

1.1 Number of courses offered by the Institution across all programs during the year 2020-21

Program code	Program Name	Course code	Course Name	Year of introduction
401	Bcom (General)	ELS1	English (First Language)	1972
		SLS1	Second Language	
		AECC1	a)Environmental Science/ b)Basic Computer Skills	
		DSC101	Financial Accounting	
		DSC102	Business Organization and	
		DSC103	Foreign Trade	
		ELS2	English (First Language)	
		SLS2	Second Language	
		AECC2	a)Basic Computer Skills/	
			b)Environmental Science	
		DSC201	Financial Accounting-II	
		DSC202	Business Laws	
		DSC203	Banking and Financial	
		ELS3	English (First Language)	
		SLS3	Second Language	
		SEC1	Communication Skills &Professional Skills	
		SEC2	a)Principles of Insurance/	
			b)Foundation of Digital Marketing &Web Design	
		DSC301	Advanced Accounting	
		DSC302	Business Statistics	
		DSC303	Financial Institutions and	

		ELS4	English (First Language)	
		SLS4	Second Language	
		SEC3	Leadership & Management Skills	
			Universal Human Values	
		SEC4	a)Practice of Life and General Education	
			b)Social Media Marketing	
		DSC401	Income Tax	
		DSC402	Business Statistics –II	
		DSC403	Corporate Accounting	
		ELS5	English (First Language)	
		SLS5	Second Language	
		GE	a) Business Economics/	
			b) Advanced Aspects of	
		DSE501	a) Cost Accounting/	
			b) Financial Planning &	
			c) International Financial	
		DSE502	a) Computerized Accounting/	
			b) Financial Decision Making-	
			c) International Tax &	
		DSE503	a) Auditing/	
			b) Advanced Corporate	
			c) Financial Management	
		ELS6	English (First Language)	
		SLS6	Second Language	
		PR	Research Methodology and	
		DSE601	a) Cost Control and	
			b) Financial control/	
			c) International Financial	

		DSE602	a) Theory and Practice of GST/ b) Financial Decision Making- II/ c) International Auditing\	
		DSE603	a) Accounting Standards/ b) Corporate Governance/ c) Investment Management	
405	Bcom Computers Application	ELS1	English (First Language)	1997
		SLS1	Second Language	
		AECC1	a)Environmental Science/ b)Principles of Insurance	
		DSC101	Financial Accounting	
		DSC102	Business Organization and Management	
		DSC103	Fundamentals of Information Technology	
		ELS2	English (First Language)	
		SLS2	Second Language	
		AECC2	a)Basic Computer Skills/ b)Environmental Science	
		DSC201	Financial Accounting-II	
		DSC202	Business Laws	
		DSC203	Programming with C & C ++	
		ELS3	English (First Language)	
		SLS3	Second Language	
		SEC1	Communication Skills a)Principles of Insurance	
		SEC2	b)Foundation of Digital Marketing	
		DSC301	Advanced Accounting	
		DSC302	Business Statistics	

		DSC303	Relational Database	
		ELS4	English (First Language)	
		SLS4	Second Language	
		SEC3	Leadership & Management	
			Universal Human Values	
		SEC4	a)Practice of Life and General	
			b)Social Media Marketing	
		DSC401	Income Tax	
		DSC402	Business Statistics –II	
		DSC403	Web Technologies	
		ELS5	English (First Language)	
		SLS5	Second Language	
		GE	a) Business Economics/	
			b) Advanced Aspects of	
		DSE501	a) Cost Accounting/	
			b) Financial Planning &	
			c) International Financial	
		DSE502	a) Computerized Accounting/	
			b) Financial Decision Making-	
			c) International Tax &	
		DSE503	DSE503 a) Management	
			b) Ecommerce/	
			c) Mobile Applications	
		ELS6	English (First Language)	
		SLS6	Second Language	
		PR	Research Methodology and	
		DSE601	a) Cost Control and	
			b) Financial control/	

			c) International Financial Reporting	
		DSE602	a) Theory and Practice of GST/	
			b) Financial Decision Making- II/	
			c) International Auditing\	
		DSE603	a) Multimedia Systems/	
			b) Cyber Security/	
			c) Data Analytics	
407	Bcom Honors	ELS1	English (First Language)	2005
		AECC1	a)Environmental Science/	
		AECC1	b)Basic Computer Skills	
		DSC101	Financial Accounting-I	
		DSC102	Business Organization and M	
		DSC103	Foreign Trade	
		DSC104	Business Economics	
		ELS2	English (First Language)	
		AECC2	a)Basic Computer Skills/	
		AECC2	b)Environmental Science	
		DSC201	Financial Accounting-II	
		DSC202	Business Laws	
		DSC203	Banking and Financial Services	
		DSC204	Financial Management	
		ELS3	English (First Language)	
		SEC1UG	Communication Skill Development Skill	
		SEC2Dept	a)Principles of Insurance/ Insurance Principles	
		DSC301	Advanced Accounting	
		DSC302	Business Statistics-I	
		DSC303	Financial Institutions and M	

		DSC304	Investment Management	
		ELS4	English (First Language)	
		SEC3Dept	Leadership & Management	
		SEC4Dept	a)Practice of Life and General	
		DSC401	Income Tax	
		DSC402	Business Statistics-II	
		DSC403	Corporate Accounting	
		DSC404	Human Resource Management	
		ELS5	English (First Language)	
		GE	a)Excel Foundation/	
		DSE501	a) Cost Accounting/ b)	
		DSE502	a) Computerized Accounting/b)	
		DSE503	a) Auditing/b) Strategic	
		DSE504	a) Marketing Management/b)	
		ELS6	English (First Language)	
		PR	Research Methodology and	
		DSE601	a) Cost Control and	
		DSE602	a) Theory and Practice of GST/	
		DSE603	a) Accounting Standards/b)	
		DSE604	a) International Finance/b)	
538	Business analytics	ELS1	English (First Language)	2020
		AECC1	a)Environmental Science/	
		AECC1	b)Basic Computer Skills	
		DSC101	Financial Accounting-I	
		DSC102	Business Organization and	
		DSC103	Foreign Trade	
		DSC104	Business Economics	

		ELS2	English (First Language)	
		AECC2	a)Basic Computer Skills/	
		AECC2	b)Environmental Science	
		DSC201	Financial Accounting-II	
		DSC202	Business Laws	
		DSC203	Banking and Financial Services	
		DSC204	Financial Management	
		ELS3	English (First Language)	
		SEC1UG	Communication	
		SEC2Dept	a)Principles of Insurance/	
		DSC301	Advanced Accounting	
		DSC302	Business Statistics-I	
		DSC303	Financial Institutions and	
		DSC304	Investment Management	
		ELS4	English (First Language)	
		SEC3Dept	Leadership & Management	
		SEC4Dept	a)Practice of Life and General	
		DSC401	Income Tax	
		DSC402	Business Statistics-II	
		DSC403	Corporate Accounting	
		DSC404	Human Resource Management	
		ELS5	English (First Language)	
		GE	a)Excel Foundation/	
		DSE501	a) Cost Accounting/ b)	
		DSE502	a) Computerized Accounting/b)	
		DSE503	a) Auditing/b) Strategic	
		DSE504	a) Marketing Management/b)	
		ELS6	English (First Language)	

		PR	Research Methodology and	
		DSE601	a) Cost Control and	
		DSE602	a) Theory and Practice of GST/	
		DSE603	a) Accounting Standards/b)	
		DSE604	a) International Finance/b)	
684	BBA	ELS 1	English (First Language) – 1	
		SL 1	Second Language – 1	
		AECC 1	Environmental Studies	
		DSC 101	Principles of Management	
		DSC 102	Basics of Marketing	
		DSC 103	Business Economics	
		ELS 2	English (First Language) – 2	
		SL 2	Second Language – 2	
		AECC 2	Basic Computer Skills	
		DSC 201	Organizational Behavior 5	
		DSC 202	Business Statistics	
		DSC 203	Financial Accounting	
		ELS 3	English (First Language) – 3	
		SL 3	Second Language – 3	
		SEC 1	Communication Skills	
		SEC 1	Professional Skills	
		SEC 2	Basic Quality Management	
		SEC 2	Advanced Computer Skills	
		DSC 301	Human Resource Management	
		DSC 302	Information Technology for	
		DSC 303	Financial Management	
		ELS 4	English (First Language) – 4	
		SL 4	Second Language – 4	

		SEC 3	Leadership and Management	
		SEC 3	Universal Human Values	
		SEC 4	Start Up Opportunity and	
		SEC 4	Business Policy and Strategy	
		DSC 401	Business Law and Ethics	
		DSC 402	Marketing Research	
		DSC 403	Management Science	
		ELS 5	English (First Language) – 5	
		SL 5	Second Language – 5	
		GE 501	Mobile Commerce	
		DSE501	Entrepreneurship Development	
		DSE501	Business Analytics	
		DSE 502	a) Financial Markets and	
		DSE 503	a) Analysis of Investment in	
		ELS 6	English (First Language) – 6	
		SL 6	Second Language – 6	
		DSE 601	a) Supply Chain Management	
		DSE 602	a) Banking (F) b) Buyer	
		DSE 603	a) Insurance (F) b) Customer	
		PR 601	Project Report	
		CV 601	Viva Voce	
474	Bsc(MECs)			2000
	Mathematics	DSC - I	Differential & Integral Calculus	
		DSC - II	Differential Equations	
		DSC - III	Real Analysis	
		DSC - IV	Algebra	
		DSC - V	Linear Algebra	

		DSE – VI(A)	A) Numerical Analysis	
		DSE – VI(B)	(B) Integral Transforms	
		DSE – VI(C)	C) Analytical Solid Geometry	
		SEC-I	Communication Skills or Professional Skills	
		SEC-II	(A) Theory of Equations (OR) (B) Logic & Sets	
		SEC-III	Leadership & Management Skill (OR) Universal Human Values	
		SEC-IV	(A) Number Theory (OR)(B) Vector Calculus	
		Generic Elective	A) Basic Mathematics (OR) (B) Mathematics for Economics &	
		Project/ Optional	Mathematical Modelling	
	ELECTRON ICS	Paper – I :	Circuit Analysis	
		Practical – I	Circuit Analysis Lab	
		Paper – II	Electronic Devices	
		Practical – II	Electronic Devices Lab	
		Paper – III	Analog Circuits	
		Practical – III	Analog Circuits Lab	
		Paper – IV	Linear Integrated circuits and Basics of Communication	
		Practical – IV	Linear Integrated circuits and Basics of Communication	
		Paper –V	Discipline Specific Elective – I Digital Electronics (OR) Electronic	
		Practical – V	Discipline Specific Elective – I Digital Electronics Lab (OR) Electronics & Instrumentation Lab	
		Paper – VI	Discipline Specific Elective – II Digital Communication (OR) 8051 Microcontroller & Applications	
		Practical – VI	Discipline Specific Elective – II Digital Communication Lab (OR) 8051 Microcontroller & Applications	
	(Computer Science)		Programming in C	
			Programming in C++	

			Data Structures using C++	
			Data Base Management Systems (DBMS)	
			Programming in Java	
			Web Technologies	
		AECC	Fundamentals of Computers	
		SEC	Communication Skills (or) Professional Skills (Sec - I)	
			Python –I (Sec –II)	
			Leadership & Management Skill (or) (Sec - III) Universal Human Values	
			Python –II (Sec –IV)	
		Generic Elective	Information Technologies	
		Project/Opti onal	PHP with MY SQL	
467	Bsc(MSCs)			2000
	Mathematics	DSC - I	Differential & Integral Calculus	
		DSC - II	Differential Equations	
		DSC - III	Real Analysis	
		DSC - IV	Algebra	
		DSC - V	Linear Algebra	
		DSE – VI(A)	A) Numerical Analysis	
		DSE – VI(B)	(B) Integral Transforms	
		DSE – VI(C)	C) Analytical Solid Geometry	
		SEC-I	Communication Skills or Professional Skills	
		SEC-II	(A) Theory of Equations (OR) (B) Logic & Sets	
		SEC-III	Leadership & Management Skill (OR) Universal Human Values	
		SEC-IV	(A) Number Theory (OR)(B) Vector Calculus	
		Generic Elective	A) Basic Mathematics (OR) (B) Mathematics for Economics &	
	(STATISTIC S)	Paper - I (DSC - A)	Descriptive Statistics and probability	
		Practical – 1	Descriptive Statistics and probability	
		(DSC - B)	Probability distributions	

		Practical – 2	Probability distributions	
		SEC – 1	UGC Specified	
		SEC – 2	Data Collection, Presentation and Interpretation	
		Paper - III(DSC - C)	Statistical Methods and Estimation	
		Practical – 3	Statistical Methods and Estimation	
		SEC – 3	UGC Specified	
		SEC – 4	Data Scaling Techniques and Report writing	
		(DSC - D)	Statistical Inference	
		Practical – 4	Statistical Inference	
		(DSE - A)	Applied Statistics - 1	
		Paper – V (B) (DSE	Analytical Statistics - 1	
		Practical – 5(A)	Applied Statistics - 1	
		Practical – 5(B)	Analytical Statistics - 1	
		Paper VI – GE	Basic Statistics	
		Paper – VII (A) (DSE	Applied Statistics - 2	
		Paper – VII (B) (DSE	Analytical Statistics - 2	
		Practical – 7(A)	Applied Statistics - 2	
		Practical – 7(B)	Analytical Statistics - 2	
		Paper - VIII Project / DSE - C	Operations Research	
	(Computer Science)		Programming in C	
			Programming in C++	
			Data Structures using C++	
			Data Base Management Systems (DBMS)	
			Programming in Java	
			Web Technologies	
		AECC	Fundamentals of Computers	

		SEC	Communication Skills (or) Professional Skills (Sec - I)	
			Python –I (Sec –II)	
			Leadership & Management Skill (or) (Sec - III) Universal Human Values	
			Python –II (Sec –IV)	
		Generic Elective (GE)	Information Technologies	
		Project/Optional	PHP with MY SQL	
539	Bsc(MSDs)			2020
	Mathematics	DSC - I	Differential & Integral Calculus	
		DSC - II	Differential Equations	
		DSC - III	Real Analysis	
		DSC - IV	Algebra	
		DSC - V	Linear Algebra	
		DSE – VI(A)	A) Numerical Analysis	
		DSE – VI(B)	(B) Integral Transforms	
		DSE – VI(C)	C) Analytical Solid Geometry	
		SEC-I	Communication Skills or Professional Skills	
		SEC-II	(A) Theory of Equations (OR) (B) Logic & Sets	
		SEC-III	Leadership & Management Skill (OR) Universal Human Values	
		SEC-IV	(A) Number Theory (OR)(B) Vector Calculus	
		Generic Elective	A) Basic Mathematics (OR) (B) Mathematics for Economics &	
	(STATISTICS)	Paper - I (DSC - A)	Descriptive Statistics and probability	
		Practical – 1	Descriptive Statistics and probability	
		(DSC - B)	Probability distributions	
		Practical – 2	Probability distributions	
		SEC – 1	UGC Specified	
		SEC – 2	Data Collection, Presentation and Interpretation	

		Paper - III (DSC - C)	Statistical Methods and Estimation	
		Practical – 3	Statistical Methods and Estimation	
		SEC – 3	UGC Specified	
		SEC – 4	Data Scaling Techniques and Report writing	
		(DSC - D)	Statistical Inference	
		Practical – 4	Statistical Inference	
		(DSE - A)	Applied Statistics - 1	
		Paper – V (B) (DSE	Analytical Statistics - 1	
		Practical – 5(A)	Applied Statistics - 1	
		Practical – 5(B)	Analytical Statistics - 1	
		Paper VI – GE	Basic Statistics	
		Paper – VII (A) (DSE	Applied Statistics - 2	
		Paper – VII (B) (DSE	Analytical Statistics - 2	
		Practical – 7(A)	Applied Statistics - 2	
		Practical – 7(B)	Analytical Statistics - 2	
		Paper - VIII Project /	Operations Research	
	(DATA SCIENCE)	Paper - I (DSC - A)	Fundamentals of Information Technology (T1)	
		Practical – 1	Fundamentals of Information Technology (T1)	
		Paper - II (DSC - B)	Problem solving and Python Programming (T2)	
		Practical – 2	Problem solving and Python Programming (T2)	
		SEC – 1	University Specified	
		SEC – 2	Mini Project	
		Paper - III (DSC - C)	Data Engineering with Python (T3)	
		Practical – 3	Data Engineering with Python (T3)	
		SEC – 3	University Specified	
		SEC – 4	Mini Project	
		Paper - IV (DSC - D)	Machine Learning (T4)	
		Practical – 4	Machine Learning (Lab)	

		Paper – V (A) (DSE)	Natural Language Processing	
		Paper – V (B) (DSE)	No SQL Data Bases	
		Practical – 5(A)	Natural Language Processing	
		Practical – 5(B)	No SQL Data Bases (Lab)	
		Paper VI GE	Data Structures and Algorithms	
		Paper – VIII (A)	Big Data	
		Paper- VII (B) (DSE)	Deep Learning	
		Practical – 7(A)	Big Data (Lab)	
		Practical – 7(B)	Deep Learning (Lab)	
		Paper VIII (B)	Major Project	
672	MBA	MB101	Management & Organizational Behaviour	
		MB102	Accounting for Management	
		MB103	Marketing Management	
		MB104	Statistics for Management	
		MB105	Economics for Managers	
		MB106	IT Applications for	
		MB107	a. Financial Markets and	
		MB108	Computer Practical's	
		MB201	Human Resources Management	
		MB202	Financial Management	
		MB203	Operations Research	
		MB204	Entrepreneurship and	
		MB205	Business Research Methods	
		MB206	Business Law and Ethics	
		MB207	a. Innovation Management b.	
		MB208	Seminar Presentation *	
		MB301	Operations Management	

		MB302	E- Business	
		MB303	Total Quality Managemen	
		MB304	Global Business Strategies	
		MB 305-F-	Investment Management	
		MB 305-F-	International Finance	
		MB 305-	Marketing Engineering	
		MB 305-	Advertisement and Retail	
		MB 305-	Industrial Relations and Labour	
		MB 305-	Organizational Development	
		MB 305-S-	Data Base Management	
		MB 305-S-	Business Analytics	
		MB306	Project work Synopsis	
		MB401	Business Policy & Strategy	
		MB402	Business Intelligence	
		MB403	Supply Chain Management	
		MB 404-F-	Financial Risk Management	
		MB 404-F-	Banking and Insurance	
		MB 404-	Buyer Behaviour	
		MB 404-	Services and Digital Marketing	
		MB 404-	Leadership and Change	
		MB 404-	Performance Management	
		MB 404-S-	Data Visualization	
		MB 404-S-	Data Mining For Business	
		MB405	Project Work	
		MB406	Comprehensive Viva - Voce	
862	MCA	PCC101	Mathematical Foundations of	
		PCC102	Data Structures using C	
		PCC103	Object Oriented Programming	

		PCC104	Computer Architecture	
		PCC105	Probability & Statistics	
		MGC106	Managerial Economics and	
		LCC151	Data Structures using C Lab	
		LCC152	Java Programming Lab	
		HSC153	Soft Skills Lab	
		PCC 201	Operating Systems	
		PCC 202	Database Management System	
		PCC 203	Design and Analysis	
		PCC 204	Artificial Intelligence	
		PCC 205	Machine Learning	
		MGC 206	Operations Research	
		LCC 251	Operating Systems Lab	
		LCC 252	AI with Python Lab	
		LCC 253	Database Management Systems	
		PCC301	Software Engineering	
		PCC302	Computer Networks	
		PCC303	Data Science	
		PCC304	Web Technologies	
		PEC311	Information Security	
		PEC312	Distributed Systems	
		PEC313	Internet of Things	
		PEC314	Information Retrieval System	
		PEC321	Network Security	
		PEC322	Software Quality Testing	
		PEC323	Image Processing	
		PEC324	Natural Language Processing	
		LCC351	Computer Networks Lab	

		LCC352	Software Engineering Lab	
		LCC353	Data Science Lab	
		SIP 321	Summer Internship*	
		ETC401	Data Mining	
		ETC402	Artificial Intelligence	
		PCC403	Software Engineering	
		PEC411	Block Chain Technologies	
		PEC412	Big Data Analytics	
		PEC413	Cloud Computing	
		PEC413	Deep Learning	
		PEC421	Cyber Security	
		PEC422	Digital Forensics	
		PEC423	Optimization Techniques	
		PEC424	Enterprise Architecture	
		OE 431	Professional Ethics	
		OE 432	Constitution of India	
		OE 433	Disaster Management	
		OE 434	Organization Behaviour	
		OE 435	Intellectual Property & Cyber	
		OE 436	Environmental Science	
		Proj401	Project Work	
505	M.Sc	M 101	Abstract Algebra	2005
		M 102	Mathematical Analysis	
		M 103	Ordinary and Partial	
		M 104	Elementary Number Theory	
		M 105	Discrete Mathematics	
		M 201	Galois Theory	
		M 202	Lebesgue measure &	

		M 203	Complex Analysis	
		M 204	Topology	
		M 205	Theory of Ordinary Differential	
		AM 101	Abstract Algebra	
		AM 102	Mathematical Analysis	
		AM 103	Ordinary and Partial	
		AM 104	Mechanics	
		AM 105	Integral Transforms	
		AM 201	Galois Theory	
		AM 202	Lebesgue Measure &	
		AM 203	Complex Analysis	
		AM 204	Fluid Mechanics	
		AM 205	Theory of Ordinary Differential	
		MM 301	Complex Analysis	
		MM 302	Functional Analysis	
		MM 303	Discrete Mathematics	
		MM 303	Analytic Number Theory	
		MM 303	Differential Geometry	
		MM 304	Operation Research	
		MM 304	Numerical Techniques	
		MM 304	Algebraic Number Theory	
		MM 351	Complex Analysis	
		MM 352	Functional Analysis	
		MM 353	Discrete Mathematics	
		MM 353	Analytic Number Theory	
		MM 353	Differential Geometry	
		MM 354	Operation Research	
		MM 354	Numerical Techniques	

		MM 354	Algebraic Number Theory	
		MM 401	Advanced Complex Analysis	
		MM 402	General Measure Theory	
		MM 403	Integral equations and Calculus	
		MM 403	Mechanics	
		MM 403	Finite Difference Method	
		MM 404	Elementary Operator Theory	
		MM 404	Prime Number Theory	
		MM 404	Advanced Operation Research	
		MM 404	Project	
		MM 451	Practical Advanced Complex	
		MM 452	General Measure Theory	
		MM 453	Integral equations and Calculus	
		MM 453	Mechanics	
		MM 453	Finite Difference Method	
		MM 454	Elementary Operator Theory	
		MM 454	Prime Number Theory	
		MM 454	Advanced Operation Research	