

Sector: Construction									
Program: Bachelor of Vocation in Building and Construction Technology									
Semester: I									
Sl. No	Course Type	Semester	Course Code	Course	L	T	P	C	
1	General Education	I		Foundation of Construction Technology	3			3	
2	General Education	I		Building Physics	3			3	
3	General Education	I		Mathematics for Construction	3			3	
4	General Education	I		Construction Materials and Architectural Design Fundamentals	3			3	
5	OJT	I		Basics of Site Management and Supervision				18	18
	TOTAL				12			18	30
Semester: II									
1	General Education	II		Construction Materials and Structural Mechanics	3			3	
2	General Education	II		Surveying and Geomatics	3			3	
3	General Education	II		Sustainability in Construction	3			3	
4	General Education	II		Construction Project Management	3			3	
5	OJT	II		Material Management and Sustainability Practices				18	18
	TOTAL				12			18	30
Semester III									
1	General Education	III		Building Services and Systems	3			3	
2	General Education	III		Building Information Modelling	3			3	
3	General Education	III		Concrete Technology	3			3	
4	General Education	III		Soil Mechanics and Foundation	3			3	
5	OJT	III		Environmental Impact of Construction and Site Documentation, BIM Modelling				18	18
	TOTAL				12			18	30
Semester IV									
1	General Education	IV		Advance Structural Design	3			3	
2	General Education	IV		Construction Cost Estimation	3			3	
3	General Education	IV		Construction Law and Ethics	3			3	
4	General Education	IV		Mechanised Construction Techniques	3			3	
5	OJT	IV		Health, Safety and Risk Management				18	18
	TOTAL				12			18	30
Semester V									
1	General Education	V		High-Rise Building Construction	3			3	
2	General Education	V		Building Acoustics and Lighting	3			3	
3	General Education	V		Pre-fab and Modular Construction	3			3	
4	General Education	V		Energy-Efficient Building Design	3			3	
5	OJT	V		Construction Contracts, Procurement, High-Rise Site Supervision				18	18
	TOTAL				12			18	30
Semester VI									
1	General Education	VI		Smart Building Technologies	3			3	
2	General Education	VI		Water and Waste Management in Buildings	3			3	
3	General Education	VI		Career Development in the Construction Field	0			0	
4	General Education	VI		Major Project	6			6	
5	OJT	VI		Project Management				18	18
	TOTAL				12			18	30