



**Effat College of Engineering
Computer Science Department**

**Associate Diploma in Artificial Intelligence
Study Plan**

DECEMBER 2023

STUDY PLAN

Associate Diploma in Artificial Intelligence

Semester 1: Levels 1-2													
Level 1 (8 weeks)							Level 2 (8 weeks)						
Course Code	Course Name	LEC	PRAC	CR	Total CONTACT HRS	Prerequisites	Course Code	Course Name	LEC	PRAC	CR	Total CONTACT HRS	Prerequisites
AID 101	Artificial Intelligence: Principles and Techniques	2	1	3	48	None	AID 111	Mathematics for Artificial Intelligence	3	0	3	48	None
AID 121	Programming Essentials in Python	2	2	3	64	None	AID 122	Fundamentals of Data Science	2	1	3	48	None
Total Credit Hours		4	3	6	112		Total Credit Hours		5	1	6	96	
Semester 2: Levels 3-4													
Level 3 (8 weeks)							Level 4 (8 weeks)						
Course Code	Course Name	LEC	PRAC	CR	Total CONTACT HRS	Prerequisites	Course Code	Course Name	LEC	PRAC	CR	Total CONTACT HRS	Prerequisites
AID 202	Machine Learning Basics	2	1	3	48	AID 101	AID 341	IoT Principles	2	1	3	48	AID 101
AID 203	Natural Language Processing Essentials	2	1	3	48	AID 101	AID 312	Final Project	2	1	3	48	AID 122
Total Credit Hours		4	2	6	96		Total Credit Hours		4	2	6	96	
Total credit hours required for Associate Diploma in Artificial Intelligence:												24	
Total Contact hours for Associate Diploma in Artificial Intelligence:												400	