				Discipline : Computer Science			
Sl. No.	Academic Course	Semester	Subject under the Semester	Topic of the BIS Lecture	Time slot required	IS No.	Title
1	B.Tech (Electrical Engineering)		Coding Theory	**Coding of Audio-Visual Objects(JPEG, MPEG etc)**	90 Minutes	IS/ISO/IEC 14496 series	Information technology — Coding of audio-visual objects
2	B.Tech (Computer Science		Computer Networks CSL 374	**Information security, network security and privacy protection**	90 Minutes	IS/ISO/IEC 27000 : 2018	Information technology — Security techniques — Information security management systems — Overview and vocabulary
						IS/ISO/IEC 27001 : 2013	Information technology — Security techniques — Information security management systems — Requirements
						IS/ISO/IEC 18033 series	Information security — Encryption algorithms
						IS/ISO/IEC/TS 20540 : 2018	Information technology — Security techniques — Testing cryptographic modules in their operational environment
						IS/ISO/IEC 29192 series	Information security — Lightweight cryptography
						IS/ISO/IEC 27033	Information technology — Security techniques — Network security
3	B.Tech (Computer Science)		Machine Learning (COL 341, COL 774)/Internet of Things/ Artificial Intelligence (COL 333, COL 671)/ Data Mining/ Data Analytics	**Standardization - Emerging Digital technologies.**	90 Minutes	IS 18004-1	Internet of Things - Reference Architecture
						IS/ISO/IEC TR 22417: 2017	Information technology — Internet of things (IoT) use cases
						IS/ISO/IEC 20546 : 2019	Information technology — Big data — Overview and vocabulary
						IS/ISO TR 23455 : 2019 (Under Development)	Blockchain and distributed ledger technologies — Overview of and interactions between smart contracts in blockchain and distributed ledger technology systems
						IS 6873 Series	Limits and Methods of Measurement of Radio Disturbance Characteristics

Sl. No.	Academic Course	Semester	Subject under the Semester	Topic of the BIS Lecture	Time slot required	IS No.	Title
4	B.Tech (Electrical Engineering)		Electromagnetic Interference And Compatibility Techniques EE644A	Electromagnetic Compatibility(EMC) and its Standards	90 Minutes	IS 10052 Series	Electromagnetic Interference Measuring Apparatus And Measuring Methods
						IS 12233 Series	Radio interference characteristics of overhead power lines and high - Voltage equipment
						IS/CISPR 32: 2015	Electromagnetic Compatibility of Multimedia Equipment – Emission Requirements
						IS 62209-1528: 2020	Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices Part 1528 Human models, instrumentation, and procedures (Frequency range of 4 MHz to 10 GHz)
5	B.Tech Computer Science		Introduction to Natural Language Processing CS671	Indian Languages and its standards like UNICODE	90 Minutes	IS 16350 : 2016	Enhanced inscript keyboard layouts
						IS 13194 : 1991	Indian script code for information interchange - ISCII
6	B.Tech (Electrical Engineering)		EE606: FIBRE OPTIC COMMUNICATION	Optical fiber Standards	90 Minutes	IS/IEC 62283:2012	Optical fibres - Guidance for nuclear radiation tests
						IS/IEC 60793 series	Optical fibres
						IS/IEC 60794 series	Optical Fibre Cables
						IS/IEC 62538:2008	Categorization of Optical Devices
7	B.Tech (Computer Science Engineering		Software Engineering CS 346	IT Asset Management and IT Service Management	90 Minutes	IS/ISO/IEC 20000 (	Information Technology - Service Management
						IS 16458 : 2015	Systems and software engineering - Life cycle processes - Risk management

Sl. No.	Academic Course	Semester	Subject under the Semester	Topic of the BIS Lecture	Time slot required	IS No.	Title
8	B.Tech (Computer Science & Engineering)		Software Engineering CS 346	Software Quality Assistance and Software Life Cycle	90 Minutes	IS 16443 : 2016	Systems and software engineering - Systems and software quality requirements and evaluation (Square) - System and software quality models
						IS 16124 : 2013	Systems and Software Engineering - Software Life Cycle Processes
9	B.Tech (Computer Science & Engineering)		Computer Networks CS 224	Information security, network security and privacy protection	90 Minutes	IS/ISO/IEC 27000 : 2018	Information technology — Security techniques — Information security management systems — Overview and vocabulary
						IS/ISO/IEC 27001 : 2013	Information technology — Security techniques — Information security management systems — Requirements
						IS/ISO/IEC 18033 series	Information security — Encryption algorithms
						IS/ISO/IEC/TS 20540 : 2018	Information technology — Security techniques — Testing cryptographic modules in their operational environment
						IS/ISO/IEC 29192 series	Information security — Lightweight cryptography
						IS/ISO/IEC 27033	Information technology — Security techniques — Network security
						IS 17428 (Part 1 & Part 2)	Data Privacy Assurance
10	B.Tech (Computer Science & Engineering)		Artificial Intelligence and Machine Learning CS 337	Emerging IT Technologies Part 1: AI, Data Analytics Part 2: IOT, Block Chain	90 Minutes	IS/ISO/IEC TR 22417: 2017	Information technology — Internet of things (IoT) use cases
						IS/ISO/IEC 20546 : 2019	Information technology — Big data — Overview and vocabulary
						IS/ISO TR 23455 : 2019 (Under Development)	Blockchain and distributed ledger technologies — Overview of and interactions between smart contracts in blockchain and distributed ledger technology systems

Sl. No.	Academic Course	Semester	Subject under the Semester	Topic of the BIS Lecture	Time slot required	IS No.	Title
11	B. Tech. (Electronics and Communication Engineering)		Cloud Computing EC – 420	Indian Standards on Cloud Computing & Data Centres	90 Minutes	IS/ISO/IEC 30134 series of standards	Information Technology Data Centers Key Performance Indicators