions to users	
		Hour 2	Implement the First Page of website	
		Hour 3	The Django template system	
		Hour 4	Template Inheritance	
	Day 3	Hour 1	Improving the website	
		Hour 2	Adding background color for web pages	
		Hour 3	Adding banner to the web site	
		Hour 4	Adding background image in the web pages	
	Day 4	Hour 1	Storing and displaying images	
		Hour 2	Adding users to our site	
		Hour 3	Uploading the information by user	
		Hour 4	Changing the administration interface title	
	Day 5	Hour 1	User Registration and Login Functionality	
		Hour 2	Password Recovery and Reset Options	
		Hour 3	Customizing User Profiles and Preferences	
		Hour 4	Hands-on Practice	

Week 6	Creation, Email Functionality	Day 1	Hour 1	Understanding of Forms in Django and its types	
	and Template Language		Hour 2	HTML FormsDjango FormsForm Fields	
			Hour 3	Method for Creating Contact Us Form	
			Hour 4	Form ClassHTML IntegrationView HandlingCSRF Protection	
		Day 2	Hour 1	Implementation of Form Field Examples	
			Hour 2	Text FieldsTextarea FieldsChoice FieldsFile Upload FieldsValidation	∙ Task 6
			Hour 3	Configuring Email SettingsSettings.py ConfigurationSMTP Servers	<u>Details may</u> <u>be seen at</u> <u>Annexure-I</u>
			Hour 4	 Sending Emails with Django Email Sending Methods Text and HTML Emails Dynamic Content Attachments Testing Email Sending 	
		Day 3	Hour 1	Django Template Language	
			Hour 2	Django Template Tags:	
			Hour 3	If/Else: • Conditional	

		Statements	
		Boolean Values	
	Hour 4	If/Elif/Else:	
		Extended Conditional Statements	
Day 4	Hour 1	For:	
		Iteration in TemplatesLoop Variables	
	Hour 2	Comments:	
		 Commenting Syntax 	
	Hour 3	Filters:	
		Built-in FiltersCustom Filters	
	Hour 4	Using Templates to Display Data in the Site:	
		Integrate TemplatesRendering Context DataTemplate Inheritance	
Day 5	Hour 1	Django Form ValidationBuilt-in ValidatorsCustom ValidatorsError Handling	
	Hour 2	Django's Middleware	
		 Understanding the middleware in Django Common Use Cases Order of Execution 	
	Hour 3	User Authentication in Django	
		User ModelsUser RegistrationLogin and LogoutPassword Reset	
	Hour 4	Hands-on Practice	

Week 7	•	Integrating Bootstrap into	Day 1	Hour 1	Understanding the Sessions	
	•	Django Sessions and Cookies		Hour 2	Understanding the Cookies	
	•	Using Other Databases in Django		Hour 3	Creating Sessions and implementation	
	•	Django RESTful API		Hour 4	Creating Cookies and implementation	
			Day 2	Hour 1	Overview Database	
				Hour 2	Understanding of DBMS and RDBMS	
				Hour 3	Overview of Django default database (SQLite)	
				Hour 4	Connecting Django to other databases	• Task 7 <u>Details may</u>
					PostgreSQLMySQL	be seen at Annexure-I
			Day 3	Hour 1	Configuring database settings in Django	
				Hour 2	Migrating data between different databases	
				Hour 3	Configuring MySQL database	
				Hour 4	Working with MySQL in Django	
			Day 4	Hour 1	Configuring Oracle database	
				Hour 2	Working with Oracle in Django	
				Hour 3	Hand-on Practice	

			Hour 4	Hand-on Practice	
		Day 5	Hour 1	Understanding of REST Framework	
			Hour 2	Understanding of Django and RESTful APIs	
			Hour 3	Building a Simple Django API	
			Hour 4	Setting up Django REST framework	
Week 8	 Django RESTful API Deploymen t and Best Practices Real-world 	Day 1	Hour 1	RESTful structure GET POST PUT DELETE	
	Project • Live Project	Project • Live Project	Hour 2	Build models for our Django app	
	Implementa tion Introduction to Angular		Hour 3	Model serializer	
	JS		Hour 4	Views and View Sets in RESTful Framework	∙Task 8
		Day 2	Hour 1	Router in RESTful Framework	Details may be seen at
			Hour 2	Authentication and Authorization	Annexure-I
			Hour 3	CRUD Operations with Django REST Framework	
			Hour 4	Hands-on Practice (RESTful API)	
		Day 3	Hour 1	Deploying a Django API to platforms like Heroku or AWS	
			Hour 2	Building a To-Do List API	

			Hour 3	Project life cycle	
			Hour 4	Creating a functional website in Django	
		Day 4	Hour 1	Project Activity (Django)	
			Hour 2	Project Activity (Django)	
			Hour 3	Overview of Angular JS	
			Hour 4	AngularJS JavaScript Framework	
		Day 5	Hour 1	Key Features and Benefits	
			Hour 2	Setting Up the Development Environment	
			Hour 3	Hello World in AngularJS	
			Hour 4	Hands-on Practice	
Week 9	Understand ing the Basics of Angular IS	Day 1	Hour 1	MVC Architecture in AngularJS	
	Angular JS Working with Templates and Views Angular JS Controller Services	 Working with Templates and Views AngularJS Controller 	Hour 2	Directives and Data Binding	
			Hour 3	Expressions and Filters	•Task 9 <u>Details may</u> <u>be seen at</u> <u>Annexure-I</u>
	and Dependenc y Injection	and Dependenc y Injection	Hour 4	Controllers and Scopes	
	Forms and ValidationDirectives	Day 2	Hour 1	Introduction to Templates	
	and Custom Directives		Hour 2	Two-Way Data Binding	

			Hour 3	AngularJS Directive	
				 ng-repeat and ng-if Directives 	
			Hour 4	Routing in AngularJS	
		Day 3	Hour 1	AngularJS controllers	
			Hour 2	Controller methods	
			Hour 3	Controllers in External files	
			Hour 4	Overview of Services	
		Day 4	Hour 1	Creating Custom Services	
			Hour 2	Dependency Injection in AngularJS	
			Hour 3	Common Built-in Services	
			Hour 4	Forms in AngularJS	
		Day 5	Hour 1	Form Controls and Validation	
			Hour 2	Custom Validation	
			Hour 3	Handling Form Submission	
			Hour 4	Built-in Directives	
Week 10	Directives and Custom Directives	Day 1	Hour 1	Creating Custom Directives	∙Task 10
	Introduction to AngularJS Components		Hour 2	Directive Communication	<u>Details may</u> <u>be seen at</u> <u>Annexure-I</u>

Testing in		Hour 3	Best Practices for Using	
AngularJS		11001 0	Directives	
Advanced Topics				
Building a		Hour 4	Understanding Components	
Real-World Project				
0,000	Day 2	Hour 1	Creating and Using	
	-		Components	
		1100		
		Hour 2	Component Communication	
		Hour 3	Lifecycle Hooks in	
			Components	
		Hour 4	Overview of Testing in	
		TIVMI T	AngularJS	
	Day 3	Hour 1	Unit Testing with Jasmine	
			and Karma	
		Hour 2	End-to-End Testing with	
			Protractor	
		Harra 2	Post Proctions for Testing	
		Hour 3	Best Practices for Testing	
		Hour 4	Advanced Data Binding	
			Techniques	
	Day 4	Hour 1	Animation in AngularJS	
	,		J . 3. 2.	
		11	Laboration of the Control of the Con	
		Hour 2	Internationalization and Localization	
			Localization	
		Hour 3	Performance Optimization	
			Tips	
		Hour 4	Applying the Learned	
			Concepts	
			·	
	Day 5	Hour 1	Building a Simple SPA	
		Hour 2	Project Structure and Best	
			Practices	

			Hour 3	Deployment Considerations	
			Hour 4	Project Activity (Angular)	
Week 11	 Getting Started and Profile Optimization Winning Jobs and 	Day 1	Hour 1	 Introduction to Freelancing Platforms Overview of Upwork and Fiverr 	
	Writing Proposals Time Management and Scaling Your		Hour 2	 Creating a Winning Profile Crafting an effective headline and bio 	
	Business Legal and Ethical Consideratio ns Final		Hour 3	Navigating the PlatformsSetting Up Payment Methods	
	Strategies and Q&A		Hour 4	Showcasing Your Skills in a PortfolioUploading Samples and Projects	
			Hour 1	Writing Persuasive Proposals Tailoring proposals to job descriptions	• Task 11 <u>Details may</u> <u>be seen at</u>
			Hour 2	Bidding Strategies Setting competitive rates	<u>Annexure-I</u>
			Hour 3	Job Search Techniques Advanced search filters on Upwork and Fiverr	
			Hour 4	Successfully Completing Projects Effective communication during projects	
		Day 3	Hour 1	Balancing Multiple Projects Creating a realistic schedule	
			Hour 2	Scaling Your Freelance Business Hiring freelancers as a	

				client	
			Hour 3	Keeping Up with Industry Trends	
				Continuous learning and skill development	
			Hour 4	Building a Personal Brand	
				Creating a professional website	
		Day 4	Hour 1	Understanding Freelancer Rights and Responsibilities	
				Contract negotiations and agreements	
			Hour 2	Taxation and Financial Management	
				Keeping track of income and expenses	
			Hour 3	Advanced Strategies for Upwork and Fiverr Success	
				Building Long-Term Client Relationships	
			Hour 4	Leveraging Upwork and Fiverr Features	
				Using premium features to stand out	
		Day 5	Hour 1	Recap of Key Takeaways	
			Hour 2	Open Forum for Questions and Answers	
			Hour 3	Implementing Strategies for Success	
			Hour 4	Practice Session	
Week 12	Project Activity (Django)	Day 1	Hour 1		∙Task 12

•	Project Activity (Angular JS)		Hour 2 Hour 3	Build a Complete Website in Django (Part 1)	Details may be seen at Annexure-I
Freelancing Platform Activity			Hour 3		Final Project
			Hour 4		
		Day 2	Hour 1		
			Hour 2	Build a Complete Website	
			Hour 3	in Django (Part 2)	
			Hour 4		
		Day 3	Hour 1		
			Hour 2		
			Hour 3	Build a Complete Website in Angular JS (Part 1)	
			Hour 4		
		Day 4	Hour 1		
			Hour 2		
			Hour 3	Build a Complete Website in Angular JS (Part 2)	
			Hour 4		
		Day 5	Hour 1		
		Day 5	11001 1		

	Hour 2		
	Hour 3	Build an Account on Freelancing Platform	
	Hour 4		

Tasks for Certificate in Web (Python/ Django + Angular)

Task No.	Task	Description	Week
1.	Front-End Fundamentals	Develop a Responsive Website with HTML, CSS, and JavaScript, Integrating Bootstrap	Week 1
2.	Python Fundamental	Python Programming Fundamentals and Advanced Topics Overview	Week 2
3.	Django Hyperlink Display Project	Build Django Hyperlink Display Project	Week 3
4.	Django Database	Built a Django website with database integration	Week 4
5.	Admin Panel	Built Admin Panel, Site Page, Implemented User Features	Week 5
6.	Develop Forms, Email, Templates	Develop a Django project with validated forms, email functionality, template customization, user authentication, and advanced template usage	Week 6
7.	Django RESTful API	implementation of a Django RESTful API for data services.	Week 7
8.	Django Website	Combine all the concept to build real world project.	Week 8
9.	User Registration Form	Build a simple user registration form using AngularJS.	Week 9
10.	Angular Website	Combine all the concept to build real world project.	Week10
11.	Fiverr & Upwork	Build an account on freelancing platform like Fiver and Upwork	Week11
12.	Final Project	Combining all the topics covered in the course to build a complete Python (Django) website.	Week12
13.	Final Project	Combining all the topics covered in the course to build a complete Angular JS website.	Week12

Motivational Lectures Web (Python/ Django + Angular)

The Rise of Django: https://www.youtube.com/watch?v=rIWJWy3_njo

This video provides an overview of the impact that Django is having on various industries and highlights some of the breakthroughs that have been made in recent years.

What Is Django And How It Works? https://www.youtube.com/watch?v=sPZeuiViku8

Django is a very powerful framework run on python and used by some of the biggest tech companies. We will also discuss the MVT architecture on which Django is built.

Django Rest Framework: https://www.youtube.com/watch?v=-M8D1UKZf0o

In this video, I have explained about Django rest framework. You will learn the Django rest framework. Django rest framework is used to create rest API using a python programming language.

Introduction to Angular: https://www.youtube.com/watch?v=0LhBvp8qpro

In this video, I will explain to you everything you need to get started with the Angular framework. Angular is a very popular framework used to create single-page applications (SPA). This video will cover an Angular Project in Hindi wherein we will be building a client-side Todos List app from scratch

The Upwork Success Story: https://www.youtube.com/watch?v=IJJVUUYAkO4

Transformed client's digital presence with strategic marketing on Upwork, resulting in a 150% increase in sales within three months

My Success Story | Fiverr Freelancing: https://www.youtube.com/watch?v=GPjkpVIL3a0

In this video, I'm unveiling my Fiverr journey from zero to \$12,000 with Fiverr tips due to this you can earn money online.

Workplace/Institute Ethics Guide

Work ethic is a standard of conduct and values for job performance. The modern definition of what constitutes good work ethics often varies. Different businesses have different expectations. Work ethic is a belief that hard work and diligence have a moral benefit and an inherent ability, virtue, or value to strengthen character and individual abilities. It is a set of values-centered on the importance of work and manifested by determination or desire to work hard.

The following ten work ethics are defined as essential for student success:

1. Attendance:

Be at work every day possible, plan your absences don't abuse leave time. Be punctual every day.

2. Character:

Honesty is the single most important factor having a direct bearing on the final success of an individual, corporation, or product. Complete assigned tasks correctly and promptly. Look to improve your skills.

3. Team Work:

The ability to get along with others including those you don't necessarily like. The ability to carry your weight and help others who are struggling. Recognize when to speak up with an idea and when to compromise by blend ideas together.

4. Appearance:

Dress for success set your best foot forward, personal hygiene, good manner, remember that the first impression of who you are can last a lifetime

5. Attitude:

Listen to suggestions and be positive, accept responsibility. If you make a mistake, admit it. Values workplace safety rules and precautions for personal and co-worker safety. Avoids unnecessary risks. Willing to learn new processes, systems, and procedures in light of changing responsibilities.

6. **Productivity**:

Do the work correctly, quality and timelines are prized. Get along with fellows, cooperation is the key to productivity. Help out whenever asked, do extra without being asked. Take pride in your work, do things the best you know-how. Eagerly focuses energy on accomplishing tasks, also referred to as demonstrating ownership. Takes pride in work.

7. Organizational Skills:

Make an effort to improve, learn ways to better yourself. Time management; utilize time and resources to get the most out of both. Take an appropriate approach to social interactions at work. Maintains focus on work responsibilities.

8. Communication:

Written communication, being able to correctly write reports and memos. Verbal communications, being able to communicate one on one or to a group.

9. Cooperation:

Follow institute rules and regulations, learn and follow expectations. Get along with fellows, cooperation is the key to productivity. Able to welcome and adapt to changing work situations and the application of new or different skills.

10. Respect:

Work hard, work to the best of your ability. Carry out orders, do what's asked the first time. Show respect, accept, and acknowledge an individual's talents and knowledge. Respects diversity in the workplace, including showing due respect for different perspectives, opinions, and suggestions.