Name of Faculty	**Engineering**		Proposed Subject				L: 1 T: 1
Name of Course	**BTECH**						Credits: 2
Subject/ Paper	**Cyber Security**		Sem.		Paper Code		
Course Coordinator Name: Contact Number:	**Dr. Amit Goel** 9268659101		II	Day	Wednesday		Time; 2-4:00

Unit	Sub Units	Time	Topic	Teaching Methodology	Assessment Method	Teaching Faculty
Unit I	1.1		The Security Environment	SIS	Weekly and Mid term	Dr. Amit Goel
	1.2		Principles of Cybersecurity	SIS	Weekly and Mid term	Dr. Amit Goel
	1.3		Cybersecurity Management Concepts	Seminar	Weekly and Mid term	Dr. Amit Goel
	1.4		Information security roles and positions	SIS	Weekly and Mid term	Dr. Amit Goel
	1.5		Management models, roles, and functions	Seminar	Weekly and Mid term	Dr. Amit Goel
Unit II	2.1		Strategic planning and security strategy	SIS	Weekly and Mid term	Dr. Amit Goel
	2.2		The information security lifecycle	SIS	Weekly and Mid term	Dr. Amit Goel
	2.3		Security Plans and Policies	SIS	Weekly and Mid term	Dr. Amit Goel
	2.4		The System Security Plan (SSP)	SIS	Weekly and Mid term	Dr. Amit Goel
	2.5		Policy development and implementation	SIS	Weekly and Mid term	Dr. Amit Goel
	3.1		Laws and Regulatory Requirements	GD	Weekly and Mid term	Dr. Amit Goel

Unit III	3.2		Security Standards and Controls	SIS	Weekly and Mid term	Dr. Amit Goel
	3.3		Certification and accreditation (C&A)	GD	Weekly and Mid term	Dr. Amit Goel
	3.4		Security Metrics and Key Performance Indicators (KPIs)	SIS	Weekly and Mid term	Dr. Amit Goel
	3.5		Approaches to security metrics	Seminar	Weekly and Mid term	Dr. Amit Goel
	4.1		Security Education, Training, and Awareness	SIS	Weekly and Mid term	Dr. Amit Goel
	4.2		Managing information security across the DoD enterprise	SIS	Weekly and Mid term	Dr. Amit Goel

Course Objective: (Imparting life Skills about Cybersecurity, understanding security metrics and training to avoid mishaps and cyber crimes)

Assessment: Summative: (40 marks- 20 Subjective+ 20 Objective)

Formative: (10 marks)