1.2.2 - Additional Information - List of Electives Offered

1.2	.2 - Additiona	Information - List of Electives Offered	
Name of Programmes adopting elective course system	Course Code	Course Name	Course Type
B.E AERONAUTICAL	AE16905	Introduction to Aviation	
ENGINEERING	AE16906	Basics of Airport Engineering	-
	AE16907	Crisis Management in Aircraft Industry	-
	AE16908	Foundations of Space Science	Open Elective
	AE19901	Fundamentals of Aircraft Engineering	
	AE19902	Wind Power Engineering	-
	AE16351	Cryogenic Engineering	
	AE16352	Combustion Technology .	-
	AE16353	Advanced Propulsion Techniques	-
	AE16354	Flight Control System	-
	BA16151	Professional Ethics and Human Values	7
	BA16253	Total Quality Management	
	BA16352	Engineering Economics	7
	BA16451	Entrepreneurship Development	Professional
	AE19151	Experimental Aerodynamics	Elective
	AE19152	Vibrations and Elements of Aeroelasticity	1
	AE19153	Aircraft Materials	7
	BA19251	Principles of Management	7
	AE19251	Aero Engine Maintenance and Repair	7
		Space Mechanics	7
		Additive Manufacturing	
		Boundary Layer Theory	
B.E.AGRICULTURE		Automation in Irrigation	
ENGINEERING		Forest Resource Management	
_		Organic farming Technologies	Open Elective
		Energy Management in Agriculture	]
		Organic Farming Technologies	
		Micro Irrigation Systems	]
_		Mechanics of Tillage and Traction	
		Agricultural Business Management	] .
_		Horticulture Crop Process Engineeering	
		Disaster management	
	A116453 S	Special Farm Machinery and Equipment	
	A116454 R	Renewable Energy Resources and Technology	Dua fara i arrat
	AI19151 S	torage And Package Engineering	Professional Elective
		ndustrial Safety Management	Dictive
	AI19153 F	arm Power and Machinery Management	
		ntrepreneurship Development	
		ood and Diary Process Engineering	
_		pecial Farm Machinery and Equipment	
٨	ALIVIN	nergy and Environmental Auditing and its  Ianagement	
5/2	ATT9254 O	n-Farm Water Management	W

DEAN - ACADEMICS
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B.E CIVIL	CE16906	Computer Aided Design of Structures	
ENGINEERING	CE16907	Disaster Management	
	CE16908	FiniteElement Techniques	- ·
	CE16909	Engineering Economics and Cost Analysis	Open Elective
	· CE16910	Environmental Impact Assessment	- Open Elective
	CE19901	Building Services	-
	CE19902	Housing Planning and Management	-
	CE16251	Industrial Waste Water Engineering	
	CE16252	Traffic Engineering and Management	-
	CE16253	Municipal Solid Waste Management	-
	CE16254	Railways, Airports and Harbour Engineering	-
	MA16751	Operations Research	-
	CE16351	Power plant Structures	-
	CE16352	Bridge Structures	- ·
	CE16353	Maintenance, Repair And Rehabilitation of	-
		Structures	
	CE16354	Total Quality Management	-
	BA16151	Professional Ethics And Human Values	- ·
	CE16451	Ground Improvement Techniques	1
	· CE16452	Prefabricated Structures	
	CE16453	Industrial Structures	Professional
	CE16454	Tall Structures	Elective
	CE16455	Introduction to Soil Dynamics and Machine	
	CE19151	Concrete Technology	1
	CE19152	Pavement Engineering	
	CE19153	Green Building	1
	CE19154	Remote Sensing	
	CE19251	Construction Planning and Scheduling	
	CE19252	Total Station and GPS Surveying	
	CE19253	Advanced Construction Techniques	
	CE19254	Environmental and Social Impact Assessment	
	CE19351	Engineering	
	CE19352	Modern Construction Materials	
	CE19353	Municipal Solid Waste Management	
	CE19354	Traffic Engineering and Management	
B.E - COMPUTER	CS16904	Green Computing	
SCIENCE AND	CS16905	Web Content Development	Open Floatin
ENGINEERING	CS19901	Data Base Management Systems	Open Elective
	CS19902	Introduction to Block Chain Technologies	
	CS16251	Semantic Web	
	CS16252	Wireless Sensor Networks	
	CS16253	Data Science	
	CS16254	Internet of Things	. [
	BA16351	Engineering Economics and Financial Accounting	Professional
	CS16351	Advanced Database Technology	Elective
	CS16352	Ad-hoc Networks	
Λ	CS16353	Graph Theory and Applications	
	CS16354	User Interface Design	(W
/ X	CS16355	Distributed Systems	

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	CS16451	Agile Software Development	-
	CS16452	Service Oriented Architecture	-
	CS16453	Digital Image Processing	-{
	CS16454	Soft Computing	-
	BA16451	Entrepreneurship Development	-
	CS16551	Software Testing	
	CS16552	Robotics	-
	CS16553	Machine Learning	-
	CS16554 MA16851	Mobile Computing	
	CS19151	Resource Management Techniques	
		Mobile computing	1
	CS19152	Software Quality Assurance	-
	CS19153 CS19154	Cyber Security Essentials	1
	CS19134	Soft Computing	-
		Component Based Technology	
	CS19252	Wireless Sensor Networks	{
	CS19253	Natural Language Processing	-
B.E-ELECTRONICS	CS19254 EC16904	Social Network Analysis	
AND	EC16904 EC16907	Radar and Navigational aids Automotive Electrical and Electronics System	1
COMMUNICATION	EC19901		Onen Flortino
ENGINEERING	EC19901	Basics of Communication Engineering	Open Elective
ENGINEERING	EC19902	Introduction to Geographic Information System	
	EC16351	Digital Image Processing	
	EC16352	Speech Processing	
	EC16353	Electromagnetic Interference and Compatibility	
	EC16354	Telecommunication System modelling and simulation	
	EC16451	Television and Advanced Display Systems	
	EC16452	Space Time Communication	
	EC16453	Web Technology	
•	EC16454	Biosignal Processing	
	EC16551	Optoelectronic Devices	
	EC16552	Micro-Electro-Mechanical Systems	
	EC16553	Mobile OS	
	EC16554	Multimedia Compression and Communication	Professional
	EC16651	Medical Electronics	Elective
	EC16652	Cellular Mobile Communication	
	EC16653	RF Microelectronics	
	EC16654	Virtual Instrumentation	
	EC19151	Medical Electronics	
	EC19152	Wireless System and Standards	
	EC19153	Digital Switching and Transmission	
	EC19154	Computer Architecture and Organisation	
	EC19251	Speech Processing	
	EC19252	Wireless Networks	
	DEC19253	Display Technologies	
	IT19255	Object Oriented Programming	m
5)	EC19351	Digital Image Processing	111
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	EC19352	Network Security	
	EC19353	Nanoelectronics	
	IT19355	Artificial Intelligence	
B.E- ELECTRICAL	EE16905	Embedded System Design	
AND ELECTRONICS	EE16906	Solar and Wind Energy Engineering	
<b>ENGINEERING</b>	EE19901	Power Electronic Systems	Open Electiv
	EE19902	Basics of Power Systems Engineering	
	EE16351	EHV AC and DC Transmission	
	EE16352	Energy Auditing	1
	EE16353	High Voltage Engineering	1
	EE16354	Computer Networks	1
	EE16355	Design with PIC Microcontroller	1
	EE16451	Testing and Commission of Electrical Equipments	
	EE16452	Power Quality	
	EE16453	Virtual Instrumentation	1
	EE16454	Computer Aided Design of Electrical	Professional Elective
	BA16253	Total Quality Management	·Dicelive
	EE19151	Bio Medical Engineering	1
	EE19152	Nano Science	1
	EE19153	VLSI Design and Circuits	1
	EE19154	Communication Engineering	1
	EE19251	Restructured Power Systems	i
	EE19252	Power System Dynamics	
	EE19253	Flexible AC Transmission System	1
	EE19254	Programmable Logic Controllers	i
B.E - MECHANICAL	ME16904	Energy Conservation and Management	
ENGINEERING	ME16905	Safety Engineering and Environmental Systems	
	ME16906	Plant Layout and Material Handling	Open Elective
	ME19901	Renewable Energy Sources	
	ME19902	3D Printing	
	ME16251	Maintenance Engineering	
	. ME16252	Non-Destructive Evaluation Techniques	
, i	ME16253	Design of Jigs, Fixtures and Press Tools	
	ME16254	Micro Electro Mechanical Systems	
	ME16255	CNC Technology	
	ME16351	Productivity Management and Re- Engineering	
	ME16352	Tool Design	
	ME16353	Welding Technology	Professional
	ME16354	Composite Materials and Mechanics	Elective
	BA16451	Entrepreneurship Development	
	ME16451	Production Planning and Control	
	ME16452	Refrigeration and Air Conditioning	
	ME16453	Industrial Tribology	
//[	ME16454	Advanced I.C. Engines	. ,
$\leq \chi$	BA16352	Engineering Economics	M
- th: 11:A	ME19151	Advanced Internal Combustion Engines	

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	ME19152	Industrial Robotics	
	ME19153	Composite Materials	-
	ME19154	Hydraulies and Pneumatics	
	ME19251	Micro Electro Mechanical Systems	-
	ME19252	Smart Materials	-
	ME19253	Gas Dynamics and Jet Propulsion	-
	ME19254	Process Planning and Cost Estimation	
B.E -	MT16906	Vetronics	<del> </del>
MECHATRONICS	MT16907	Industrial Automation	-
	MT16908	Advanced Manufacturing Management	-
	MT16909	Intelligent Manufacturing Technology	Open Elective
	MT16910	Nano Technology	- Open Elective
	. MT19901	Non-Destructive Testing	-
	MT19902	Mobile and Autonomous Robots	1
	MT16251	Engineering Economics and Cost Analysis	
	MT16252	Additive Manufacturing	1
	MT16253	Embedded System Design	1
	IT16501	Computer Networks	1
	MT16254	Design of Jigs, Fixtures and Press Tools	1
	MT16351	Mechatronics Systems Design	1
	MT16352	Finite Element Analysis	1
	BA16254	Principles of Management	1 .
	MT16353	Non-Traditional Machining Processes	1
	MT16354	Industrial Electronics and Applications	1
	BA16253	Total Quality Management	1
	IT16302	Database Management Systems	1
	MT16451	Computational Fluid Dynamics	1
	. MT16452	Advanced Sensor Technology	Professional
	MT16453	Renewable Energy Sources	Elective
	MT16551	Intellectual Property Rights	Ziccare
	МТ16552	Artificial Intelligence	1
	MT16553	Concepts of Engineering Design	
	MT16554	Internal Combustion Engines	
	MT16555	Flexible Manufacturing Systems	1
	MT19151	Digital Signal Processing	1
	MT19152	Advanced Manufacturing Processes	1
	MT19153	Diagnostic Techniques	
	MT19154	Product Design and Costing	1
	IT19256	Computer Communication Networks	
	MT19251	Engineering Economics and Cost Analysis	5.17
	MT19252	Design of Jigs, Fixtures and Press Tools	
	MT19253	Additive Manufacturing	
B.E BIOMEDICAL	· BM16903	Introduction to Data science and Bioinformatics	
ENGINEERING	BM16904	Hospital Management	
*,	BM19901	Industrial Nanotechnology	Open Elective
	BM19902	Biomedical Waste Management	
	BM16351	Tissue Engineering	
/	BM16352	Rehabilitation Engineering	Professional
~ V	_/		Elective
$ \sqrt{2}$	BM16353	Design and Development of Medical Devices	10
DEAN - ACA	DEMICS		

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BM16451 Biometric Systems  BM16452 Fundamentals of Biomedical Nanotechnology BM16453 Digital Health Care BM16454 Advanced Medical Imaging Systems BM16551 Artificial Organs and Implants BM16552 Embedded Systems and 1oT in Healthcare BM16553 Physiological Modeling BM16554 Robotics and Automation in Medicine BM16550 Verarable Systems BM16655 Uvitual Reality in Medicine BM16651 Vitual Reality in Medicine BM16652 Wearable Systems BM116653 Quality Control in Biomedical Engineering BM19151 Biomedical Informatics BM19152 Vitual Bioinstrumentation BM19152 Vitual Bioinstrumentation BM19153 BioMEMS BM19154 Medical Optics BM19251 Telemedicine and PACS  BM19254 Advanced Medical Instrumentation Technology BM19253 Pattern Recognition and Neural Networks BM19254 Advanced Medical Signal Processing BM19259 Product Design And Development Analytical methods and Instrumentation MD19901 Biomedical Equipments MD19902 Basics of Bioinformatics MD16351 Medical Devices Regulations MD16352 Rehabilitation Engineering MD16353 Medical Devices Regulations MD16354 Medical Ethics and Safety MD16455 Artificial Organs and Instrumentation Technology MD16450 Advanced Medical Instrumentation Technology MD16451 Smart Wearable Systems Fundamentals of Biomedical Nanotechnology MD16454 Telehealth Technology MD16554 Telehealth Technology MD16555 Pordamentals of Biomedical Instrumentation MD16556 Pordamentals of Biomedical Instrumentation MD16557 Departmental Systems and Internet of Things in Healthcare MD16558 Dody Area Network MD16559 Digital Video Processing MD16550 Quality Control in Biomedical Engineering MD16554 Relebealth Technology MD16655 Quality Control in Biomedical Engineering MD16554 Relebealth Technology MD16655 Quality Control in Biomedical Engineering MD19151 Robotics and Automation		BM16354	Medical EthicsStandards and Safety	
BM16452   Fundamentals of Biomedical Nanotechnology   BM16454   Advanced Medical Imaging Systems   BM16454   Advanced Medical Imaging Systems   BM16551   Artificial Organs and Implants   BM16552   Embedded Systems and IoT in Healthcare   BM16553   Physiological Modeling   BM16554   Robotics and Automation in Medicine   BM16655   Wearable Systems   BM16661   Wittual Reality in Medicine   BM16663   Quality Control in Biomedical Engineering   BM16663   Quality Control in Biomedical Engineering   BM16654   BM16653   BM16654   BM16654   Medical Radiation Safety   BM19151   Biomedical Informatics   BM19152   Virtual Bioinsrumentation   Biomedical BM19153   Biomedical Informatics   BM19153   Biomedical Informatics   BM19251   Telemedicine and PACS   BM19251   Telemedicine and PACS   BM19252   Advanced Medical Signal Processing   BM19253   Pattern Recognition and Neural Networks   BM19254   Advanced Medical Signal Processing   BM19254   Advanced Medical Engineering   MD16903   Product Design And Development   MD16904   Analytical methods and Instrumentation   MD19902   Basics of Bioinformatics   MD16353   Medical Devices Regulations   MD16354   Medical Devices Regulations   MD16355   Rehabilitation Engineering   MD16354   Medical Engineering   MD16355   Pundamentals of Nano science   MD16354   Medical Engineering   MD16454   Introduction to Mobile App Development   MD16455   Artificial Organs and Implants   Embedded Systems   Fundamentals of Biomedical Nanotechnology   MD16454   Introduction to Mobile App Development   MD16555   Healthcare   MD16554   Telehealth Technology   MD16651   Virtual Instrumentation   MD16655   Digital Video Processing   MD16651   Virtual Instrumentation   MD16654   Brain Computer Interface and its Applications   MD19151   Robotics and Automation   MD19152   Neural Network and its applications   MD19154   Rebotics and Automation   MD19155   Neural Network and its applications   MD19155   Neural Network and its applications   MD19155   Neural Network and its applications   MD19155   Neural Netw				
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	MD19154	Medical Famed Systems	
	MD19134	Medical Expert Systems VLSI design	-
	MD19252	Pattern Recognition	-
	111017232	Tattern Recognition	-
	MD19253	Advanced Medical Instrumentation Technology	
	MD19254	Telehealth technology	
B.TECH-CHEMICAL	CM16903	Corrosion Engineering	
ENGINEERING	CM16904	Process Instrumentation	
	CM19901	Solid Waste Management	Open Elective
	CM19902	Environmental Pollution and Control	
	CM16251	Oil and Natural Gas Engineering	
	CM16252	Polymer Technology	
	. CM16253	Food Technology	1
	CM16254	Green Chemistry and Engineering	
	CM16351	Fertilizer Technology	
	CM16352	Process Optimization	1
	CM16353	Computational Fluid Dynamics	1
	CM16354	Piping Engineering	1 ,
	CM16451	Process Modelling and Simulation	1
	CM16452	Modern Separation Processes	
	CM16453	Petroleum Refining Engineering	Professional
	BA16253	Total Quality Management	Elective
	CM19151	Chemical Industries Management and IPR	
	CM19152	Water Conservation and Management	
	CM19153	Pulp and Paper Technology	
	CM19154	Nanomaterials: Synthesis, Characterization and Application	
	. CM19251	Biochemical Engineering	-
	CM19252	Polymer Science and Engineering	
	CM19253	Food Technology	
	CM19254	Material Technology	
в.тесн-	IT16901	Green Computing	
INFORMATION	IT16902	Information Technology Essentials	
TECHNOLOGY	IT16903	Open Source Technologies	Open Elective
	IT19901	Information Technology Essentials	open zatetite
	IT19902	Green Computing	
	IT16351	Adhoc and Sensor Networks	
	IT16352	C# And .Net Framework	
	IT16353	Software Quality Assurance	
	IT16354	Big Data and Analytics	
	IT16355	Internet of Things	
	IT16451	J2EE	
	· IT16452	Agile Software Development	Professional
	IT16453	Machine Learning	Elective
	IT16454	Software Testing	
	IT16455	Soft Computing	
	IT16551	Digital Enterprise Resource Planning	
Λ [	IT16552	Service Oriented Architecture	
	JF16553	Foundations of Blockchain Technology	W
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	BA16253		
	IT19151	Information Coding Techniques	
	IT19152	Machine Learning	
	IT19153	Graphics and Multimedia	
	1T19154	C# and .Net framework	
	_ 1T19251	Distributed Systems	
	IT19252	Data Warehousing and Data Mining	
	1T19253	User Interface Design	
	IT19254	Advanced J2EE	
B.TECH-FOOD	FT16903	Food Processing Principles	
TECHNOLOGY	FT16904	Food Chemistry of Micronutrients	
	FT19901	Fundamentals of Food Processing	Open Electiv
	FT19902	Food Chemistry of Macronutrients	
	FT16251	Food Flavourants and Colourants	
	FT16252	Enzyme Technology	
	FT16253	Food Plant Sanitation	
	FT16254	Nano Technology in Food	-
	FT16351	Food Preservation Technology	-
	FT16352	Sensory Evaluation	
	FT16353	Research Methodology	- '
	. FT16354	Cane Sugar Technology	-
	FT16451	Beverage Technology	-
	FT16452	Plantation and Spices Product Technology	_
	FT16453	Food Stoarage Engineering	_
		Application of Renewable Energy in Food	
	FT16454	processing	Professional
	FT16551	Emerging Technology in Food Processing	Elective
		Creativity, Innovation and New Product	Liective
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	FT16553	Enterpreneurship Development	_
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	FT19151	Milling Technology	$\dashv$
	FT19152	Food Fermentation Technology	-
	FT19153	Food Additives	4
	FT19154	Food Process Economics and Industries	- ·
	· FT19251	Cane Sugar Technology	-
	FT19252	Beverge Technology	_
	FT19253	Technology of Food Preservation	_
	FT19254	Research Methodology	-
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HARMACEUTICAL	PT16903	Plant and Animal Diseases and Their Control	
TECHNOLOGY	PT16904	Introduction to Pharmacoutical Technology	0 11
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		Medicinal Natural Products	
		Regulatory Toxicology	
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z ()		Diagnostics And Therapeutics	Professional
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NOW YOUR		Vaccine Technology	m
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PPS19153 High Power Converters	DEAN - ACADEMICS High Power Converters	ENGINEERING			
	DEAN - AUADEMIUS	02	PPS19153 F	High Power Converters	(

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	PPS19154	Wind and Solar Systems	
	PMA19152	Mathematical Methods in Power Engineering	
	PPS19251	Electrical Power Distribution System	
	PPS19252	Analysis and Design of Power Converters	]
	PPS19253	Electric and Hybrid Vehicles	]
	PPS19351	Restructured Power Systems	]
	PPS19352	Advanced Digital Signal Processing	,
	PPS19353	Dynamics of Electrical Machines	]
	PPS19354	Solar and Energy Storage Systems	
	PPS19451	Advanced Microcontroller Based Systems	
	PPS19452	SCADA System and Application	] .
	PPS19453	Power Quality	
	· PPS19454	Artificial Intelligence and its Application	
M.E STRUCTURAL	PMA19901	Operation Research	
ENGINEERING	PCE19901	Business Analysis	
	PED19901	Industry safety	Open Elective
	PED19902	Composite Materials	Jopen Elective
	PED19903	Waste to Energy	1
	PSE19901	Cost Management of Engineering Projects	
	PSE19151	Theory of Plates	1
	PSE19152	Advanced Concrete Technology	
	PSE19153	Theory of Structural Stability	]
	PMA19151	Advanced Mathematical Methods	1
	PSE19251	Structural Health Monitoring	
	PSE19252	Smart Structures and Smart Materials	1
	PSE19253	Prefabricated Structures	1
	PSE19254	Earthquake Resistant Design	1
	PSE19351	Advanced Steel Design	
	PSE19352	Design of Formwork	1
	PSE19353	Design of High Rise Structures	Professional
	PSE19354	Non Linear Analysis of Structures	Elective
	PSE19451	Design of Advanced concrete Structures	
	PSE19452	Design of Sub Structures	1
	PSE19453	Experimental Techniques and Model Analysis	
	20010151		4
	PSE19454	Design of Industrial Structures	-
	PSE19551	Design of Prestressed Concrete Structures	-
	PSE19552	Analysis of Laminated Composite Plates	-
	PSE19553	Fracture Mechanics	-
	PSE19554	Design of Wind and Cyclone Effects on	
		Structures	
MASTER OF	BA19G01	Indian Ethos in Modern Management	
BUSINESS	BA19G02	Corporate Image Building	+
ADMINISTRATION	BA19G03	Analysis of Managerial Decision .	Dan Caral
	BA19G04	Entrepreneurship Development	Professional
	BA19G05	Event Management	Elective
	BA19G06	Disaster Management	/
4/	BA19M01	Integrated Marketing Communication	D
DEAN-ACAE	EMICS -	Services Marketing	

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	BA19M03	Retail Management	
	BA19M03	International Marketing	4
	BA19M05	Digital and Social Media Marketing	-
	BA19M06	Marketing Research and Analytics	
	BA19F01	Security Analysis and Portfolio Management	- '
	BAISIOI	Security Analysis and Portfolio Management	
	BA19F02	Merchant Banking and Financial Services	_
	BA19F03	Corporate Finance	_
	BA19F04	Insurance and Risk Management	-
	BA19F05	Financial Derivatives	-
	BA19F06	International Financial Management	_
	BA19H01	Training and Development	_
	BA19H02	Industrial Relations and Labour Welfare	_
	BA19H03	Cross Cultural Management	-
	BA19H04	Strategic Human Resource Management and	
		Development	
	BA19H05	Labour Legislations	-
	BA19H06	HR Analytics	-
	BA19S01	Enterprise Resource Planning	$\dashv$
	BA19S02	Software Project Management	- ·
	. BA19S03	Business Intelligence	-
	BA19S04	Big Data Analytics and Data Mining	-
	BA19S05	Information Security Management	
	BA19S06	Cloud Computing	$\dashv$
	BA19P01	Supply Chain and Logistics Management	4
	BA19P02	Process Management	-
	BA19P03	Product Design	$\dashv$
	BA19P04	Lean Management	-
	BA19P05	Project Management	$\dashv$
	BA19P06	Technology, Innovation and New Product	
		Management	
MASTER OF	CA20151	Linux Internals	-
COMPUTER	CA20152	Information Security	-
APPLICATIONS	CA20153	Object Oriented Software Engineering	٠.
	CA20154	Advanced Database	-
	· CA20251	PHP with MySQL	-{
	CA20252	High Performance Computing	Professional
	CA20253	Software Project Management	Elective
	CA20254	Organizational Behavior	-
	CA20351	Artificial Intelligence	-
	CA20352	Block Chain Technology	1
	CA20353	Agile Software Engineering	1
	CA20354	Enterprise Resource Planning	-

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1.2.2 - Additional Information - List of One Credit Courses Offered

Name of Programmes adopting elective course system	Course Code	Course Name	Course Type
B.E AERONAUTICAL	AE19951	Design Thinking	ONE CREDIT
ENGINEERING	AE19952	General awareness, Communication and Aero Engines	COURSE
	AE19953	Mesh Tools For Industrial Approach	
	AE19954	NPTEL Understanding Design	
	AE19955	NPTEL Design of fixed wing Unmanned Aerial Vehicles	
B.E CIVIL	- CE19101	Advanced Surveying using Total Station	ONE CREDIT
ENGINEERING	CE19102	Building Valuation	COURSE
	CE19103	Safety in Construction	
	CE19104	Structural Analysis and Design using Staad Pro	
	CE19105	Building Information Modelling using Revit Architecture	
	CE19106	Project Management using Primavera	
B.E - COMPUTER	CS19951	Ameat (Online Placement Aptitude Certification)	ONE CREDIT
SCIENCE AND	CS19952	e-litmus (Online Placement AptitudeCertification)	COURSE
ENGINEERING	CS19953	Nasscomnac-tech (Online PlacementAptitude Certification)	
	CS19954	I - pat (Online Placement AptitudeCertification)	
	CS19955	NPTEL / Swayam (Online courses)	_
	CS19956	Spoken Tutorial - Java BusinessApplication	_
	CS19957	Oracle - SQL Fundamentals	
	CS19958	Oracle - Java Fundamentals	
	CS19959	CCNA - Certification	_
	CS19960	SCJP / OCP JP - Sun Certified Java Programmer / Oracle Certified Professional Java Programmer	
	CS19961	Android application Development	$\dashv$
	CS19962	PC Hardware and Troubleshooting	
	CS19963	E - commerce security	
	CS19965	Coursera(Online courses)	<del>-</del> :
	CS19966	Edx(Online courses)	
	CS19967	Udenry(Online courses)	
	CS19968	Spoken Tutorial - R	_
	CS19969	Spoken Tutorial - Android APP UsingKOTLIN	_
	CS19970	Spoken Tutorial - PHP and MySQL	_
B.E-ELECTRONICS			
AND		Android Application Development	ONE CREDIT
COMMUNICATION		PC Hardware Assembling and Trouble Shooting	COURSE
ENGINEERING		Cisco Certified Network Associate	_
		E-Commerce Security	
-		NPTEL / Swayam (Online Courses)	
E ELECTROLO LA LAND		Spoken Tutorial Courses	
E- ELECTRICAL AND ELECTRONICS		Best Maintenance Practices in Low Voltage Switchgear	ONE CREDIT
		Breaker Maintenance Workshop C-Power Air Circuit Breaker	COURSE
ENGINEERING		Electrical Design of Switchgear Assembly	
		Power Distribution in Buildings	
		Selection and Application of Drives	
		Industrial Protection with Numerical Relays	
		Creating a Printed Circuit Board	
	EE19958	Supervisory Control and Data Acquisition	
	EE19959	Design of Control Circuits	
B.E - MECHANICAL	ME19951	Non-Destructive Testing	ONE CREDIT
ENGINEERING		BD CAD Design	COURSE
		CNC Milling	7
		Solid Modeling	
		Industrial Robotics	
		Industrial Automation	
		Fluid Flow Simulation	
		Computer Aided Reverse Engineering	- /

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B.E - MECHATRONICS	MT19951	Maintenance and troubleshooting of hydraulic system	ONE CREDIT
in the last section in	MT19952	SCADA	COURSE
	MT19953	CATIA V5	
	MT19954	PLC Programming	
	MT19955	Control of Motors Using Special Drives	
	MT19956	Robot Programming	
	MT19957	Control Panel and Wiring	
B.E BIOMEDICAL	BM19951	Embedded program using Arduino	ONE CREDIT
ENGINEERING	BM19952	Pe hardware assembling and troubleshooting	COURSE
	BM19953	Basic electronic circuit design using Multisim	
	BM19954	Matlab programming	
	BM19955	Labview programming	
	BM19956	Open source programming using LINUX	
	BM19957	Pcb design using KICAD EDA tool	
	BM19958	VHDL programming	
	BM19959	NPTEL - swayam- 4 weeks course	٦.
B.EMEDICAL	MD19951	Embedded program using Arduino	ONE CREDIT
ELECTRONICS	MD19952	Pe hardware assembling and troubleshooting	COURSE
	MD19953	Basic electronic circuit design using Multisim	
	MD19954	Matlab programming	$\neg$
	MD19955	Labview programming	<b>-</b> 1.
	MD19956	Open source programming using LINUX	,
	MD19957	Pcb design using KICAD EDA tool	
	MD19958	VHDL programming	_
B.ECYBER SECURITY	CY20951	Amcat (Online Placement Aptitude Certification)	ONE CREDIT
S.ECIBER SECORITI	CY20952	e-litmus (Online Placement Aptitude Certification)	COURSE
+	CY20953	Nassconnac-tech (Online PlacementAptitude Certification)	
	CY20954	I - pat (Online Placement AptitudeCertification)	
	CY20955	NPTEL / Swayam (Online courses)	
	CY20956	Spoken Tutorial (Online courses)	
-	CY20957	Oracle – SQL Fundamentals	-
		Oracle - Java Fundamentals	-
	CY20958	CCNA – Certification	-
	CY20959		
	CY20960	SCJP / OCP JP - Sun Certified Java Programmer / Oracle Certified Professional Java Programmer	
	01/20061		·
	CY20961	Android application Development	
	CY20962	PC Hardware and Troubleshooting	_
	CY20963	E - commerce security	_
	CY20964	Coursera(Online courses)	`
	CY20965	Edx(Online courses)	_
	CY20966	Udemy(Online courses)	
B.TECH-CHEMICAL	CM19951	Introduction to Fuel Cell Technology	ONE CREDIT COURSE
ENGINEERING	CM19952	Insight to Hydrogen as Fuel	
	CM19953	Introduction to Petrochemicals	
	CM19954	Chemicals and Health	
	CM19955	Nanomaterials for Energy and Environment	
	CM19956	Outline to Biomaterials	_
	CM19957	Computer Applications in Chemical Engineering	
	CM19958	Pinch Technology	
	CM19959	Polymeric Materials	
	CM19960	Fabrication of Polymer Materials	

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B.TECII-	1T19951	Ameat (Online Placement Aptitude Certification)	· ONE CREDIT
INFORMATION	1T19952	e-litmus(Online Placement Aptitude Certification)	COURSE
TECHNOLOGY	1T19953	Nasscomnas-tech (Online Placement Aptitude Certification)	- COURSE
	IT19954	1-pat(Online Placement Aptitude Certification)	
	IT19955	NPTEL/Swayam (Online courses) – 4Weeks	_
	1T19956	Microsoft Courses	_
	IT19957	Spoken Tutorial-Advanced C++	
	IT19958	Spoken Tutorial-Java Business Application	
	IT19959	Spoken Tutorial-Linux & Ubuntu	_
	1T19960	Spoken Tutorial-BOSS Linux	
	1T19961	Spoken Tutorial- PHP & MySQL	_
	IT19962	Oracle-SQL fundamentals	-
	1T19963	Oracle-Java Fundamentals	_
		SCJP/OCPJP –Sun Certified Java Programmer / Oracle Certified	
	IT19964	Professional Java Programmer	
	1T19965	Android application Development	-
	1T19966	PC Hardware and Troubleshooting	
	1T19967	Cyber Security	
	1T19968	Mongo DB	-
	1T19969	Angular JS	┥.
B.TECH-FOOD	FT19951	Brewing Science and Practice	ONE CREDIT
TECHNOLOGY	FT19952	Renewable energy Technology	COURSE
	FT19953	Sea Food Processing Technology	COURSE
	FT19954	Equipment Design in Food Processing	$\dashv$
	FT19955	Nanomaterials for Energy and Environmental Remediation	_
	FT19956	Aquaculture	7
	FT19957	Outline to biomaterials	
	FT19958	Food Adulteration	
	FT19959	Analysis for Characterization of Nanomaterials	
	FT19960	Food Plant Design	7
B.TECH-	PT19951	Clinical Laboratory Techniques	ONE CREDIT
PHARMACEUTICAL	PT19952	First Aid and Emergency Care	COURSE
TECHNOLOGY	PT19953	Physical Chemistry of Polymers	7
	PT19954	Polymeric Materials	
	PT19955	Metabolic Engineering	
	PT19956	Analysis For Characterization of Nanomaterials	
	PT19957	Biophysical Methods	7
	PT19958	Bio- Medical Instrumentation	_
	PT19959	Advanced Techniques in Clinical Microbiology	一 .
	PT19960	Biophysical Engineering Laboratory	$\dashv$

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