

TECNIA INSTITUTE OF ADVANCED STUDIES
Grade 'A' Institute
Department of Information, Communication & Technology
Bachelor of Computer Applications (BCA)
Scheme and Syllabus (w.e.f. AS 2021-22)

COURSE CODE: BCAT 218

COURSE NAME: WEB DEVELOPMENT WITH PYTHON AND DJANGO LEARNING

OBJECTIVES:

The students will be able to develop expertise related to the following:

1. Understand the model view controller (MVC) and Model View template (MVT) pattern and how it is implemented in Django
2. Create Django templates for easy-to-modify views
3. Map views to URLs
4. Take advantage of the built-in Admin interface
5. Provide HTML form processing
6. Integrate automated tests with your code

PRE-REQUISITES:

1. All students should have a working knowledge of HTML 5, and CSS.
2. All students should have a working knowledge of Python

COURSE OUTCOMES (COs):

After completion of this course, the learners will be able to:-

CO#	Detailed Statement of the CO
CO1	Install and Configure Python and Django in a development and production environment
CO2	Understands the security implications of Django using templates and develop secure websites with Django
CO3	Utilize Django Models to build an interface with powerful relational databases
CO4	Design and develop forms (both ad-hoc and from Models and Data Models) and automate the validation and verification of data in those forms