



Dundigal, Hyderabad - 500 043

COURSE CATALOG – BT22

2022 ONWARDS		COURSE CATALOG: B.TECH IN INFORMATION TECHNOLOGY (IT)					
Semester - I	Semester - II	Semester - III	Semester - IV	Semester - V	Semester - VI	Semester - VII	Semester - VIII
English	Chemistry	Web Application Development	Theory of Computation	Computer Networks	Data Mining and Warehousing	Business Intelligence and Data Visualization	IT Services and Management
Applied Physics	Elements of Electronics Engineering	Digital Logic and Computer Organization	Data Communication	Artificial Intelligence	Cryptography and Network Security	Designing The User Experience	Programme Elective - V
Linear Algebra and Calculus	Probability and Statistics	Operating Systems	Database Management Systems	Compiler Design	Linked, Open Data and Internet of Things	Cloud Computing	Programme Elective - VI
Elements of Electrical Engineering	Data Structures	Design and Analysis of Algorithms	Software Engineering	Programme Elective - II	Programme Elective - III	Programme Elective - IV	Science, Society and Ethical values
Python Programming	Combinatorics and Graph Theory	Business Economics & Financial Analysis	Programme Elective - I	Open Elective – I / MOOCS	Open Elective - II / MOOCS	Open Elective – III / MOOCS	Project Work (Stage – II) / FSI
English Laboratory	Combinatorics and Graph Theory Laboratory	Design and Analysis of Algorithms Laboratory	Database Management Systems Laboratory	Computer Networks Laboratory	Data Mining and Warehousing Laboratory	Cloud Computing Laboratory	
Physics Laboratory	Data Structures Laboratory	Web Application Development Laboratory	Software Engineering Laboratory	Artificial Intelligence Laboratory	Linked, Open Data and Internet of Things Laboratory	Mobile and Web Application Development Laboratory	
Python Programming Laboratory	Problem Solving through C Programming Laboratory	Programming through Objects Laboratory	Object Oriented Programming through Java Laboratory	Linux Programming Laboratory	Full Stack Development Laboratory	Project Work (Stage – I) / FSI	
ExEEd - Essential of Innovation	EE and EC Workshop	ExEEd – Prototype / Design Building	ExEEd - Fabrication / Model Development	ExEEd - Project Based Learning	ExEEd – Research Based Learning		
Induction Program	Indian Constitution	Environmental Engineering and Science	Gender Sensitivity				
Credits: 20	Credits: 20	Credits: 20	Credits: 20	Credits: 20	Credits: 20	Credits: 20	Credits: 20
						Total Credits	160