# 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: BCAP 218**

**COURSE NAME: WEB DEVELOPMENT WITH PYTHON AND DJANGO LAB**

**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 |