

3.1

**Number of courses in all programmes  
yearwise during the current year**



**3.1****List of courses in all Programmes**

<b>Sr. No.</b>	<b>Name of Department</b>	<b>Page No.</b>
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4.	Department of Civil Engineering	9-12
5.	Department of Computer Science Engineering	13-21
6.	Department of Mechanical Engineering	22-25
7.	Department of Electrical Engineering	26-31
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9.	Department of Food Science & Technology	35-37
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12.	Department of Humanities, Languages & Cultural Studies	49
13.	IKGPTU Hoshiarpur Campus	50-59
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## 3.1 List of courses offered across all programs during last year 2021-22

Program code	Program name	Course code	Course name	Year of offering the course	
2723	PhD (Chemistry)	77360	Advanced Organic Chemistry	2021-22	
2723	PhD (Chemistry)	77372	Laboratory Practices & Safety	2021-22	
2723	PhD (Chemistry)	77390	Research Methodology	2021-22	
207	MSc Chemistry	CHL401-18	Inorganic Chemistry-I	2021-22	
207	MSc Chemistry	CHL402-18	Reactive Intermediates-I	2021-22	
207	MSc Chemistry	CHL403-18	Physical Chemistry-I	2021-22	
207	MSc Chemistry	CHL404-18	Spectroscopy - I	2021-22	
207	MSc Chemistry	CHL405-18	Environmental Chemistry	2021-22	
207	MSc Chemistry	CHL-406A-18	Human Physiology	2021-22	
207	MSc Chemistry	CHL-406B-18	Numerical Methods for chemists	2021-22	
207	MSc Chemistry	CHP407-18	Inorganic Chemistry Lab	2021-22	
207	MSc Chemistry	CHP408-18	Organic Synthesis Lab	2021-22	
207	MSc Chemistry	CHL411-18	Inorganic Chemistry-II	2021-22	
207	MSc Chemistry	CHL412-18	Reactive Intermediates-II	2021-22	
207	MSc Chemistry	CHL413-18	Physical Chemistry-II	2021-22	
207	MSc Chemistry	CHL414-18	Spectroscopy - II	2021-22	
207	MSc Chemistry	CHL415A-18	Chemistry of Materials	2021-22	
207	MSc Chemistry	CHL415B-18	Chemical Biology	2021-22	
207	MSc Chemistry	CHP416-18	Physical Chemistry Lab	2021-22	
207	MSc Chemistry	CHP417-18	Advanced Chemistry Lab-I	2021-22	
207	MSc Chemistry	CHL501-18	Inorganic Chemistry-III	2021-22	

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207	MSc Chemistry	CHL502-18	Advanced Organic Chemistry –I	2021-22	
207	MSc Chemistry	CHL503-18	Physical Chemistry-III	2021-22	
207	MSc Chemistry	CHL504-18	Advanced Characterization Techniques	2021-22	
207	MSc Chemistry	CHL505A-18	Biophysical chemistry	2021-22	
207	MSc Chemistry	CHL505B-18	Medicinal Chemistry	2021-22	
207	MSc Chemistry	CHL505C-18	Advanced Functional Materials	2021-22	
207	MSc Chemistry	CHP506-18	Advanced Chemistry Lab-II	2021-22	
207	MSc Chemistry	CHP507-18	Dissertation**	2021-22	
207	MSc Chemistry	CHL511-18	Advanced Organic Chemistry- II	2021-22	
207	MSc Chemistry	CHL512A-18	Advanced physical Chemistry	2021-22	
207	MSc Chemistry	CHL512B-18	Chemical Toxicology	2021-22	
207	MSc Chemistry	CHL512C-18	Supramolecular Chemistry	2021-22	
207	MSc Chemistry	CHL512D-18	Chemistry of Natural Products	2021-22	
207	MSc Chemistry	CHL512E-18	Green Chemistry	2021-22	
207	MSc Chemistry	CHL512F-18	Computational Chemistry	2021-22	
207	MSc Chemistry	CHP513-18	Research Seminar	2021-22	
207	MSc Chemistry	CHP514-18	Dissertation**	2021-22	
511	BSc H Chemistry	BHCL101-19	Inorganic Chemistry-I	2021-22	
511	BSc H Chemistry	BHCL102-19	Organic Chemistry-I	2021-22	
511	BSc H Chemistry	UC-BSHP-112-19	Electricity and Magnetism	2021-22	
511	BSc H Chemistry	UC-BSHM-104-19	Maths-I (Calculus-I)	2021-22	
511	BSc H Chemistry	BHHL105-19	Communicative English-I	2021-22	

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511	BSc H Chemistry	BHHL106 A-19	Punjabi Compulsory-I	2021-22	
511	BSc H Chemistry	BHHL106 B-19	Mudhli Punjabi-I	2021-22	
511	BSc H Chemistry	BHCP107- 19	Inorganic Chemistry Lab- I	2021-22	
511	BSc H Chemistry	BHCP108- 19	Organic Chemistry Lab-I	2021-22	
511	BSc H Chemistry	UC-BSHP- 113-19	Physics Lab-I	2021-22	
511	BSc H Chemistry	BHCL111- 19	Inorganic Chemistry-II	2021-22	
511	BSc H Chemistry	BHCL112- 19	Physical Chemistry-I	2021-22	
511	BSc H Chemistry	UC-BSHP- 124-19	Waves and Vibrations	2021-22	
511	BSc H Chemistry	UC-BSHM- 204-19	Vector Algebra & Vector Analysis	2021-22	
511	BSc H Chemistry	BHHL115- 19	Communicative English-II	2021-22	
511	BSc H Chemistry	BHHL116 A-19	Punjabi Compulsory-II	2021-22	
511	BSc H Chemistry	BHHL116 B-19	Mudhli Punjabi-II	2021-22	
511	BSc H Chemistry	BHCP117- 19	Inorganic Chemistry Lab- II	2021-22	
511	BSc H Chemistry	BHCP118- 19	Physical Chemistry Lab-I	2021-22	
511	BSc H Chemistry	UC-BSHP- 125--19	Physics Lab-II	2021-22	
511	BSc H Chemistry	BHCL201- 19	Organic Chemistry-II (Chemistry of Functional Groups- II)	2021-22	
511	BSc H Chemistry	BHCL202- 19	Physical Chemistry-II (Chemical Thermodynamics)	2021-22	
511	BSc H Chemistry	BHCL203- 19	Spectroscopy	2021-22	
511	BSc H Chemistry	UC-BSHP- 214-19	Physics-III (Elements of Modern Physics)	2021-22	
511	BSc H Chemistry	BHCL205- 19	Environmental Science	2021-22	
511	BSc H Chemistry	BHCP206- 19	Organic Chemistry Lab-II (Functional group Transformations and their Identifications)	2021-22	

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511	BSc H Chemistry	BHCP207-19	Physical Chemistry Lab-II	2021-22	
511	BSc H Chemistry	UC-BSHP-215-19	Physics Lab-III (Elements of modern physics lab)	2021-22	
511	BSc H Chemistry	BHCL211-19	Inorganic Chemistry-III (Crystal field theory and transition elements)	2021-22	
511	BSc H Chemistry	BHCL212-19	Physical Chemistry-III (Phase Equilibria and Chemical Kinetics)	2021-22	
511	BSc H Chemistry	UC-BSHM-408-19	Maths-III (Matrices & Ordinary differential equations)	2021-22	
511	BSc H Chemistry	BHCL216-19	Basic Analytical Chemistry	2021-22	
511	BSc H Chemistry	BHCP217-19	Inorganic Chemistry Lab-III	2021-22	
511	BSc H Chemistry	BHCP218-19	Physical Chemistry Lab-III	2021-22	
511	BSc H Chemistry	BHCP219-19	Basic Analytical Chemistry Lab	2021-22	
511	BSc H Chemistry	BHCL213-19	Green Chemistry	2021-22	
511	BSc H Chemistry	BHCL214-19	Polymer Chemistry	2021-22	
511	BSc H Chemistry	BHCL301-19	Inorganic Chemistry-IV (Organometallic Chemistry)	2021-22	
511	BSc H Chemistry	BHCL302-19	Organic Chemistry-III (Heterocyclic Chemistry)	2021-22	
511	BSc H Chemistry	BHCL303-19	Quantum Chemistry	2021-22	
511	BSc H Chemistry	BHCL306-19	Ligand Field Theory	2021-22	
511	BSc H Chemistry	BHCP307-19	Inorganic Chemistry Lab-IV	2021-22	
511	BSc H Chemistry	BHCP308-19	Organic Chemistry Lab-III	2021-22	
511	BSc H Chemistry	BHCL304-19	Analytical Clinical Biochemistry	2021-22	
511	BSc H Chemistry	BHCL305-19	Industrial Chemicals and Environment	2021-22	
511	BSc H Chemistry	BHCL311-19	Organic Chemistry-IV (Natural Products and Biochemistry)	2021-22	

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511	BSc H Chemistry	BHCL312-19	Physical Chemistry-IV (Electrochemistry)	2021-22	
511	BSc H Chemistry	BHCP318-19	Organic Chemistry Lab-IV	2021-22	
511	BSc H Chemistry	BHCP319-19	Physical Chemistry Lab-IV	2021-22	
511	BSc H Chemistry	BHCL313-19	Catalysis	2021-22	
511	BSc H Chemistry	BHCL314-19	Analytical Methods in Chemistry	2021-22	
511	BSc H Chemistry	BHCL315-19	Nanochemistry	2021-22	
511	BSc H Chemistry	BHCL316-19	Molecular Modelling and Drug Design	2021-22	

Number of courses offered across all programs during year 2021-22					
Year	2021-22				
Number	91				

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26/12/2023

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Department of Chemistry  
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## Department of Physical Sciences

## 3.1 List of courses offered across all programs during last five years

Program Code	Program Name	Course Code	Course Name	Year of offering the course
11001	Ph.D	PHS900	Research Methodology	2021-22
11001	Ph.D	PHS901	Theoretical methods in Physics	2021-22
11001	Ph.D	PHS902	Techniques in Experimental Physics	2021-22
11001	Ph.D	PHS903	Advanced Condensed Matter Physics	2021-22
11001	Ph.D	PHS904	Computational Physics	2021-22
11001	Ph.D	PHS905	Nano Materials	2021-22
205	M.Sc. Physics	UC-MSPH411-18	Mathematical Physics-1	2021-22
205	M.Sc. Physics	UC-MSPH412-18	Classical Mechanics	2021-22
205	M.Sc. Physics	UC-MSPH413-18	Quantum Mechanics-1	2021-22
205	M.Sc. Physics	UC-MSPH414-18	Electronics	2021-22
205	M.Sc. Physics	UC-MSPH415-18	Computational Physics	2021-22
205	M.Sc. Physics	UC-MSPH416-18	Electronics Lab	2021-22
205	M.Sc. Physics	UC-MSPH417-18	Computational Physics Lab-1	2021-22
205	M.Sc. Physics	UC-MSPH421-18	Mathematical Physics-II	2021-22
205	M.Sc. Physics	UC-MSPH422-18	Statistical Mechanics	2021-22
205	M.Sc. Physics	UC-MSPH423-18	Quantum Mechanics-II	2021-22
205	M.Sc. Physics	UC-MSPH424-18	Classical Electrodynamics	2021-22
205	M.Sc. Physics	UC-MSPH425-18	Atomic and Molecular Physics	2021-22
205	M.Sc. Physics	UC-MSPH426-18	Atomic, Nuclear, and Particle Physics Lab	2021-22
205	M.Sc. Physics	UC-MSPH427-18	Computational Physics Lab-II	2021-22
205	M.Sc. Physics	UC-MSPH531-18	Condensed Matter Physics	2021-22
205	M.Sc. Physics	UC-MSPH532-18	Nuclear Physics	2021-22
205	M.Sc. Physics	UC-MSPH533-18	Particle Physics	2021-22
205	M.Sc. Physics	UC-MSPH534-18	Elective Subject-I- Fibre optics and non-linear optics	2021-22
205	M.Sc. Physics	UC-MSPH535-18	Elective Subject-I-Radiation Physics	2021-22
205	M.Sc. Physics	UC-MSPH536-18	Elective Subject-I-Nonlinear Dynamics	2021-22
205	M.Sc. Physics	UC-MSPH537-18	Elective Subject-II-Plasma Physics	2021-22
205	M.Sc. Physics	UC-MSPH538-18	Elective Subject-II-Structures, Spectra and Properties of Biomolecules	2021-22
205	M.Sc. Physics	UC-MSPH539-18	Elective Subject-II-Science of Renewable Source of Energy	2021-22
205	M.Sc. Physics	UC-MSPH540-18	Condensed Matter Physics Lab	2021-22
205	M.Sc. Physics	UC-MSPH541-18	Elective Subject-III-Physics of Nanomaterials	2021-22
205	M.Sc. Physics	UC-MSPH542-18	Elective Subject-III-Experimental Techniques in Nuclear and Particle Physics	2021-22
205	M.Sc. Physics	UC-MSPH543-18	Elective Subject-III-Superconductivity and Low Temperature Physics	2021-22
205	M.Sc. Physics	UC-MSPH544-18	Elective Subject-IV-Advanced Condensed Matter Physics	2021-22
205	M.Sc. Physics	UC-MSPH545-18	Elective Subject-IV-Advanced Particle Physics	2021-22
205	M.Sc. Physics	UC-MSPH546-18	Elective Subject-IV-Environment Physics	2021-22
205	M.Sc. Physics	UC-MSPH547-18	Dissertation	2021-22
	B.Sc. Hons Physic	BSHP-111-21	Optics	2021-22
	B.Sc. Hons Physic	BSHP-112-21	Mechanics	2021-22
	B.Sc. Hons Physic	BSHP-113-21	Physics Lab-I	2021-22
	B.Sc. Hons Physic	BSHP-121-21	Waves and Vibrations	2021-22
	B.Sc. Hons Physic	BSHP-122-21	Electricity and Magnetism	2021-22
	B.Sc. Hons Physic	BSHP-123-21	Physics Lab-II	2021-22
	B.Sc. Hons Physic	BSHP-211-21	Mathematical Physics-I	2021-22
	B.Sc. Hons Physic	BSHP-212-21	Elements of Modern Physics	2021-22
	B.Sc. Hons Physic	BSHP-213-21	Physics Lab-III	2021-22
	B.Sc. Hons Physic	BSHP-214-21	Analog Systems and Application	2021-22
	B.Sc. Hons Physic	BSHP-215-21	Physics Lab-IV	2021-22
	B.Sc. Hons Physic	BSHP-221-21	Mathematical Physics-II	2021-22
	B.Sc. Hons Physic	BSHP-221-21	Thermal Physics	2021-22
	B.Sc. Hons Physic	BSHP-223-21	Physics Lab-V	2021-22
	B.Sc. Hons Physic	BSHP-224-21	Digital Electronics	2021-22
	B.Sc. Hons Physic	BSHP-225-21	Physics Lab-VI	2021-22
	B.Sc. Hons Physic	BSHP-226-21	Electrical Circuits and Network Skills	2021-22
	B.Sc. Hons Physic	BSHP-227-21	Basic Instrumentation Skills	2021-22
	B.Sc. Hons Physic	BSHP-228-21	Scientific Word Processing	2021-22

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3.1 List of courses offered across all programs during the Year 2021-22

Program code	Program name	Course code	Course name	Year of offering the course
206	M.Sc (Maths)	MSM-101-18	Algebra-I	2016 Onwards
		MSM-102-18	Real Analysis-I	
		MSM-103-18	Complex Analysis	
		MSM-104-18	Ordinary Differential Equations and Special Functions	
		MSM-105-18	Mathematical Methods	
		MSM-106-18	Introduction to Computer Algebra System (Lab)	
		MSM-201-18	Algebra-II	
		MSM-202-18	Real Analysis-II	
		MSM-203-18	Mechanics-I	
		MSM-204-18	Partial Differential Equations	
		MSM-205-18	Numerical Analysis	
		MSM-206-18	Numerical Analysis (Lab)	
		MSM-301-18	Topology	
		MSM-302-18	Number Theory and Cryptography	
		MSM-303-18	Mathematical Statistics	
		MSM-304-18	Functional Analysis	
		MSM-305-18	Mechanics-II	
		MSM-401-18	Differential Geometry	
		MSM-501-18	Discrete Mathematics	
		MSM-502-18	Coding Theory	
		MSM-503-18	Operations Research	
		MSM-504-18	Advanced Number Theory	
		MSM-505-18	Advanced Complex Analysis	
		MSM-506-18	Advanced Operations Research	
		MSM-507-18	Advanced Fluid Mechanics	
		MSM-508-18	Advanced Solid Mechanics	
MSM-509-18	Theory of Linear Operators			
MSM-510-18	Advanced Numerical Methods			
MSM-511-18	Topological Vector Spaces			
MSM-512-18	Fractional Calculus			
		UC-BSHM-101-19	Calculus -I	
		UC-BSHM-102-19	Co-ordinate Geometry	
		UC-BSHM-103-19	Programming Lab-I	
		UC-BSHM-201-19	Calculus-II	
		UC-BSHM-202-19	Solid Geometry	
		UC-BSHM-203-19	Computer Algebra System: MATLAB	
		UC-BSHM-301-19	Calculus-III	
		UC-BSHM-302-19	Algebra-I	
		UC-BSHM-303-19	Real Analysis-I	
		UC-BSHM-401-19	Vector Calculus	

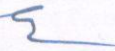
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512	B.Sc. Hons. (Mathematics )	UC-BSHM-402-19	Ordinary Differential Equations	2019 Onwards
		UC-BSHM-403-19	Linear Algebra	
		UC-BSHM-404-19	Probability and Statistics	
		UC-BSHM-406-19	Project Work	
		UC-BSHM-501-19	Real Analysis-II	
		UC-BSHM-502-19	Algebra-II	
		UC-BSHM-503-19	Numerical Methods	
		UC-BSHM-504-19	Partial Differential Equations	
		UC-BSHM-505-19	Project Work	
		UC-BSHM-601-19	Number Theory	
		UC-BSHM-602-19	Complex Analysis	
		UC-BSHM-603-19	Mechanics	
		UC-BSHM-604-19	Discrete Mathematics	
		UC-BSHM-605-19	Integral Equations and Integral Transforms	
95	Ph.D(Mathema	MPHM-101	Research Methodology	2016 Onwards
		MPHM-102	Method in Applied Mathematics	
		MPHM-103	Continuum Mechanics	
		MPHM-104	Advanced Analysis	
		UC-MSM-504-18	Advance Number theory	
		UC-MSM-510-18	Advance Numerical methods	

Number of Courses offered across all programs during last five years

Year	2020-21
Number	60

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**3.1 List of courses offered across all programs during last five years**

Program code	Program name	Course code	Course name	Year of offering the course
14	B.TECH	BTCE-701	(a) Software Training* (b) Industrial Training	2021-22
14	B.TECH	BTCE-801	Design of Steel Structures-II	2021-22
14	B.TECH	BTCE-802	Disaster Management	2021-22
14	B.TECH	BTCE-803	Irrigation Engineering-II	2021-22
14	B.TECH	BTCE-804	Transportation Engineering-II	2021-22
14	B.TECH	BTCE-XXX	Elective -I *	2021-22
14	B.TECH	BTCE-YYY	Elective -II *	2021-22
14	B.TECH	BTPHXX-18	Physics	2021-22
14	B.TECH	BTPHXX-18	Physics (Lab)	2021-22
14	B.TECH	BTAMXX-18	Maths-I	2021-22
14	B.TECH	BTEE101-18	Basic Electrical Engineering	2021-22
14	B.TECH	BTEE102-18	Basic Electrical Engineering (Lab)	2021-22
14	B.TECH	BTME101-18	Engineering Graphics & Design	2021-22
14	B.TECH	BTCH101-18	Chemistry-I	2021-22
14	B.TECH	BTCH102-18	Chemistry-I (Lab)	2021-22
14	B.TECH	BTAMXX-18	Maths-II	2021-22
14	B.TECH	BTPS101-18	Programming for Problem Solving	2021-22
14	B.TECH	BTPS102-18	Programming for Problem Solving (Lab)	2021-22
14	B.TECH	BTMP101-18	Workshop / Manufacturing Practices	2021-22
14	B.TECH	BTHU101-18	English	2021-22
14	B.TECH	BTHU102-18	English (Lab)	2021-22
14	B.Tech	BTCE- 301-18	Surveying & Geomatics	2021-22
14	B.Tech	BTCE- 302-18	Solid Mechanics <sup>#</sup>	2021-22
14	B.Tech	BTCE- 303-18	Fluid Mechanics <sup>#</sup>	2021-22
14	B.Tech	BTAM- 301-18	Mathematics III <sup>#</sup> (Transform & Discrete Mathematics)	2021-22

14	B.Tech	BTEC- 305-18	Basic Electronics & applications in Civil Engineering	2021-22
14	B.Tech	HSMC- 132-18	Civil Engineering- Introduction, Societal & Global Impact	2021-22
14	B.Tech	BTCE- 306-18	Surveying & Geomatics Lab	2021-22
14	B.Tech	BTCE- 307-18	Fluid Mechanics Lab	2021-22
14	B.Tech	BTCE- 308-18	Solid Mechanics Lab	2021-22
14	B.Tech	BMPD- 301-18	Mentoring and Professional Development	2021-22
14	B.Tech	BTCE- 332-18	Training – I*	2021-22
14	B.Tech	BTCE- 401-18	Concrete Technology	2021-22
14	B.Tech	BTCE- 402-18	Material, Testing & Evaluation	2021-22
14	B.Tech	BTCE- 403-18	Hydrology & Water Resources	2021-22
14	B.Tech	BTCE- 404-18	Transportation Engineering	2021-22
14	B.Tech	BTCE- 405-18	Disaster Preparedness & Planning	2021-22
14	B.Tech	EVS- 101-18	Environment Science (Non-credit)	2021-22
14	B.Tech	BTCE- 406-18	Concrete Testing Lab	2021-22
14	B.Tech	BTCE- 407-18	Transportation Lab	2021-22
14	B.Tech	BTCE-432-18	Training –II*	2021-22
14	B.Tech	BMPD- 401-18	Mentoring and Professional Development	2021-22
14	B.Tech	BTCE- 501-18	Engineering Geology	2021-22
14	B.Tech	BTCE- 502-18	Elements of Earthquake Engineering	2021-22
14	B.Tech	BTCE- 503-18	Construction Engineering & Management	2021-22
14	B.Tech	BTCE- 504-18	Environmental Engineering	2021-22
14	B.Tech	BTCE- 505-18	Structural Engineering	2021-22
14	B.Tech	BTCE- 506-18	Geotechnical Engineering <sup>#</sup>	2021-22

14	B.Tech	BTCE- 507-18	Geotechnical Lab	2021-22
14	B.Tech	BTCE- 508-18	Environmental Engineering Lab	2021-22
14	B.Tech	BTCE-	Structural Lab	2021-22
14	B.Tech	509-18		2021-22
14	B.Tech	BMPD- 501-18	Mentoring and	2021-22
14	B.Tech		Professional	2021-22
14	B.Tech	BTCE- 532-18	Training – II*	2021-22
14	B.Tech	BTCE- 601-18	Engineering Economics, Estimation & Costing	2021-22
14	B.Tech	PECE-602 X-18	Elective –I	2021-22
14	B.Tech	PECE- 603 Y-18	Elective –II	2021-22
14	B.Tech	PECE- 604 Z-18	Elective – III	2021-22
14	B.Tech	OEZZ- XXX1	Open Elective-I	2021-22
14	B.Tech	OEZZ- XXX2	Open Elective – II	2021-22
14	B.Tech	BTMC- 101-18	Constitution of India	2021-22
14	B.Tech	BMPD- 601-18	Mentoring and Professional Development	2021-22
<b>Year</b>	<b>2021-22</b>			
<b>No. of Courses Offered</b>	63			
<b>Program code</b>	<b>Program name</b>	<b>Course code/M code</b>	<b>Course name</b>	<b>Year of offering the course</b>
98	Ph.D.	90211	Research Methodology	2016-17
98	Ph.D.	NA	Transportation and Highway	2016-17
98	Ph.D.	NA	Advanced Foundation design and Construction	2016-17
98	Ph.D.	93355	Environment Engineering and Management	2016-17
98	Ph.D.	NA	Pavement Design, Construction and maintainence	2016-17
98	Ph.D.	NA	Bridge Engineering	2016-17
98	Ph.D.	92304	Advanced Construction Technology	2016-17
98	Ph.D.	93347	Advanced Structural Engineering	2016-17
98	Ph.D.	NA	Hydraulic Engineering	2016-17


98	Ph.D.	NA	Geotechnical Engineering	2016-17
98	Ph.D.	92305	Computer Aided Design Methods	2016-17
98	Ph.D.	90207	Civil Engineering applications of Remote sensing and GIS	2016-17
98	Ph.D.	90276	Town and country Planning	2016-17
98	Ph.D.	NA	Advanced Geoinformatics	2016-17
<b>No. of Courses Offered</b>	14			




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 Department of Civil Engineering  
 J. J. U. Main Campus  
 Bhopal - 46603

3.1 List of courses offered across all programs during last five years

Program code	Program name	Course code	Course name	Year of offering the course
3001	PhD(CSE & CA)	NA	Research Methodology	2021-22
		NA	Cloud Computing	
		NA	Advanced Concepts in Image Processing	
		NA	Advanced Information Security	
		NA	Modelling and Simulation	
		NA	Data Warehousing and Data Mining	
		NA	Mobile Computing Technologies	
		NA	Network Security and Cryptography	
		NA	Advanced Software Engineering	
		NA	Advanced Computer Architecture	
		NA	Advanced Database Systems	
		NA	Advanced Data Structures & Algorithms	
		NA	Soft Computing	
		NA	Advanced Operating Systems	
		NA	Big Data Analytics	
		NA	Presentation	
		NA	Advanced Data Communication	
		NA	Internetworking	
		NA	Optimization Techniques	
		NA	Adhoc Wireless and Sensor Networks	
NA	Neural Networks and Fuzzy Logic			
NA	Mathematical Foundations of Computer Networks			
506	B.Tech- SE	BTES301-18	Digital Electronics	2021-22
		SE301-19	Data structure & Algorithms	
		SE302-19	Computer Networks	
		SE303-19	Software Engineering	
		BTES302-18	Digital Electronics Lab	

  
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SE304-19	Data structure & Algorithms Lab
SE305-19	Computer Networks Lab
SE306-19	Software Engineering lab.
SE307-19	IT Workshop*
SE401-19	Database Management system
SE402-19	Computer Organization & Architecture
SE403-19	Operating Systems
SE404-19	Design & Analysis of Algorithms
SE405-19	Database Management system Lab
SE406-19	Computer Organization & Architecture Lab
SE407-19	Operating Systems Lab
SE408-19	Design & Analysis of Algorithms Lab
BTES 501-18	Enterprise Resource Planning
SE501-19	Agile Software Development
BTCS 502-18	Formal Language & Automata Theory
SE502-19	Software Testing and Quality Assurance
SE503-19	Agile Software Development Lab
SE 506-18	Software Testing and Quality Assurance Lab
BTCS 601-18	Compiler Design
BTCS 602-18	Artificial Intelligence
BTCS 603-18	Project-1
BTCS 604-18	Compiler Design Lab
BTCS 605-18	Artificial Intelligence Lab
BTCS 701-18	Network Security and Cryptography
BTCS 702-18	Data Mining and Data Warehousing
BTCS 703-18	Project-II
BTCS 510-18	Programming in Python
BTCS 513-18	Programming in Python Lab
BTCS 515-18	Computer Graphics
BTCS 518-18	Computer Graphics lab
BTCS 520-18	Web Technologies
BTCS 522-18	Web Technologies lab
SE 601-19	Object Oriented Analysis & Design

  
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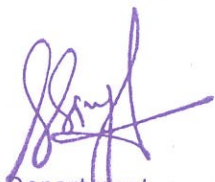


		SE 602-19	Object Oriented Analysis & Design lab	
		SE 603-19	Adv Software Engineering	
		SE 604-19	Adv Software Engineering lab	
		SE 605-19	Service oriented Architecture	
		SE 606-19	Service oriented Architecture lab	
		SE 607-19	Big Data Analytics	
		SE 608-19	Big Data Analytics lab	
		BTCS612-18	Cloud Computing	
		BTCS613-18	Cloud Computing lab	
		BTCS614-18	Software project management	
		BTCS615-18	Software project management lab	
10	BCA	UGCA1902	Fundamentals of Computer and IT	2021-22
		UGCA1903	Problem Solving using C	
		UGCA1904	Workshop on Desktop Publishing	
		UGCA1905	Problem Solving using C Laboratory	
		UGCA1906	Fundamentals of Computer and IT	
		BMPD102-18	Mentoring and Professional Development	
		UGCA1908	Computer System Architecture	
		UGCA1909	Object Oriented Programming using C++	
		UGCA1910	Object Oriented Programming using C++ Laboratory	
		UGCA1912	Computer System Architecture Laboratory	
		BMPD202-18	Mentoring and Professional Development	
		UGCA1913	Computer Networks	
		UGCA1914	Programming in Python	
		UGCA1915	Data Structures	
		UGCA1916	Computer Networks Laboratory	
		UGCA1917	Programming in Python Laboratory	
		UGCA1918	Data Structures Laboratory	
		UGCA1919	PC Assembly & Troubleshooting	
		UGCA1920	PC Assembly & Troubleshooting Laboratory	
		BMPD302-18	Mentoring and Professional Development	
		UGCA1921	Software Engineering	
		UGCA1922	Database Management Systems	




  
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UGCA1923	Operating Systems
UGCA1924	Software Engineering Laboratory
UGCA1925	Database Management Systems Laboratory
UGCA1926	Operating Systems Laboratory
UGCA1927	Web Designing
UGCA1928	Web Designing Laboratory
BMPD402-18	Mentoring and Professional Development
UGCA1929	Programming in PHP
UGCA1930	Programming in PHP Laboratory
NA	Minor Project
BMPD502-18	Mentoring and Professional Development
UGCA1943	Android Programming
UGCA1944	Android Programming Laboratory
NA	Major Project
BMPD602-18	Mentoring and Professional Development
UGCA1931	Data Warehouse and Mining
UGCA1932	Programming in Java
UGCA1933	Internet of Things
UGCA1934	Computer Graphics
UGCA1935	Linux Operating System
UGCA1936	Cloud Computing
UGCA1937	Data Warehouse and Mining Laboratory
UGCA1938	Programming in Java Laboratory
UGCA1939	Internet of Things Laboratory
UGCA1940	Computer Graphics Laboratory
UGCA1941	Linux Operating System Laboratory
UGCA1942	Cloud Computing Laboratory
UGCA1945	Artificial Intelligence
UGCA1946	R Programming
UGCA1947	Digital Marketing
UGCA1948	Information Security
UGCA1949	Cyber Laws & IPR
UGCA1950	Machine Learning

  
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	UGCA1951	Artificial Intelligence Laboratory	
	UGCA1952	R Programming Laboratory	
	UGCA1953	Digital Marketing Laboratory	
	UGCA1954	Information Security Laboratory	
	UGCA1955	Cyber Laws & IPR Laboratory	
MCA	PGCA1925	Advanced Computer Networking	2021-22
	PGCA1926	Artificial Intelligence & Soft Computing	
	PGCA1927	Theory of Computation	
	PGCA1928	Advanced Computer Networking Laboratory	
	PGCA1929	Artificial Intelligence & Soft Computing Laboratory	
	PGCA1976	Machine Learning & Data Analytics using Python	
	PGCA1958	Advanced Web Technologies	
	PGCA1977	Machine Learning & Data Analytics using Python Laboratory	
	PGCA1960	Advanced Web Technologies Laboratory	
	PGCA1961	Research/Technical Seminar	
	PGCA1962	Project	
	PGCA1930	Software Project Management	
	PGCA1971	Optimization Techniques	
	PGCA1972	Data Mining and Business Intelligence	
	PGCA1973	Enterprise Resource Planning	
	PGCA1933	Mobile Applications Development	
	PGCA1935	Simulation & Modelling	
	PGCA1921	e-Commerce and Digital Marketing	
	PGCA1931	Software Testing & Quality Assurance	
	PGCA1934	Mobile Applications Development Laboratory	
	PGCA1936	Simulation & Modelling Laboratory	
	PGCA1974	e-Commerce and Digital Marketing Laboratory	
	PGCA1975	Software Testing & Quality Assurance Laboratory	
	PGCA1937	Cloud Computing	
	PGCA1963	Digital Image Processing	
	PGCA1965	NLP and Speech Recognition	
	PGCA1967	IOT &Blockchain Technology	
	PGCA1938	Cloud Computing Laboratory	

  
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		PGCA1964	Digital Image Processing Laboratory
		PGCA1966	NLP and Speech Recognition Laboratory
		PGCA1968	IOT &Blockchain Technology Laboratory
15	B.Tech CSE	BTPS101-18	Programming for Problem Solving
		BTPS102-18	Programming for Problem Solving (Lab)
		BTES 301-18	Digital Electronics
		BTCS 301-18	Data structure & Algorithms
		BTES 302-18	Digital Electronics Lab
		BTCS 303-18	Data structure & Algorithms Lab
		BTCS 304-18	Object Oriented Programming lab
		BTCS 305-18	IT Workshop*
		BTCS 401-18	Discrete Mathematics
		BTES 401-18	Computer Organization & Architecture
		BTCS 402-18	Operating Systems
		BTCS 403-18	Design & Analysis of Algorithms
		BTES 402-18	Computer Organization & Architecture Lab
		BTCS 404-18	Operating Systems Lab
		BTCS 405-18	Design & Analysis of Algorithms Lab
		BTES 501-18	Enterprise Resource Planning
		BTCS 501-18	Database Management Systems
		BTCS 502-18	Formal Language & Automata Theory
		BTCS 503-18	Software Engineering
		BTCS 504-18	Computer Networks
		BTCS 505-18	Database Management Systems Lab
		BTCS 506-18	Software Engineering Lab
		BTCS 507-18	Computer Networks Lab
		BTCS 601-18	Compiler Design
		BTCS 602-18	Artificial Intelligence
		BTCS 603-18	Project-1
		BTCS 604-18	Compiler Design Lab
		BTCS 605-18	Artificial Intelligence Lab
		BTCS 701-18	Network Security and Cryptography
		BTCS 702-18	Data Mining and Data Warehousing



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BTCS 702-18	Project-II
BTCS 510-18	Programming in Python
BTCS 513-18	Programming in Python Lab
BTCS 515-18	Computer Graphics
BTCS 518-18	Computer Graphics lab
BTCS 520-18	Web Technologies
BTCS 522-18	Web Technologies lab
BTCS 521-18	Computational Biology
BTCS 523-18	Computational Biology lab
BTCS 606-18	Simulation and Modelling
BTCS 607-18	Simulation and Modelling Lab
BTCS 608-18	Internet of Things
BTCS 609-18	Internet of Things lab
BTCS 610-18	Digital Image processing
BTCS 611-18	Digital Image processing lab
BTCS 612-18	Cloud computing
BTCS 613-18	Cloud computing lab
BTCS 614-18	Software Project Management
BTCS 615-18	Software Project Management Lab
BTCS 616-18	Data Science
BTCS 617-18	Data Science lab
BTCS 618-18	Machine Learning
BTCS 619-18	Machine Learning lab
BTCS 620-18	Mobile Application Development
BTCS 621-18	Mobile Application Development lab
BTCS 704-18	Deep Learning
BTCS 705-18	Deep Learning Lab
BTCS 706-18	Distributed databases
BTCS 707-18	Distributed databases lab
BTCS 708-18	Computer Vision
BTCS 709-18	Computer Vision lab
BTCS 710-18	Agile Software Development
BTCS 711-18	Agile Software Development lab

  
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		BTCS 712-18	Blockchain Technologies	
		BTCS 713-18	Blockchain Technologies Lab	
		BTCS 714-18	Parallel Computing	
		BTCS 715-18	Parallel Computing lab	
		BTCS 716-18	Adhoc and Wireless sensor networks	
		BTCS 717-18	Adhoc and Wireless sensor networks lab	
		BTCS 718-18	Quantum Computing	
		BTCS 719-18	Quantum Computing lab	
602	B.Tech- CoE	BTES 301-18	Digital Electronics	2021-22
		BTCS 301-18	Data structure & Algorithms	
		BTCS 302-18	Object Oriented Programming	
		BTES 302-18	Digital Electronics Lab	
		BTCS 303-18	Data structure & Algorithms Lab	
		BTCS 304-18	Object Oriented Programming lab	
		BTCS 305-18	IT Workshop*	
		BTCS 401-18	Discrete Mathematics	
		BTES 401-18	Computer Organization & Architecture	
		BTCS 402-18	Operating Systems	
		BTCS 403-18	Design & Analysis of Algorithms	
		BTES 402-18	Computer Organization & Architecture Lab	
		BTCS 404-18	Operating Systems Lab	
		BTCS 405-18	Design & Analysis of Algorithms Lab	
		BTES 501-18	Enterprise Resource Planning	
		BTCS 501-18	Database Management Systems	
		BTCS 502-18	Formal Language & Automata Theory	
		BTCS 503-18	Software Engineering	
		BTCS 504-18	Computer Networks	
		BTCS 505-18	Database Management Systems Lab	
		BTCS 506-18	Software Engineering Lab	
		BTCS 507-18	Computer Networks Lab	
		BTCS 601-18	Compiler Design	
		BTCS 602-18	Artificial Intelligence	
		BTCS 603-18	Project-1	



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BTCS 604-18	Compiler Design Lab
BTCS 605-18	Artificial Intelligence Lab
BTCS 701-18	Network Security and Cryptography
BTCS 702-18	Data Mining and Data Warehousing
BTCS 702-18	Project-II
BTCOE 508-1	Microprocessor & Assembly Language Programming
BTCOE 509-1	Computer Peripheral & Interface
BTCOE 510-1	Graph Theory
BTCOE 511-1	Microprocessor & Assembly Language Programming lab
BTCOE 512-1	Computer Peripheral & Interface lab
BTCOE 513-1	Graph Theory Lab
BTCS 510-18	Programming in Python
BTCS 513-18	Programming in Python Lab
BTCOE601	Adv Computer architecture
BTCOE602	Adv Computer architecture lab
BTCOE603	Real Time embeded sysytem
BTCOE604	Real Time embeded sysytem lab
BTCOE605	Wireless Sensor Network
BTCOE606	Wireless Sensor Network lab
BTCOE607	Hardware Secuirty
BTCOE608	Hardware Secuirty lab
BTCOE609	Human Computer Interaction
BTCOE610	Human Computer Interaction lab
BTCS616-18	Data Science
BTCS617-18	Data Science lab
BTCS714-18	parallel Computing
BTCS715-18	parallel Computing lab

**List of courses offered across all programs during last five years**

Year	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22
Number	119	124	139	259	335	285



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Program code	Program name	Course code	Course name	Year of offering the course
30	B.TECH (ME)	BTME612-18	Composite Materials	2021-2022
30	B.TECH (ME)	BTME614-18	Product Design and Development	2021-2022
30	B.TECH (ME)	BTME409-18	4-weeks Industrial Training	2021-2022
30	B.TECH (ME)	BTME401-18	Applied Thermodynamics	2021-2022
30	B.TECH (ME)	BTME406-18	Applied Thermodynamics (Lab)	2021-2022
30	B.TECH (ME)	BTME607-18	Auto. Engg.(Lab)	2021-2022
30	B.TECH (ME)	BTME702-18	Automation in Manufacturing	2021-2022
30	B.TECH (ME)	BTME-603-18	Automobile Engineering	2021-2022
30	B.TECH (ME)	BTME-607-18	Automobile Engineering (Lab)	2021-2022
30	B.TECH (ME)	BTME305-18	Basic Thermodynamics	2021-2022
30	B.TECH (ME)	BTCH-101-18	Chemistry-I	2021-2022
30	B.TECH (ME)	BTME502-18	Design of Machine Elements	2021-2022
30	B.TECH (ME)	BTPH-103-18	Electromagnetism	2021-2022
30	B.TECH (ME)	BTPH-113-18	Electromagnetism Lab	2021-2022
30	B.TECH (ME)	BTMC102-18	Essence of Indian knowledge Tradition	2021-2022
30	B.TECH (ME)	BTME402-18	Fluid Machines	2021-2022
30	B.TECH (ME)	BTME407-18	Fluid Machines (Lab))	2021-2022
30	B.TECH (ME)	BTME301-18	Fluid Mechanics	2021-2022
30	B.TECH (ME)	BTME308-18	Fluid Mechanics (Lab)	2021-2022
30	B.TECH (ME)	BTME309-18	Four Weeks Institutional Summer Vacation Training	2021-2022
30	B.TECH (ME)	BTME703-18	Fundamentals of Management for Engineers	2021-2022
30	B.TECH (ME)	GF-800	General Fitness	2021-2022
30	B.TECH (ME)	BTME501-18	Heat Transfer	2021-2022
30	B.TECH (ME)	BTME501-18	Heat Transfer	2021-2022
30	B.TECH (ME)	BTME505-18	Heat Transfer (Lab)	2021-2022
30	B.TECH (ME)	HU-251	Human Resources and Management	2021-2022
30	B.TECH (ME)	BTME-801	Industrial Engineering and Management	2021-2022
30	B.TECH (ME)	BTME-IT-702	Industrial Oriented Project /Industrial /Institutional Training	2021-2022
30	B.TECH (ME)	BTME-801	Industrial Training	2021-2022
30	B.TECH (ME)	BTME-604-18	Introduction to Industrial management	2021-2022
30	B.TECH (ME)	BTME303-18	Machine Drawing	2021-2022
30	B.TECH (ME)	BTME-806	Major Project	2021-2022
30	B.TECH (ME)	BTME504-18	Management and Engineering Economics	2021-2022
30	B.TECH (ME)	BTME503-18	Manufacturing Processes	2021-2022

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30	B.TECH (ME)	BTME506-18	Manufacturing Processes (Lab)	2021-2022
30	B.TECH (ME)	BTME408-18	Material Engineering (Lab)	2021-2022
30	B.TECH (ME)	BTME404-18	Materials Engineering	2021-2022
30	B.TECH (ME)	BTAM101-18	Mathematics I	2021-2022
30	B.TECH (ME)	BTAM 203-18	Mathematics II	2021-2022
30	B.TECH (ME)	BTME-602-18	Mechanical Measurements & Metrology	2021-2022
30	B.TECH (ME)	BTME-602-18	Mechanical Measurements & Metrology	2021-2022
30	B.TECH (ME)	BTME-606-18	Mechanical Measurements & Metrology (Lab)	2021-2022
30		BTME-805	Mechanical Vibration Lab	2021-2022
30	B.TECH (ME)	BTME-803	Mechanical Vibrations	2021-2022
30	B.TECH (ME)	BTME701-18	Mechanical Vibrations	2021-2022
30	B.TECH (ME)	BTPH103-18	Mechanics of Solid	2021-2022
30	B.TECH (ME)	BTPH111-18	Mechanics of Solid Lab	2021-2022
30	B.TECH (ME)	BMPD-201-18	Mentoring and Professional Development	2021-2022
30	B.TECH (ME)	BMPD-101-18	Mentoring and Professional Development	2021-2022
30	B.TECH (ME)	BMPD401-18	Mentoring and Professional Development	2021-2022
30	B.TECH (ME)	BTME-608-18	Minor Project	2021-2022
30	B.TECH (ME)	BTME606-18	MMM (Lab)	2021-2022
30	B.TECH (ME)	BTME-615-18	Non-Conventional Energy Resources	2021-2022
30	B.TECH (ME)	DE/PE-2.0	Non-Traditional Machining	2021-2022
30	B.TECH (ME)	BTME504-18	Numerical Methods	2021-2022
30	B.TECH (ME)	BTME507-18	Numerical Methods (Lab)	2021-2022
30	B.TECH (ME)	XXXX###-18	Open Elective - I	2021-2022
30	B.TECH (ME)	DE/ME-1.8	Power Plant Engg	2021-2022
30	B.TECH (ME)	XXXX###-18	Professional Elective-I	2021-2022
30	B.TECH (ME)	BTPS101-18	Programming for Problem Solving	2021-2022
30	B.TECH (ME)	BTPS102-18	Programming for Problem Solving (Lab)	2021-2022
30	B.TECH (ME)	BTME704-18	Project-II	2021-2022
30	B.TECH (ME)	BTME605-18	RAC (Lab)	2021-2022
30	B.TECH (ME)	BTME-802	Refrigeration & Air Conditioning	2021-2022
30	B.TECH (ME)	BTME-804	Refrigeration & Air Conditioning Lab	2021-2022
30	B.TECH (ME)	BTME-601-18	Refrigeration and Air condition	2021-2022
30	B.TECH (ME)	BTME601-18	Refrigeration and Air conditioning	2021-2022

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30	B.TECH (ME)	BTME-605-18	Refrigeration and Air conditioning (Lab)	2021-2022
30	B.TECH (ME)	OECE-703-18	Road Safety	2021-2022
30	B.TECH (ME)	BTME-IT-701	Software Training	2021-2022
30	B.TECH (ME)	BTME-801	Software Training	2021-2022
30	B.TECH (ME)	BTME306-18	Strength of Material (Lab)	2021-2022
30	B.TECH (ME)	BTME306-18	Strength of Material Lab	2021-2022
30	B.TECH (ME)	BTME304-18	Strength of Materials-I	2021-2022
30	B.TECH (ME)	BTME403-18	Strength of Materials-II	2021-2022
30	B.TECH (ME)	BTME307-18	Theory of Machine (Lab)	2021-2022
30	B.TECH (ME)	BTME302-18	Theory of Machines - I	2021-2022
30	B.TECH (ME)	BTME307-18	Theory of Machines Lab	2021-2022
30	B.TECH (ME)	BTME405-18	Theory of Machines-II	2021-2022
30	B.TECH (ME)	BTMP101-18	Workshop / Manufacturing Practices	2021-2022
177	M.TECH (ME)	MTME-101	Advanced Engineering Materials	2021-2022
177	M.TECH (ME)	MTME-102	Modern Manufacturing Processes	2021-2022
177	M.TECH (ME)	MTME-103	Advanced Casting Processes	2021-2022
177	M.TECH (ME)	MTME-104	Operations Management	2021-2022
177	M.TECH (ME)	MTME-105	Metal Forming	2021-2022
177	M.TECH (ME)	MTME-201	Research Methodology	2021-2022
177	M.TECH (ME)	MTME-202	Advanced welding Technology	2021-2022
177	M.TECH (ME)	MTME-203	Corrosion Science	2021-2022
177	M.TECH (ME)	MTME-204	Advanced Material Characterization Techniques	2021-2022
177	M.TECH (ME)	MTME-XXX	Elective-I	2021-2022
102	PhD	PhD-101	Research Methodology	2021-2022
102	PhD	PhD-102	Advanced Heat Transfer	2021-2022
102	PhD	PhD-103	Non Conventional Machining	2021-2022
102	PhD	PhD-104	Advanced Fluid Mechanics and CFD	2021-2022
102	PhD	PhD-105	Finite Element Methods	2021-2022
102	PhD	PhD-106	Composite Materials	2021-2022
102	PhD	PhD-107	Optimization Techniques	2021-2022
102	PhD	PhD-108	Computer Aided Design and Manufacturing (CAD/CAM)	2021-2022
102	PhD	PhD-109	Advanced Theory of Vibrations	2021-2022
102	PhD	PhD-201	Tribology	2021-2022
102	PhD	PhD-202	Thermo Economics and Power Plants	2021-2022

102	PhD	PhD-203	Advanced Thermodynamics	2021-2022
102	PhD	PhD-204	Presentation/Seminar	2021-2022
102	PhD	PhD-205	Production Engineering	2021-2022
102	PhD	PhD-206	Advanced Mechanics of Solids	2021-2022
102	PhD	PhD-207	Mechatronics	2021-2022
102	PhD	PhD-208	Product Design and Development	2021-2022
102	PhD	PhD-101	Research Methodology	2021-2022
102	PhD	PhD-102	Advanced Heat Transfer	2021-2022
102	PhD	PhD-103	Non Conventional Machining	2021-2022
102	PhD	PhD-104	Advanced Fluid Mechanics and CFD	2021-2022
102	PhD	PhD-105	Finite Element Methods	2021-2022
102	PhD	PhD-106	Composite Materials	2021-2022
102	PhD	PhD-107	Optimization Techniques	2021-2022
102	PhD	PhD-108	Computer Aided Design and Manufacturing (CAD/CAM)	2021-2022
102	PhD	PhD-109	Advanced Theory of Vibrations	2021-2022
102	PhD	PhD-201	Tribology	2021-2022
102	PhD	PhD-202	Thermo Economics and Power Plants	2021-2022
102	PhD	PhD-203	Advanced Thermodynamics	2021-2022
102	PhD	PhD-204	Presentation/Seminar	2021-2022
102	PhD	PhD-205	Production Engineering	2021-2022
102	PhD	PhD-206	Advanced Mechanics of Solids	2021-2022
102	PhD	PhD-207	Mechatronics	2021-2022
102	PhD	PhD-208	Product Design and Development	2021-2022

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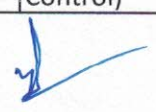
3.1 List of courses offered across all programs for the session 2021-22 (i.e from 01-07-2021 to 30-06-2022)

Department of Electrical Engineering

Sr. No	Program Code	Program Name	Course Code	Course Name	Year of offering the Course
1	16	B.Tech	BTPH102-18	Optics and Modern Physics	2021-22
2	16	B.Tech	BTPH112-18	Optics and Modern Physics Lab	2021-22
3	16	B.Tech	BTAM101-18	Mathematics-I (Calculus & Linear Algebra)	2021-22
4	16	B.Tech	BTEE101-18	Basic Electrical Engineering	2021-22
5	16	B.Tech	BTEE102-18	Basic Electrical Engineering (Lab)	2021-22
6	16	B.Tech	BTME101-18	Engineering Graphics & Design	2021-22
7	16	B.Tech	BMPD101-18	Mentoring and Professional Development	2021-22
8	16	B.Tech	BTCH101-18	Chemistry-I	2021-22
9	16	B.Tech	BTCH102-18	Chemistry-I (Lab)	2021-22
10	16	B.Tech	BTAM101-18	Mathematics-I (Calculus & Linear Algebra)	2021-22
11	16	B.Tech	BTPS101-18	Programming for Problem Solving	2021-22
12	16	B.Tech	BTPS102-18	Programming for Problem Solving (Lab)	2021-22
13	16	B.Tech	BTMP101-18	Workshop / Manufacturing Practices	2021-22
14	16	B.Tech	BTHU101-18	English	2021-22
15	16	B.Tech	BTHU102-18	English (Lab)	2021-22
16	16	B.Tech	BMPD101-18	Mentoring and Professional Development	2021-22
17	16	B.Tech	BTCH101-18	Chemistry-I	2021-22
18	16	B.Tech	BTCH102-18	Chemistry-I (Lab)	2021-22
19	16	B.Tech	BTAM202-18	Mathematics-II (Differential Equations & Numerical Methods)	2021-22
20	16	B.Tech	BTPS101-18	Programming for Problem Solving	2021-22
21	16	B.Tech	BTPS102-18	Programming for Problem Solving (Lab)	2021-22
22	16	B.Tech	BTMP101-18	Workshop / Manufacturing Practices	2021-22
23	16	B.Tech	BTHU101-18	English	2021-22
24	16	B.Tech	BTHU102-18	English (Lab)	2021-22
25	16	B.Tech	BMPD201-18	Mentoring and Professional Development	2021-22
26	16	B.Tech	BTPH102-18	Optics and Modern Physics	2021-22
27	16	B.Tech	BTPH112-18	Optics and Modern Physics Lab	2021-22
28	16	B.Tech	BTAM202-18	Mathematics-II (Differential Equations & Numerical Methods)	2021-22
29	16	B.Tech	BTEE101-18	Basic Electrical Engineering	2021-22

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30	16	B.Tech	BTEE102-18	Basic Electrical Engineering (Lab)	2021-22
31	16	B.Tech	BTME101-18	Engineering Graphics & Design	2021-22
32	16	B.Tech	BMPD201-18	Mentoring and Professional Development	2021-22
33	16	B.Tech	BTEE- 301-18	Electrical Circuit Analysis	2021-22
34	16	B.Tech	BTEE- 302-18	Analog Electronics	2021-22
35	16	B.Tech	BTEE- 303-18	Electrical Machines – I	2021-22
36	16	B.Tech	BTEE- 304-18	Electromagnetic Fields	2021-22
37	16	B.Tech	BTEE- 305-18	Engineering Mechanics	2021-22
38	16	B.Tech	BTEE- 311-18	Analog Electronics Laboratory	2021-22
39	16	B.Tech	BTEE- 312-18	Electrical Machines – I Laboratory	2021-22
40	16	B.Tech	BTMC-101-18	Indian Constitution	2021-22
41	16	B.Tech	BMPD-301-18	Mentoring and Professional Development of Students	2021-22
42	16	B.Tech	BTEE-321-18	Institutional Summer Vacation Training*	2021-22
43	16	B.Tech	BTEE- 401-18	Digital Electronics	2021-22
44	16	B.Tech	BTEE- 402-18	Electrical Machines – II	2021-22
45	16	B.Tech	BTEE- 403-18	Power Electronics	2021-22
46	16	B.Tech	BTEE- 404-18	Signals and Systems	2021-22
47	16	B.Tech	BTAM-302-18	Mathematics-III (Probability & Statistics)	2021-22
48	16	B.Tech	BTEE- 411-18	Measurements and Instrumentation Lab.	2021-22
49	16	B.Tech	BTEE- 412-18	Digital Electronics Laboratory	2021-22
50	16	B.Tech	BTEE- 413-18	Electrical Machines – II Laboratory	2021-22
51	16	B.Tech	BTEE- 414-18	Power Electronics Laboratory	2021-22
52	16	B.Tech	BTMC-102-18	Essence of Indian Traditional Knowledge	2021-22
53	16	B.Tech	BMPD-401-18	Mentoring and Professional Development of Students	2021-22
54	16	B.Tech	BTEE- 501-18	Power Systems – I (Apparatus & Modeling)	2021-22
55	16	B.Tech	BTEE- 502-18	Control Systems	2021-22
56	16	B.Tech	BTEE- 503-18	Microprocessors	2021-22
57	16	B.Tech	BTEE-504A-18	Electrical Engineering Materials	2021-22
58	16	B.Tech	BTEE-504B-18	Switchgear and Protection	2021-22
59	16	B.Tech	BTEE-504C-18	Electrical Machine Design	2021-22
60	16	B.Tech	BTEE-504D-18	Renewable Energy Sources	2021-22
61	16	B.Tech	EVS-101-18	Environmental Studies	2021-22
62	16	B.Tech	BTEE- 511-18	Power Systems-I Laboratory	2021-22
63	16	B.Tech	BTEE- 512-18	Control Systems Laboratory	2021-22
64	16	B.Tech	BTEE- 513-18	Microprocessors Laboratory	2021-22
65	16	B.Tech	BTEE- 521-18	Summer Industry Internship	2021-22
66	16	B.Tech	BMPD-501-18	Mentoring and Professional Development of Students	2021-22
67	16	B.Tech	BTEE- 601-18	Power System-II (Operation and Control)	2021-22

  
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68	16	B.Tech	BTEE- 602-18	Power Generation and Economics	2021-22
69	16	B.Tech	BTEE-603A-18	Electromagnetic Waves	2021-22
70	16	B.Tech	BTEE-603B-18	Power System Dynamics and Control	2021-22
71	16	B.Tech	BTEE-603C-18	Electrical Drives	2021-22
72	16	B.Tech	BTEE-603D-18	Wind and Solar Energy Systems	2021-22
73	16	B.Tech	BTEE-604A-18	High Voltage Engineering	2021-22
74	16	B.Tech	BTEE-604B-18	Power System Reliability	2021-22
75	16	B.Tech	BTEE-604C-18	Line-Commutated and Active PWM Rectifiers	2021-22
76	16	B.Tech	BTEE-604D-18	Energy Efficient Systems	2021-22
77	16	B.Tech	OEE-201-18	Electric Machines	2021-22
78	16	B.Tech	OEE-202-18	Industrial Electrical Systems	2021-22
79	16	B.Tech	OEE-203-18	Wind and Solar Energy Systems	2021-22
80	16	B.Tech	OEE-204-18	Power Systems	2021-22
81	16	B.Tech	BTEE- 611-18	Electronic Design Laboratory	2021-22
82	16	B.Tech	BTEE-612-18	Power Systems-II Laboratory	2021-22
83	16	B.Tech	BTEE-621-18	Project-1	2021-22
84	16	B.Tech	BMPD-601-18	Mentoring and Professional Development of Students	2021-22
85	16	B.Tech	BTEE-701A-18	Electrical Energy Conservation & Auditing	2021-22
86	16	B.Tech	BTEE-701B-18	Computer Aided Power System Analysis	2021-22
87	16	B.Tech	BTEE-701C-18	Power Quality and FACTS	2021-22
88	16	B.Tech	BTEE-701D-18	Electrical and Hybrid Vehicles	2021-22
89	16	B.Tech	BTEE-702A-18	Computational Electromagnetics	2021-22
90	16	B.Tech	BTEE-702B-18	Microcontroller and PLC	2021-22
91	16	B.Tech	BTEE-702C-18	Control Systems Design	2021-22
92	16	B.Tech	BTEE-702A-18	Computational Electromagnetics	2021-22
93	16	B.Tech	BTEE-702D-18	Distributed Generation	2021-22
94	16	B.Tech	BTEE-703A-18	Industrial Electrical Systems	2021-22
95	16	B.Tech	BTEE-703B-18	Restructured Power Systems	2021-22
96	16	B.Tech	BTEE-703C-18	Advanced Electric Drives	2021-22
97	16	B.Tech	BTEE-703D-18	Energy Storage System	2021-22
98	16	B.Tech	BTEE-702D-18	Distributed Generation	2021-22
99	16	B.Tech	OEE-101-18	Control Systems	2021-22
100	16	B.Tech	OEE-102-18	Power Electronics	2021-22
101	16	B.Tech	OEE-103-18	Electrical Energy Conservation & Auditing	2021-22
102	16	B.Tech	OEE-104-18	Renewable Energy Sources	2021-22
103	16	B.Tech	HSMC103-18	Education, Technology and Society	2021-22
104	16	B.Tech	HSMC104-18	History of Science and Technology in India	2021-22
105	16	B.Tech	HSMC113-18	Values and Ethics	2021-22
106	16	B.Tech	HSMC118-18	Introduction to Women's and Gender Studies	2021-22

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107	16	B.Tech	HSMC124-18	Sanskrit Bhasa	2021-22
108	16	B.Tech	HSMC (MME-303)	Law and Engineering	2021-22
109	16	B.Tech	BTEE- 721-18	Project-2	2021-22
110	16	B.Tech	BMPD-701-18	Mentoring and Professional Development of Students	2021-22
111	16	B.Tech	BTEE- 801-18	Smart Grids	2021-22
112	16	B.Tech	BTEE- 802-18	Artificial Intelligence Techniques	2021-22
113	16	B.Tech	BTEE- 803-18	Indian Electricity Standards and Practices	2021-22
114	16	B.Tech	BTEE- 811-18	Modeling and Simulation Lab	2021-22
115	16	B.Tech	BTEE- 812-18	Technical Report Writing and Presentation	2021-22
116	16	B.Tech	BMPD-801-18	Mentoring and Professional Development of Students	2021-22
117	379	M.Tech (PSRE)	PSRE-101/21	Computer Aided Power System Analysis	2021-22
118	379	M.Tech (PSRE)	PSRE-102/21	Distributed Generation	2021-22
119	379	M.Tech (PSRE)	PSRE-103A/21	FACTS and custom Power Devices	2021-22
120	379	M.Tech (PSRE)	PSRE-103B/21	Advanced Power System Protection	2021-22
121	379	M.Tech (PSRE)	PSRE-103C/21	Mathematical Methods for Power Engineering	2021-22
122	379	M.Tech (PSRE)	PSRE-103D/21	Analysis of Power Converter	2021-22
123	379	M.Tech (PSRE)	PSRE-104A/21	Solar PV Energy System	2021-22
124	379	M.Tech (PSRE)	PSRE-104B/21	Waste to Energy Conversion Technologies	2021-22
125	379	M.Tech (PSRE)	PSRE-104C/21	Small Hydro and Non-Conventional Technologies	2021-22
126	379	M.Tech (PSRE)	PSRE-104D/21	Solar Energy Conversion Technologies	2021-22
127	379	M.Tech (PSRE)	MTRM-101/21	Research Methodology and IPR	2021-22
128	379	M.Tech (PSRE)	PSRE-105/21	Computer Aided Power System Analysis Lab	2021-22
129	379	M.Tech (PSRE)	PSRE-106/21	Power Simulation Lab-I	2021-22
130	379	M.Tech (PSRE)	MTA-101/21	English for Research Paper Writing	2021-22
131	379	M.Tech (PSRE)	MTA-102/21	Disaster Management	2021-22
132	379	M.Tech (PSRE)	MTA-103//21	Sanskrit for Technical Knowledge	2021-22
133	379	M.Tech (PSRE)	MTA-104/21	Value Education	2021-22
134	379	M.Tech (PSRE)	PSRE-103A/21	FACTS and custom Power Devices	2021-22
135	379	M.Tech (PSRE)	PSRE-103B/21	Advanced Power System Protection	2021-22
136	379	M.Tech (PSRE)	PSRE-103C/21	Mathematical Methods for Power Engineering	2021-22
137	379	M.Tech (PSRE)	PSRE-103D/21	Analysis of Power Converter	2021-22
138	379	M.Tech (PSRE)	PSRE-104A/21	Solar PV Energy System	2021-22

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139	379	M.Tech (PSRE)	PSRE-104B/21	Waste to Energy Conversion Technologies	2021-22
140	379	M.Tech (PSRE)	PSRE-104C/21	Small Hydro and Non-Conventional Technologies	2021-22
141	379	M.Tech (PSRE)	PSRE-104D/21	Solar Energy Conversion Technologies	2021-22
142	379	M.Tech (PSRE)	MTA-101/21	English for Research Paper Writing	2021-22
143	379	M.Tech (PSRE)	MTA-102/21	Disaster Management	2021-22
144	379	M.Tech (PSRE)	MTA-103//21	Sanskrit for Technical Knowledge	2021-22
145	379	M.Tech (PSRE)	MTA-104/21	Value Education	2021-22
146	379	M.Tech (PSRE)	PSRE-201/21	Energy Forecasting and Modelling	2021-22
147	379	M.Tech (PSRE)	PSRE-202/21	Power System Generation Control	2021-22
148	379	M.Tech (PSRE)	PSRE-203A/21	Power Quality and and Harmonic Analysis	2021-22
149	379	M.Tech (PSRE)	PSRE-203B/21	Power System Dynamics	2021-22
150	379	M.Tech (PSRE)	PSRE-203C/21	Reliability Analysis and Protection	2021-22
151	379	M.Tech (PSRE)	PSRE-203D/21	Energy Economics and Policies	2021-22
152	379	M.Tech (PSRE)	PSRE-204A/21	Electric and Hybrid Vehicles	2021-22
153	379	M.Tech (PSRE)	PSRE-204B/21	Smart Grids	2021-22
154	379	M.Tech (PSRE)	PSRE-204C/21	Engineering Optimization	2021-22
155	379	M.Tech (PSRE)	PSRE-204D/21	Artificial Intelligence Techniques	2021-22
156	379	M.Tech (PSRE)	MTPR-101/21	Mini Project with Seminar	2021-22
157	379	M.Tech (PSRE)	PSRE-205/21	Power Simulation Lab-II	2021-22
158	379	M.Tech (PSRE)	PSRE-206/21	Renewable Energy Lab	2021-22
159	379	M.Tech (PSRE)	MTA-105/21	Constitution of India	2021-22
160	379	M.Tech (PSRE)	MTA-106/21	Pedagogy Studies	2021-22
161	379	M.Tech (PSRE)	MTA-107/21	Stress Management of Yoga	2021-22
162	379	M.Tech (PSRE)	MTA-108/21	Personality Development through Life Enlightenment Skills	2021-22
163	379	M.Tech (PSRE)	PSRE-203A/21	Power Quality and Harmonic Analysis	2021-22
164	379	M.Tech (PSRE)	PSRE-203B/21	Power System Dynamics	2021-22
165	379	M.Tech (PSRE)	PSRE-203C/21	Reliability Analysis and Protection	2021-22
166	379	M.Tech (PSRE)	PSRE-203D/21	Energy Economics and Policies	2021-22
167	379	M.Tech (PSRE)	PSRE-204A/21	Electric and Hybrid Vehicles	2021-22
168	379	M.Tech (PSRE)	PSRE-204B/21	Smart Grids	2021-22
169	379	M.Tech (PSRE)	PSRE-204C/21	Engineering Optimization	2021-22
170	379	M.Tech (PSRE)	PSRE-204D/21	Artificial Intelligence Techniques	2021-22
171	379	M.Tech (PSRE)	MTA-105/21	Constitution of India	2021-22
172	379	M.Tech (PSRE)	MTA-106/21	Pedagogy Studies	2021-22
173	379	M.Tech (PSRE)	MTA-107/21	Stress Management of Yoga	2021-22

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174	379	M.Tech (PSRE)	MTA-108/21	Personality Development through Life Enlightenment Skills	2021-22
175	379	M.Tech (PSRE)	PSRE-301A/21	Industrial Load Modelling and Control	2021-22
176	379	M.Tech (PSRE)	PSRE-301B/21	Power System Deregulation	2021-22
177	379	M.Tech (PSRE)	PSRE-301C/21	Solar PV Energy System	2021-22
178	379	M.Tech (PSRE)	PSRE-301D/21	Energy Storage System	2021-22
179	379	M.Tech (PSRE)	MTOE-301A/21	Business Analysis	2021-22
180	379	M.Tech (PSRE)	MTOE-301B/21	Industrial Safety	2021-22
181	379	M.Tech (PSRE)	MTOE-301C/21	Operations Research	2021-22
182	379	M.Tech (PSRE)	MTOE-301D/21	Cost Management of Engineering Projects	2021-22
183	379	M.Tech (PSRE)	MTOE-301E/21	Composite Materials	2021-22
184	379	M.Tech (PSRE)	MTOE-301F/21	Waste to Energy	2021-22
185	379	M.Tech (PSRE)	PSRE- 302/21	Phase-I Dissertation	2021-22
186	379	M.Tech (PSRE)	PSRE-301A/21	Industrial Load Modelling and Control	2021-22
187	379	M.Tech (PSRE)	PSRE-301B/21	Power System Deregulation	2021-22
188	379	M.Tech (PSRE)	PSRE-301C/21	Solar PV Energy System	2021-22
189	379	M.Tech (PSRE)	PSRE-301D/21	Energy Storage System	2021-22
190	379	M.Tech (PSRE)	MTOE-301A/21	Business Analysis	2021-22
191	379	M.Tech (PSRE)	MTOE-301B/21	Industrial Safety	2021-22
192	379	M.Tech (PSRE)	MTOE-301C/21	Operations Research	2021-22
193	379	M.Tech (PSRE)	MTOE-301D/21	Cost Management of Engineering Projects	2021-22
194	379	M.Tech (PSRE)	MTOE-301E/21	Composite Materials	2021-22
195	379	M.Tech (PSRE)	MTOE-301F/21	Waste to Energy	2021-22
196	379	M.Tech (PSRE)	PSRE-401/21	Phase-II Dissertation	2021-22
197	4001	Ph.D	Core	Research Methodology	2021-22
198	4001	Ph.D	Core	Power System Engineering	2021-22
199	4001	Ph.D	Core	Power Electronics	2021-22
200	4001	Ph.D	Core	Electrical Drives Engineering	2021-22
201	4001	Ph.D	Core	Energy Management Engineering	2021-22
202	4001	Ph.D	Core	Microelectronics and Control Systems	2021-22
203	4001	Ph.D	Core	Advanced Relaying and Protection	2021-22
204	4001	Ph.D	Core	Digital System Design	2021-22
205	4001	Ph.D	Core	Modelling and Analysis of Dynamic Systems	2021-22
206	4001	Ph.D	Core	Bio Medical Signal Processing	2021-22
207	4001	Ph.D	Core	Sensors and Applications	2021-22
208	4001	Ph.D	Core	Scientific and Analytical Instrumentation	2021-22
209	4001	Ph.D	Core	Renewable Energy Resources	2021-22
210	4001	Ph.D	Core	Presentation/Seminar	2021-22
211	4001	Ph.D	Core	Signal Processing	2021-22
212	4001	Ph.D	Core	Communication Systems	2021-22

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3.1 List of courses offered across all programs during the last year

Program code	Program name	Course code	Course name	Year of offering the course
601	B.Tech(Electronics & Communication Engineering)	BTEC-909C-18	Embedded Systems Design	2021-2022
		BTEC-321-18	4-Week Institutional Training	2021-2022
		UC-BTEC-901A-18	AC &DC Motors	2021-2022
		BTEC-907E-18	Adaptive Signal Processing	2021-2022
		UC-BTEC-501-18	Analog and Digital Communication	2021-2022
		UC-BTEC-511-18	Analog and Digital Communication Laboratory	2021-2022
		BTEC-401-18	Analog Circuits	2021-2022
		BTEC-411-18	Analog Circuits Laboratory	2021-2022
		BTEC-907B-18	Antenna Radiating Systems	2021-2022
		BTEC-908A-18	Artificial Intelligence	2021-2022
		BTEC-909D-18	Artificial Intelligence and Machine Learning	2021-2022
		UC-BTEC-902E-18	Artificial Neural Network	2021-2022
		BTEC-909A-18	Big Data Fundamentals	2021-2022
		BTEC-909E-18	Bio Medical Signal Processing	2021-2022
		UC-BTEC-504-18	Control Systems	2021-2022
		BTEC-908E-18	Digital Image and Video Processing	2021-2022
		UC-BTEC-502-18	Digital Signal Processing	2021-2022
		UC-BTEC-512-18	Digital Signal Processing Laboratory	2021-2022
		BTEC-302-18	Digital System Design	2021-2022
		BTEC-312-18	Digital System Design Laboratory	2021-2022
		BTEC-303-18	Electromagnetic Waves	2021-2022
		BTEC-301-18	Electronic Devices	2021-2022
		BTEC-311-18	Electronic Devices Laboratory	2021-2022
		BTEC-909B-18	Information Theory and Coding	2021-2022
		BTEC-907A-18	Internet of Things (IoT) and Cloud Computing	2021-2022
		UC-BTEC-901F-18	Java Programming	2021-2022
		UC-BTEC-503-18	Linear Integrated Circuits	2021-2022
		UC-BTEC-513-18	Linear Integrated Circuits Laboratory	2021-2022
		BMPD-331-18	Mentoring and Professional Development	2021-2022
		BTEC-402-18	Microprocessors and Microcontrollers	2021-2022
		BTEC-412-18	Microprocessors and Microcontrollers Laboratory	2021-2022
UC-BTEC-603-18	Microwave and Antenna Engineering	2021-2022		
UC-BTEC-612-18	Microwave and Antenna Engineering Laboratory	2021-2022		

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UC-BTEC-902C-18	Mobile Ad hoc Networks	2021-2022
BTEC-908B-18	Mobile Communication Network	2021-2022
BTEC-304-18	Network Theory	2021-2022
UC-BTEC-602-18	Optical Fibres & Communication	2021-2022
UC-BTEC-611-18	Optical Fibres & Communication Laboratory	2021-2022
UC-BTEC-902B-18	Power Electronics	2021-2022
UC-BTEC-631-18	Project-I	2021-2022
BTEC-731-18	Project-II	2021-2022
BTEC-907D-18	Python Programming	2021-2022
BTEC-907C-18	Robotics and Embedded Systems	2021-2022
UC-BTEC-901C-18	Satellite Communication	2021-2022
BTEC-403-18	Signals and Systems	2021-2022
BTEC-908D-18	Soft Computing	2021-2022
BTEC-908C-18	VLSI Design	2021-2022
UC-BTEC-601-18	Wireless Communication	2021-2022
MTWC-101-18	Wireless and Mobile Communication	2021-2022
MTWC-102-18	Information Theory and Coding	2021-2022
MTWC-103-18	Advance Wireless Communication	2021-2022
MTAXX-18	Audit Course -I	2021-2022
MTWC-DS1-18	Dissertation Phase -I	2021-2022
MTWC-DS2-18	Dissertation Phase -II	2021-2022
MTWC-PE1X-18	Elective I	2021-2022
MTWC-PE2X-18	Elective II	2021-2022
MTWC-PE5X-18	Elective -V	2021-2022
MTWC-PE3X-18	Elective-III	2021-2022
MTWC-PE4X-18	Elective-IV	2021-2022
MTWC-MP1-18	Mini Project	2021-2022
MTOE-301X-18	Open Elective	2021-2022
MTRM-101-18	Research Methodology & IPR	2021-2022
MTWC-104-18	Soft Computing Techniques	2021-2022
MTWC-105-18	Simulation of Wireless Communication Systems	2021-2022
MTWC-111-18	Wireless Communication Lab	2021-2022
MTWC-112-18	Information Theory and Coding Lab	2021-2022
MTWC-113-18	Wireless Communication Simulation Lab	2021-2022
PhD(ECE)	Advanced Data Communication	2021-2022
PhD(ECE)	Bio-Medical Signal Processing	2021-2022
PhD(ECE)	Image and Video Processing	2021-2022
PhD(ECE)	Low Power VLSI Circuits	2021-2022
PhD(ECE)	RF & Microwave System Design	2021-2022

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M Tech(Electronics & Communication Engineering)  
(Wireless Communication)

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PhD(ECE)	MOS Circuit Design	2021-2022
PhD(ECE)	Advanced Communication Systems	2021-2022
PhD(ECE)	Advanced Digital Signal processing	2021-2022
PhD(ECE)	Advanced Wireless Communication	2021-2022
PhD(ECE)	Coding Theory and Techniques	2021-2022
PhD(ECE)	Microwave and Millimeter Wave circuits	2021-2022
PhD(ECE)	Optical Communication Technology	2021-2022
PhD(ECE)	Optical Networks.	2021-2022
PhD(ECE)	Radiating systems	2021-2022
PhD(ECE)	Real Time Concepts for Embedded Systems	2021-2022
PhD(ECE)	Research Methodology	2021-2022

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PhD(Electronics & Communication Engineering)

  
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3.1 List of courses offered across all programs during last year				
Program code	Program name	Course code	Course name	Year of offering the course
635 / B.Sc (Hons.) Food Technology	B.Sc (Hons) Food Technology	BSFT111-21	Introduction to Food Science	2021
635 / B.Sc (Hons.) Food Technology	B.Sc (Hons) Food Technology	BSFT112-21	Technology of Food Preservation	2021
635 / B.Sc (Hons.) Food Technology	B.Sc (Hons) Food Technology	BSFT113-21	Lab - Introduction to Food Science	2021
635 / B.Sc (Hons.) Food Technology	B.Sc (Hons) Food Technology	BSFT114-21	Lab - Technology of Food Preservation	2021
635 / B.Sc (Hons.) Food Technology	B.Sc (Hons) Food Technology	BSCGE-209-21	Introduction to Computer	2021
635 / B.Sc (Hons.) Food Technology	B.Sc (Hons) Food Technology	BSCGE-210-21	Introduction to Computer (Lab)	2021
635 / B.Sc (Hons.) Food Technology	B.Sc (Hons) Food Technology	BTHU103-18	English	2021
635 / B.Sc (Hons.) Food Technology	B.Sc (Hons) Food Technology	BTHU104-18	English (Lab)	2021
635 / B.Sc (Hons.) Food Technology	B.Sc (Hons) Food Technology	HVPE101-18	Human Values, De-addiction and Traffic Rules	2021
635 / B.Sc (Hons.) Food Technology	B.Sc (Hons) Food Technology	HVPE102-18	Human Values, De-addiction and Traffic Rules (Lab/ Seminar)	2021
635 / B.Sc (Hons.) Food Technology	B.Sc (Hons) Food Technology		Mentoring and Professional Development	2021
635 / B.Sc (Hons.) Food Technology	B.Sc (Hons) Food Technology	BSFT121-18	Food and Nutrition	2021
635 / B.Sc (Hons.) Food Technology	B.Sc (Hons) Food Technology	BSFT122-18	Post-harvest management of Fruits & Vegetables	2021
635 / B.Sc (Hons.) Food Technology	B.Sc (Hons) Food Technology	BSFT123-18	Lab - Food and Nutrition	2021
635 / B.Sc (Hons.) Food Technology	B.Sc (Hons) Food Technology	BSFT124-18	Lab-Post-harvest management of Fruits & Vegetables	2021
635 / B.Sc (Hons.) Food Technology	B.Sc (Hons) Food Technology	BSCSEC-101-21	Entrepreneurship Development	2021
635 / B.Sc (Hons.) Food Technology	B.Sc (Hons) Food Technology	BSCSEC-102-21	Food Product Development	2021
635 / B.Sc (Hons.) Food Technology	B.Sc (Hons) Food Technology	BSCGE-201-21	Introduction to Biology	2021
635 / B.Sc (Hons.) Food Technology	B.Sc (Hons) Food Technology	BSCGE-202-21	Introduction to Biology (Lab)	2021
635 / B.Sc (Hons.) Food Technology	B.Sc (Hons) Food Technology	EVS102-18	Environmental Science	2021
400/ M.Sc. Food Technology	M.Sc. Food Technology	UC-MSFT-511-19	Food Chemistry	2021
400/ M.Sc. Food Technology	M.Sc. Food Technology	UC-MSFT-512-19	Principles of Food Engineering	2021
400/ M.Sc. Food Technology	M.Sc. Food Technology	UC-MSFT-513-19	Food Microbiology	2021
400/ M.Sc. Food Technology	M.Sc. Food Technology	UC-MSFT-514-19	Food Processing & Preservation	2021
400/ M.Sc. Food Technology	M.Sc. Food Technology	UC-MSFT-515-19	Lab - I (Food Microbiology)	2021
400/ M.Sc. Food Technology	M.Sc. Food Technology	UC-MSFT-516-19	Lab - II (Food Preservation & Analysis)	2021
400/ M.Sc. Food Technology	M.Sc. Food Technology	UC-MSFT-517-19	Nutraceuticals & Functional Foods	2021
400/ M.Sc. Food Technology	M.Sc. Food Technology	UC-MSFT-521-19	Dairy Technology	2021
400/ M.Sc. Food Technology	M.Sc. Food Technology	UC-MSFT-522-19	Technology of Fruits & Vegetables	2021
400/ M.Sc. Food Technology	M.Sc. Food Technology	UC-MSFT-523-19	Packaging Technology	2021
400/ M.Sc. Food Technology	M.Sc. Food Technology	UC-MSFT-524-19	Lab - III (Dairy Technology)	2021
400/ M.Sc. Food Technology	M.Sc. Food Technology	UC-MSFT-525-19	Lab - IV (Technology of Fruits & Vegetables)	2021
400/ M.Sc. Food Technology	M.Sc. Food Technology	UC-MSFT-526-19	Lab - V (Packaging Technology)	2021
400/ M.Sc. Food Technology	M.Sc. Food Technology	UC-MSFT-527-19	Bioprocess Technology	2021
400/ M.Sc. Food Technology	M.Sc. Food Technology	UC-MSFT-528-19	Technology of Beverages	2021
400/ M.Sc. Food Technology	M.Sc. Food Technology	UC-MSFT-529-19	Lab - VI (Bioprocess Technology)	2021
400/ M.Sc. Food Technology	M.Sc. Food Technology	UC-MSFT-530-19	Lab - VII (Technology of Beverages)	2021
400/ M.Sc. Food Technology	M.Sc. Food Technology	UC-MSFT-611-19	Technology of Cereals, Pulses & oilseeds	2021
400/ M.Sc. Food Technology	M.Sc. Food Technology	UC-MSFT-612-19	Food Safety, Standards & Quality Control	2021
400/ M.Sc. Food Technology	M.Sc. Food Technology	UC-MSFT-613-19	Agri Business Management	2021
400/ M.Sc. Food Technology	M.Sc. Food Technology	UC-MSFT-614-19	Lab - VIII (Technology of Cereals, Pulses & oilseeds)	2021
400/ M.Sc. Food Technology	M.Sc. Food Technology	UC-MSFT-615-19	Food Additives	2021
400/ M.Sc. Food Technology	M.Sc. Food Technology	UC-MSFT-616-19	Nutrition & Health	2021
400/ M.Sc. Food Technology	M.Sc. Food Technology	UC-MSFT-617-19	Lab - IX (Food Additives)	2021
400/ M.Sc. Food Technology	M.Sc. Food Technology	UC-MSFT-618-19	Lab - X (Nutrition & Health)	2021

400/ M.Sc. Food Technology	M.Sc. Food Technology	UC-MSFT-619-19	In-Plant Training	2021
400/ M.Sc. Food Technology	M.Sc. Food Technology	UC-MSFT-620-19	Seminar	2021
400/ M.Sc. Food Technology	M.Sc. Food Technology	UC-MSFT-621-19	Snack Food Technology	2021
400/ M.Sc. Food Technology	M.Sc. Food Technology	UC-MSFT-622-19	Food Biotechnology	2021
400/ M.Sc. Food Technology	M.Sc. Food Technology	UC-MSFT-623-19	Technology of Meat, Fish and Poultry	2021
400/ M.Sc. Food Technology	M.Sc. Food Technology	UC-MSFT-624-19	Dissertation	2021
613/M.Sc. Clinical Research	M.Sc. Clinical Research	UC-MSCR101-19	Foundation Course	2021
613/M.Sc. Clinical Research	M.Sc. Clinical Research	UC-MSCR102-19	Fundamentals of Clinical Research	2021
613/M.Sc. Clinical Research	M.Sc. Clinical Research	UC-MSCR103-19	General Pharmacology	2021
613/M.Sc. Clinical Research	M.Sc. Clinical Research	UC-MSCR104-19	Clinical Research Lab	2021
613/M.Sc. Clinical Research	M.Sc. Clinical Research	UC-MSCR105-19	Professional Communication	2021
613/M.Sc. Clinical Research	M.Sc. Clinical Research	UC-MSCR106-19	Seminar/Journal Club	2021
613/M.Sc. Clinical Research	M.Sc. Clinical Research	UC-MSCR 111-19	Intellectual Property Rights	2021
613/M.Sc. Clinical Research	M.Sc. Clinical Research	UC-MSCR 115-19	Fundamentals of Physiology	2021
613/M.Sc. Clinical Research	M.Sc. Clinical Research	UC-MSCR 201-19	Pharmacotherapeutics - I	2021
613/M.Sc. Clinical Research	M.Sc. Clinical Research	UC-MSCR202-19	Clinical Research Regulations &	2021
613/M.Sc. Clinical Research	M.Sc. Clinical Research	UC-MSCR203-19	Clinical Research Lab-II	2021
613/M.Sc. Clinical Research	M.Sc. Clinical Research	UC-MSCR204-19	Professional Communication Lab	2021
613/M.Sc. Clinical Research	M.Sc. Clinical Research	UC-MSCR205-20	Medical Writing	2021
613/M.Sc. Clinical Research	M.Sc. Clinical Research	UC-MSCR206-19	Journal Club	2021
613/M.Sc. Clinical Research	M.Sc. Clinical Research	UC-MSCR212-19	Intellectual Property Rights	2021
613/M.Sc. Clinical Research	M.Sc. Clinical Research	UC-MSCR213-19	Biostatistics in Clinical Research	2021
613/M.Sc. Clinical Research	M.Sc. Clinical Research	UC-MSCR301-19	Pharmacotherapeutics -II	2021
613/M.Sc. Clinical Research	M.Sc. Clinical Research	UC-MSCR302-19	Clinical Study Design	2021
613/M.Sc. Clinical Research	M.Sc. Clinical Research	UC-MSCR303-19	Research Methodology	2021
613/M.Sc. Clinical Research	M.Sc. Clinical Research	UC-MSCR304-19	Pharmacovigilance	2021
613/M.Sc. Clinical Research	M.Sc. Clinical Research	UC-MSCR305-19	Clinical Research Lab III	2021
613/M.Sc. Clinical Research	M.Sc. Clinical Research	UC-MSCR306-19	ICT Skills Lab	2021
613/M.Sc. Clinical Research	M.Sc. Clinical Research	UC-MSCR307-19	Journal Club	2021
613/M.Sc. Clinical Research	M.Sc. Clinical Research	UC-MSCR308-19	Synopsis	2021
613/M.Sc. Clinical Research	M.Sc. Clinical Research	UC-MSCR311-20	Clinical Trial Operations	2021
613/M.Sc. Clinical Research	M.Sc. Clinical Research	UC-MSCR313-19	Pharmacoeconomics & Health Technology Assessment	2021
613/M.Sc. Clinical Research	M.Sc. Clinical Research	UC-MSCR401-19	Seminar	2021
613/M.Sc. Clinical Research	M.Sc. Clinical Research	UC-MSCR402-19	Dissertation	2021
613/M.Sc. Clinical Research	M.Sc. Clinical Research	UC-MSCR403-19	Co-curricular Activities	2021
103/Ph.D Pharmacy	Ph.D Pharmaceutical Sciences	PHP-101	Research Methodology	2021
103/Ph.D Pharmacy	Ph.D Pharmaceutical Sciences	PHP-102	Research & Publication Ethics	2021
103/Ph.D Pharmacy	Ph.D Pharmaceutical Sciences	PHP-201	Pharmaceutics	2021
103/Ph.D Pharmacy	Ph.D Pharmaceutical Sciences	PHP-202	Pharmaceutical Chemistry	2021
103/Ph.D Pharmacy	Ph.D Pharmaceutical Sciences	PHP-203	Pharmacology	2021
103/Ph.D Pharmacy	Ph.D Pharmaceutical Sciences	PHP-204	Pharmacognosy	2021
103/Ph.D Pharmacy	Ph.D Pharmaceutical Sciences	PHP-301	Modern Pharmaceutical Analytical Techniques	2021
103/Ph.D Pharmacy	Ph.D Pharmaceutical Sciences	PHP-302	Intellectual Property Rights	2021
103/Ph.D Pharmacy	Ph.D Pharmaceutical Sciences	PHP-303	Pharmacology & Toxicological Screening Methods	2021
103/Ph.D Pharmacy	Ph.D Pharmaceutical Sciences	PHP-304	Biochemical & Separation Techniques	2021
103/Ph.D Pharmacy	Ph.D Pharmaceutical Sciences	PHP-305	Bioprocess Technology	2021
103/Ph.D Pharmacy	Ph.D Pharmaceutical Sciences	PHP-306	Recombinant Biotechnology	2021
103/Ph.D Pharmacy	Ph.D Pharmaceutical Sciences	PHP-307	Plant Tissue Culture	2021
103/Ph.D Pharmacy	Ph.D Pharmaceutical Sciences	PHP-401	Presention	2021
Ph.D Course Work (Biotechnology)	PhD Life Sciences (Biotechnology)		Research Methodology	2021
Ph.D Course Work (Biotechnology)	PhD Life Sciences (Biotechnology)		Biochemical & Separation Techniques	2021
Ph.D Course Work (Biotechnology)	PhD Life Sciences (Biotechnology)		Bioprocess Technology	2021
Ph.D Course Work (Biotechnology)	PhD Life Sciences (Biotechnology)		Recombinant Biotechnology	2021

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Ph.D Course Work (Biotechnology)	PhD Life Sciences (Biotechnology)		Plant Tissue Culture	2021
Ph.D Course Work (Biotechnology)	PhD Life Sciences (Biotechnology)		Modern Pharmaceutical Analytical Techniques	2021
Ph.D Course Work (Biotechnology)	PhD Life Sciences (Biotechnology)		Intellectual Property Rights	2021
Ph.D Course Work (Biotechnology)	PhD Life Sciences (Biotechnology)		Pharmacology & Toxicological Screening Methods	2021
657/Ph.D Food Science & Technology	Ph.D Course Work (Food Science & Technology)	PHDFT-101-20	Research Methodology	2021
657/Ph.D Food Science & Technology	Ph.D Course Work (Food Science & Technology)	PHDFT-101-20	Research and Publication Ethics	2021
657/Ph.D Food Science & Technology	Ph.D Course Work (Food Science & Technology)	PHDFT-201-20	Advances in Food Processing Technology	2021
657/Ph.D Food Science & Technology	Ph.D Course Work (Food Science & Technology)	PHDFT-202-20	Advances in Food Analysis	2021
657/Ph.D Food Science & Technology	Ph.D Course Work (Food Science & Technology)	PHDFT-203-20	Advances in Food Packaging	2021
657/Ph.D Food Science & Technology	Ph.D Course Work (Food Science & Technology)	PHDFT-204-20	Processing Technology for Bioactive Compounds	2021
657/Ph.D Food Science & Technology	Ph.D Course Work (Food Science & Technology)	PHDFT-301-20	Intellectual Property Rights	2021
657/Ph.D Food Science & Technology	Ph.D Course Work (Food Science & Technology)	PHDFT-302-20	Product Design & Development	2021
657/Ph.D Food Science & Technology	Ph.D Course Work (Food Science & Technology)	PHDFT-303-20	Project Planning & Implementation	2021
657/Ph.D Food Science & Technology	Ph.D Course Work (Food Science & Technology)	PHDFT-304-20	Food Supply Chain Management	2021
657/Ph.D Food Science & Technology	Ph.D Course Work (Food Science & Technology)	PHDFT-401-20	*Presentation	2021

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(Dr. Rajneesh Sachdev)  
Head, DFST

**DEPARTMENT OF MANAGEMENT AND HOSPITALITY (DOMH)  
I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY MAIN CAMPUS**

D. No. IKGPTU/DoM&amp;H. 7289

DATED: 02/03/2023

**List of courses offered across all programs during the Year 2021-22**

S.No.	Program Name	Course code	Course name
1	MBA	MBA101-18	Foundations of Management
2	MBA	MBA 102-18	Managerial Economics
3	MBA	MBA 103-18	Quantitative Techniques
4	MBA	MBA 104-18	Accounting for Management and Reporting
5	MBA	MBA 105-18	Business Environment and Indian Economy
6	MBA	MBA 106-18	Business Ethics and CSR
7	MBA	MBA 107-18	Business Communication for Managerial Effectiveness
8	MBA	MBA 201-18	Business Analytics for Decision Making
9	MBA	MBA 202-18	Legal Environment for Business
10	MBA	MBA 203-18	Marketing Management
11	MBA	MBA 204-18	Human Resource Management
12	MBA	MBA 205-18	Production and Operations Management
13	MBA	MBA 206-18	Corporate Finance and Indian Financial System
14	MBA	MBA 207-18	Entrepreneurship and Project Management
15	MBA	MBA GE 201-18	Computer Applications for Business
16	MBA	MBA 301-18	Organizational Behaviour & Design
17	MBA	MBA 302-18	Marketing Research
18	MBA	MBA 303-18	Seminar on Summer Training Report
19	MBA	MBA 921-18	Consumer Behaviour
20	MBA	MBA 922-18	Services Marketing
21	MBA	MBA 911-18	Investment Analysis and Portfolio Management
22	MBA	MBA 912-18	Management of Financial System
23	MBA	MBA 931-18	Organizational Change and Development
24	MBA	MBA 932-18	Employee Relations
25	MBA	MBA 401-18	Corporate Strategy
26	MBA	MBA 402-18	Project
27	MBA	MBA 403-18	Workshop on Indian Ethos
28	MBA	MBA 923-18	Integrated Marketing Communication and Brand Management
29	MBA	MBA 924-18	Retail and Sales Management
30	MBA	MBA 925-18	International and Social Media Marketing
31	MBA	MBA 926-18	Bottom of Pyramid and B2B Marketing
32	MBA	MBA 913-18	Behavioural Finance



**DEPARTMENT OF MANAGEMENT AND HOSPITALITY (DOMH)**  
**I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY MAIN CAMPUS**

33	MBA	MBA 914-18	Mergers, Acquisition and Corporate Restructuring
34	MBA	MBA 915-18	International Finance and Financial Derivatives
35	MBA	MBA 916-18	Personal Financial Planning and Taxation
36	MBA	MBA 933-18	International Human Resource Management
37	MBA	MBA 934-18	Strategic HRM
38	MBA	MBA 935-18	Leadership and Team Dynamics
39	MBA	MBA 936-18	Performance and Compensation Management
40	BBA	BBA 101-18	Principles and Practices of Management
41	BBA	BBA 102-18	Basic Accounting
42	BBA	BBAGE 101-18	Managerial Economics I
43	BBA	BTHU103/18	English
44	BBA	BTHU104/18	English Practical/Laboratory
45	BBA	HVPE101-18	Human Values, De-addiction and Traffic Rules
46	BBA	HVPE102-18	Human Values, De-addiction and Traffic Rules (Lab/ Seminar)
47	BBA	BMPD 102-18	Mentoring and Professional Development
48	BBA	BBA 201-18	Business Statistics
49	BBA	BBA 202-18	Business Environment
50	BBA	BBAGE 201-18	Managerial Economics II
51	BBA	EVS102-18	Environmental Studies
52	BBA	BMPD 202-18	Mentoring and Professional Development
53	BBA	BBA 301-18	Organizational Behaviour
54	BBA	BBA 302-18	Marketing Management
55	BBA	BBA 303-18	Cost & Management Accounting
56	BBA	BBAGE 301-18	Production and Operation Management
57	BBA	BBASEC 301-18	IT tools for Business
58	BBA	BMPD 302-18	Mentoring and Professional Development
59	BBA	BBA 401-18	Business Research Methods
60	BBA	BBA 402-18	Human Resource Management
61	BBA	BBA 403-18	Financial Management
62	BBA	BBAGE 401-18	Entrepreneurship Development
63	BBA	BBASEC 401-18	Business Ethics and Corporate Social Responsibility
64	BBA	BMPD 402-18	Mentoring and Professional Development
65	BBA	BBA501-18	Operation Research
66	BBA	BBA502-18	Mercantile Law
67	BBA	BMPD 502-18	Mentoring and Professional Development
68	BBA	BBA 511-18	Consumer Behaviour
69	BBA	BBA 512-18	Advertising and Sales Management
70	BBA	BBA 521-18	Corporate Accounting
71	BBA	BBA 522-18	Financial Markets & Services
72	BBA	BBA 531-18	Industrial Relations & Labour Law
73	BBA	BBA 532-18	Organisation Change & Development
74	BBA	BBA 601-18	Strategy Management
75	BBA	BBA 602-18	Company Law

**DEPARTMENT OF MANAGEMENT AND HOSPITALITY (DOMH)**  
**I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY MAIN CAMPUS**

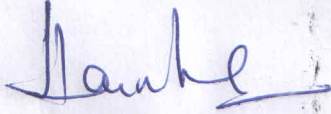
76	BBA	BMPD 602-18	Mentoring and Professional Development
77	BBA	BBA 611-18	Services Marketing
78	BBA	BBA 612-18	Retailing and Logistics Management
79	BBA	BBA 621-18	Personal Financial Planning
80	BBA	BBA 622-18	Direct and Indirect Tax Laws
81	BBA	BBA 631	Training & Development
82	BBA	BBA 632	Cross Cultural Human Resource Management
83	PhD	PHD 901	Research Methodology
84	PhD	PHD 902	Accounting and Finance
85	PhD	PHD 903	Marketing Management
86	PhD	PHD 904	Human Resource Management
87	PhD	PHD 905	Report Writing and Presentation
88	PhD	PHD 906	Human Values and Professional Ethics
89	PhD	-	Research and Publication Ethics
90	MBA	MBA 206-21	Corporate Finance and Policy
91	MBA	MBA 203-21	Marketing Management
92	BHMCT	BHMCT-101-18	Food Production Foundation
93	BHMCT	BHMCT-102-18	Food Production Foundation Practical
94	BHMCT	BHMCT-103-18	Food and Beverage Service
95	BHMCT	BHMCT-104-18	Food and Beverage Service Practical
96	BHMCT	BHMCT-105-18	Front office Foundation I
97	BHMCT	BHMCT-106-18	Front office Foundation I Practical
98	BHMCT	BHMCT-107-18	Accommodation Operations
99	BHMCT	BHMCT-108-18	Accommodation Operations Practical
100	BHMCT	BHMCT-201-18	Food Production Foundation II
101	BHMCT	BHMCT-202-18	Food Production Foundation II Practical
102	BHMCT	BHMCT-203-18	Food and Beverage Service II
103	BHMCT	BHMCT-204-18	Food and Beverage Service II Practical
104	BHMCT	BHMCT - 205-18	Front Office Foundation II
105	BHMCT	BHMCT - 206-18	Front Office Foundation II Practical
106	BHMCT	BHMCT-207-18	Accommodation Operations II
107	BHMCT	BHMCT-208-18	Accommodation Operations II Practical
108	BHMCT	BHMCT301-18	Industrial Training
109	BHMCT	BHMCT 302-18	Industrial Training
110	BHMCT	BHMCT 303-18	Industrial Training
111	BHMCT	BHMCT 304-18	Industrial Training
112	BHMCT	BHMCT 305-18	Industrial Training
113	BHMCT	BHMCT401-18	Introduction to Indian Cookery
114	BHMCT	BHMCT402-18	Introduction to Indian Cookery Practical
115	BHMCT	BHMCT-403-18	Food and Beverage Service Operations II
116	BHMCT	BHMCT404-18	Food and Beverage Service Operations II Practical
117	BHMCT	BHMCT-405-18	Front office Operations II
118	BHMCT	BHMCT-406-18	Front office Operations II Practical
119	BHMCT	BHMCT-407-18	Accommodation Operations III
120	BHMCT	BHMCT408-18	Accommodation Operations III Practical

**DEPARTMENT OF MANAGEMENT AND HOSPITALITY (DOMH)**  
**I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY MAIN CAMPUS**

121	BHMCT	BHMCT-409-18	Accounting Skills for Hospitality Managers
122	BHMCT	BHMCT 501-18	Larder & Kitchen practices
123	BHMCT	BHMCT 502-18	Larder & Kitchen practices Practical
124	BHMCT	BHMCT 503-18	Bar operations & Management
125	BHMCT	BHMCT 504-18	Bar operations & Management Practical
126	BHMCT	BHMCT 505-18	Front Office Operations & Management
127	BHMCT	BHMCT 506-18	Front Office Operations & Management
128	BHMCT	BHMCT 507-18	Accommodation Operations and Management
129	BHMCT	BHMCT 508-18	Accommodation Operations and Management
130	BHMCT	BHMCT 509-18	Food and Beverage Control and Management
131	BHMCT	BHMCT 601-18	International cuisine- An Exploration
132	BHMCT	BHMCT 602-18	International cuisine- An Exploration Practical
133	BHMCT	BHMCT 603-18	Banquet and restaurant operations & Management
134	BHMCT	BHMCT 604-18	Banquet and restaurant operations & Management Practical
135	BHMCT	BHMCT 605-18	Front Office Management
136	BHMCT	BHMCT 606-18	Front Office Management Practical
137	BHMCT	BHMCT 607-18	Accommodation Management
138	BHMCT	BHMCT 608-18	Accommodation Management Practical
139	BHMCT	BHMCT 609-18	Principles of Management
140	BHMCT	BHMCT 701A-18	Food Production Management
141	BHMCT	BHMCT 702A-18	Food Production Management Practical
142	BHMCT	BHMCT 703A-18	Tandoor-Principle, Concept and Application
143	BHMCT	BHMCT 704A-18	Tandoor-Principle, Concept and Application Practicals
144	BHMCT	BHMCT 701B-18	Food & Beverage Service Management
145	BHMCT	BHMCT 702B-18	Food & Beverage Service Management Practicals
146	BHMCT	BHMCT 703B-18	Event Management
147	BHMCT	BHMCT 704B-18	Event Management Practicals
148	BHMCT	BHMCT 701C-18	Front office Management
149	BHMCT	BHMCT 702C-18	Front office Management Practicals
150	BHMCT	BHMCT 703C-18	Tour & Travel Management
151	BHMCT	BHMCT 704C-18	Tour & Travel Management Practicals
152	BHMCT	BHMCT 701D-18	Accommodation Management
153	BHMCT	BHMCT 702D-18	Accommodation Management Practical
154	BHMCT	BHMCT 703D-18	Interior Decoration
155	BHMCT	BHMCT 704D-18	Interior Decoration Practical
156	BHMCT	BHMCT 709-18	Facility Planning
157	BHMCT	BHMCT 705-18	Principles of Marketing
158	BHMCT	BHMCT 706-18	Financial Management
159	BHMCT	BHMCT 707-18	Entrepreneurship
160	BHMCT	BHMCT 708-18	Project Report
161	BHMCT	BHMCT 801-18	Specialized hospitality Training

**DEPARTMENT OF MANAGEMENT AND HOSPITALITY (DOMH)**  
**I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY MAIN CAMPUS**

162	BHMCT	BHMCT 802-18	Project Report on emerging trends in Hospitality Industry
163	BHMCT	BMPD 802-18	Mentoring and Professional Development



**(Harmeem Soch)**  
**Head of Department**



3.1 Number of courses in all Programmes during the year

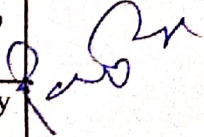
Sr.No	Name of the Course	Course Code	Year of introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
1	Introduction to Communication	MAJMC-101-18	2021-22	Assess the impact of communication on individual groups and society
2	History of Media in India and new trends	MAJMC-102-18	2021-22	knowledge of leaders of public opinion and the role of language press
3	Print Journalism	MAJMC-103-18	2021-22	Know the 5 Ws and 1H of effective information gathering and writing
4	Advertising and Public Relations	MAJMC-104-18	2021-22	Understand brand image and position
5	Media and Society	MAJMC-105-18	2021-22	Know about colonial rule and the models of development
6	Practical	MAJMC-106-18	2021-22	Learn newspaper writing skills
7	Radio & TV Journalism (2)	MAJMC-301-18	2021-22	To familiarize the students with different radio programming formats.
8	Media Research Methods	MAJMC-302-18	2021-22	Become aware of the ethical issues in Communication research.
9	New Media (2)	MAJMC-303-18	2021-22	Learn online editing and publishing

*Ranjit*  
 Head  
 Department of Journalism & Mass Communication  
 IKG Punjab Technical University  
 Kapurthala-144603 (Pb.)

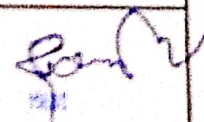
10	International and International and Intercultural Communicatio	MAJMC-304-18	2021-22	Have knowledge about various media giants of International media
11	Environment Journalism	MAJMC-305-18	2021-22	Learn how to write environmental at features.
12	Introduction to Marketing	MAJMC-306-18	2021-22	Know how to plan and implement a media campaign.
13	PRACTICAL WORK	MAJMC-307-18	2021-22	Students have to work in the production of at least one print journal and one news-based production each of the two optional subjects chosen by the student (radio/TV/Internet).
14	Introduction to Journalism	UC/BAJMC-101-19	2021-22	Enhanc the basic knowledge of Journalism
15	Introduction to Media and Communication	UC/BAJMC-102-19	2021-22	Create awareness about Indian political system
16	Indian Political & Social System	UC/BAJMC103-19	2021-22	Enhanc the basic knowledge of Journalism
17	Communication Lab	UC/BAJMC-104-19	2021-22	Enhanc the basic knowledge of Journalism
18	Introduction to Broadcast Media	BAJMC-301/19	2021-22	It will equip the students with the basics of camera and its Various parts of television.
19	History of Media	BAJMC-302/19	2021-22	The course will help the students in understanding the traditional media of mass communication.
20	Advertising	BAJMC-303/19	2021-22	How to Design an ad copy for a product

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21	Public Relations	BAJMC-304/19	2021-22	Employ PR for event management
22	Interpersonal Communication Skills	BAJMC-305/19	2021-22	Self-Awareness
23	Computer Application in Mass Media	BAJMC-501	2021-22	The students will get the basic knowledge of various components of computer
24	Global Media	BAJMC-502	2021-22	The students will get an insight how global media work
25	Introduction to Community Media	BAJMC-503	2021-22	It will provide of knowledge of altranative media
26	Newspaper Organization and Functioning	BAJMC-504	2021-22	The student will be in the position to understand the relation of all the departments
27	Minor Project	BAJMC-505	2021-22	The course will provide students with the concept of beat and Basics of different types of reporting.
28	Reporting & Editing for Print	BAJMC-201-18	2021-22	The course will make the students aware of the concept of mass culture and its various forms.
29	Media & cultural Studies	BAJMC-202-18	2021-22	The course will provide an overview of media industry at international level.
30	Global Media and Politics	BAJMC-203-18	2021-22	The course will provide a better understanding of the ethical issues related to Media
31	Media Ethics and Laws	BAJMC-204-18	2021-22	It will become easy to work as PRO with any organization.

  
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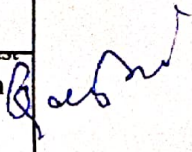
32	Media Lab	BAJMC-205-18	2021-22	Learn online editing and publishing
33	Advanced New Media	BAJMC401-18	2021-22	The course will provide a better understanding of new media technologies
34	Development Communication	BAJMC402-18	2021-22	The course will make the students aware of the concept of various model of mass communication
35	Communication Research and Methods	BAJMC403-18	2021-22	This course will provide the students with the concept of research and various types of research.
36	Advanced Broadcast Media	BAJMC404-18	2021-22	The students will get an insight into the various laws and policy of private broadcasting.
37	New Media Writing and Publishing	BAJMC405-18	2021-22	Use the internet to their advantage and avoid pitfall of information gathered from the unreliable source.
38	Media Management Laws & Ethics	MAJMC-401-18	2021-22	Visits to media houses, interaction with managers. Study of cases heard by PCI, and/or heard in the court of law et
39	Development Communication	MAJMC-402-18	2021-22	Specialised report of Students will learn the importance of Development writing to development
40	Film Appreciation	MAJMC-403-18	2021-22	Use understanding of film technique and film as an art medium as tools to analyze film.
41	Sports Journalism	MAJMC-405-18	2021-22	It will provide the knowledge about the History and Tradition of Sports.
42	Personality Development and soft skills	MAJMC-406-18	2021-22	Personality Development



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43	Research dissertation	MAJMC-407-18	2021-22	Develop research acumen
44	Marketing Communication	BAJMC-601	2021-22	The students will learn the role of advertising and its effects
45	Basic principles of Communication	BAJMC-602	2021-22	They will learn the process and barriers to communication
46	Visual Communication Basics	BAJMC-603	2021-22	It will provide the knowledge psychological processing
47	Photo Journalism	BAJMC-604	2021-22	The skill of photography will be enhanced
48	New Media (1)	MAJMC-202-18	2021-22	Use the internet to their advantage and avoid pitfalls of information gathered from unreliable internet sources.
49	Radio & TV Journalism (1)	MAJMC-203-18	2021-22	Students will have knowledge of different formats of radio and TV
50	Communication : Theory and Practice	MAJMC-204-18	2021-22	Assess the media effect and convergence
51	Environment Environment Journalism	MAJMC-205-18	2021-22	Understand the dimensions of communication
52	Business Journalism	MAJMC-206-18	2021-22	The student will have an understanding of basic areas in business Journalism and how to write about them with intelligence and understanding.
53	PRACTICAL WORK	MAJMC-207-18	2021-22	Students have to work in the production of at least one print journal and one news-based production each of the two optional subjects chosen by the student (radio/TV/Internet).

  
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54	Research Methodology	PREPHDJMC-101	2021-22	Demonstrate skills in course design, classroom teaching, and evaluation of student performance through exams papers.
55	Communication Theori	PREPHDJMC-102	2021-22	Learn the relevance of communication theories and its application in field.
56	Relevant Knowledge in Area of Research/Seminar	PREPHDJMC-103	2021-22	Presentation skills will be improved.
57	Interdisciplinary: Computer Applications	PREPHDJMC-104	2021-22	To make students understand the basics of software useful for research

Year	2021-22
Number	57



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3.1 List of courses offered across all programs during the year of 2021-22				
Program code	Program name	Course code	Course name	Year of offering the
PHDE	PhD English	PhD-ENG	Paper-I Research Methodology	2021-22
PHDE	PhD English	PhD-ENG	Paper-II (Option-I) Critical Approaches to Literature	2021-22
PHDE	PhD English	PhD-ENG	Paper-II (Option-II) Stylistics, ELT & Narratology	2021-22
PHDE	PhD English	PhD-ENG	Paper-III Applied Research Methodology	2021-22
PHDE	PhD English	PhD-ENG	Paper-IV (Option-I) Communication Studies	2021-22
PHDE	PhD English	PhD-ENG	Paper-IV (Option-II) Literature & Mass Media	2021-22
PHDE	PhD English	PhD-ENG	Paper-V Research and Publication Ethics (RPE)	2021-22
PHDP	PhD Punjabi	PhD-PBI	Paper-I Research Methodology	2021-22
PHDP	PhD Punjabi	PhD-PBI	Paper-II Literarty Theory and Punjabi Literature	2021-22
PHDP	PhD Punjabi	PhD-PBI	Paper-III Applied Research Methodology	2021-22
PHDP	PhD Punjabi	PhD-PBI	Paper-IV Comperative Literature and Translaion	2021-22
PHDE	PhD English	PhD-ENG	Paper-I Research Methodology	2021-22
PHDE	PhD English	PhD-ENG	Paper-II (Option-I) Critical Approaches to Literature	2021-22
PHDE	PhD English	PhD-ENG	Paper-II (Option-II) Stylistics, ELT & Narratology	2021-22
PHDE	PhD English	PhD-ENG	Paper-III Applied Research Methodology	2021-22
PHDE	PhD English	PhD-ENG	Paper-IV (Option-I) Communication Studies	2021-22
PHDE	PhD English	PhD-ENG	Paper-IV (Option-II) Literature & Mass Media	2021-22
PHDP	PhD Punjabi	PhD-PBI	Paper-I Research Methodology	2021-22
PHDP	PhD Punjabi	PhD-PBI	Paper-II Literarty Theory and Punjabi Literature	2021-22
PHDP	PhD Punjabi	PhD-PBI	Paper-III Applied Research Methodology	2021-22
PHDP	PhD Punjabi	PhD-PBI	Paper-IV Comperative Literature and Translaion	2021-22
PHDP	PhD Punjabi	PhD-PBI	Paper-V Research and Publication Ethics (RPE)	2021-22

**Number of courses in all programmes during the year of 2021-22**

Year	2021-2022
Number	12

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 and Cultural Studies  
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*[Signature]*

**3.1 List of courses offered across all programs during 2021-22**

Program code	Program name	Course code	Course name	Year of offering the course
15	B.TECH (CSE)	BTPHXX-18	Physics	2021-2022
15	B.TECH (CSE)	B.TECH (CSE)	Physics lab	2021-2022
15	B.TECH (CSE)	B.TECH (CSE)	Math I	2021-2022
15	B.TECH (CSE)	B.TECH (CSE)	Basic Electrical Engineering	2021-2022
15	B.TECH (CSE)	B.TECH (CSE)	Basic Electrical Engineering (Lab)	2021-2022
15	B.TECH (CSE)	B.TECH (CSE)	Engineering Graphics & Design	2021-2022
15	B.TECH (CSE)	B.TECH (CSE)	Mentoring and Professional Development	2021-2022
15	B.TECH (CSE)	B.TECH (CSE)	Chemistry-I	2021-2022
15	B.TECH (CSE)	B.TECH (CSE)	Chemistry-I LAB	2021-2022
15	B.TECH (CSE)	B.TECH (CSE)	Maths-II	2021-2022
15	B.TECH (CSE)	B.TECH (CSE)	Programming for Problem Solving	2021-2022
15	B.TECH (CSE)	B.TECH (CSE)	Programming for Problem Solving (Lab)	2021-2022
15	B.TECH (CSE)	B.TECH (CSE)	Workshop / Manufacturing Practices	2021-2022
15	B.TECH (CSE)	B.TECH (CSE)	English	2021-2022
15	B.TECH (CSE)	B.TECH (CSE)	English (Lab)	2021-2022
15	B.TECH (CSE)	B.TECH (CSE)	Mentoring and Professional Development	2021-2022
15	B.TECH (CSE)	B.TECH (CSE)	Digital Electronics	2021-2022
15	B.TECH (CSE)	B.TECH (CSE)	Data structure & Algorithms	2021-2022
15	B.TECH (CSE)	B.TECH (CSE)	Object Oriented Programming	2021-2022
15	B.TECH (CSE)	B.TECH (CSE)	Mathematics-III	2021-2022
15	B.TECH (CSE)	B.TECH (CSE)	Foundation Course in Humanities (Development of Societies/Philosophy)	2021-2022
15	B.TECH (CSE)	B.TECH (CSE)	Digital Electronics Lab	2021-2022
15	B.TECH (CSE)	B.TECH (CSE)	Data structure & Algorithms Lab	2021-2022
15	B.TECH	B.TECH	Object Oriented	2021-2022

	(CSE)	(CSE)	Programming lab	
15	B.TECH (CSE)	B.TECH (CSE)	IT Workshop*	2021-2022
15	B.TECH (CSE)	B.TECH (CSE)	Summer Institutional Training	2021-2022
15	B.TECH (CSE)	B.TECH (CSE)	Discrete Mathematic	2021-2022
15	B.TECH (CSE)	B.TECH (CSE)	Computer Organization & Architecture	2021-2022
15	B.TECH (CSE)	B.TECH (CSE)	Operating Systems	2021-2022
15	B.TECH (CSE)	B.TECH (CSE)	Design & Analysis of Algorithms	2021-2022
15	B.TECH (CSE)	B.TECH (CSE)	Universal Human Values 2	2021-2022
15	B.TECH (CSE)	B.TECH (CSE)	Environmental Sciences	2021-2022
15	B.TECH (CSE)	B.TECH (CSE)	Computer Organization & Architecture Lab	2021-2022
15	B.TECH (CSE)	B.TECH (CSE)	Operating Systems Lab	2021-2022
15	B.TECH (CSE)	B.TECH (CSE)	Design & Analysis of Algorithms Lab	2021-2022
15	B.TECH (CSE)	B.TECH (CSE)	Enterprise Resource Planning	2021-2022
15	B.TECH (CSE)	B.TECH (CSE)	Database Management Systems	2021-2022
15	B.TECH (CSE)	B.TECH (CSE)	Formal Language & Automata Theory	2021-2022
15	B.TECH (CSE)	B.TECH (CSE)	Software Engineering	2021-2022
15	B.TECH (CSE)	B.TECH (CSE)	Computer Networks	2021-2022
15	B.TECH (CSE)	B.TECH (CSE)	Programming in Python	2021-2022
15	B.TECH (CSE)	B.TECH (CSE)	Constitution of India/ Essence of Indian Traditional Knowledge	2021-2022
15	B.TECH (CSE)	B.TECH (CSE)	Database Management Systems Lab	2021-2022
15	B.TECH (CSE)	B.TECH (CSE)	Software Engineering Lab	2021-2022
15	B.TECH (CSE)	B.TECH (CSE)	Computer Networks Lab	2021-2022
131	B.TECH (CSE)	B.TECH (CSE)	Programming in Python Lab	2021-2022
131	B.TECH (CSE)	B.TECH (CSE)	Industrial *Training	2021-2022
131	B.TECH (CSE)	B.TECH (CSE)	Compiler Design	2021-2022
131	B.TECH (CSE)	B.TECH (CSE)	Artificial Intelligence	2021-2022
131	B.TECH (CSE)	B.TECH (CSE)	Cloud computing	2021-2022
131	B.TECH (CSE)	B.TECH (CSE)	Machine Learning	2021-2022

131	B.TECH (CSE)	B.TECH (CSE)	Open Elective-I	2021-2022
131	B.TECH (CSE)	B.TECH (CSE)	Project-1	2021-2022
131	B.TECH (CSE)	B.TECH (CSE)	Compiler Design Lab	2021-2022
131	B.TECH (CSE)	B.TECH (CSE)	Artificial Intelligence Lab	2021-2022
131	B.TECH (CSE)	B.TECH (CSE)	Cloud computing lab	2021-2022
131	B.TECH (CSE)	B.TECH (CSE)	Mobile Application Development lab	2021-2022
131	B.TECH (CSE)	B.TECH (CSE)	Network Security and Cryptography	2021-2022
131	B.TECH (CSE)	B.TECH (CSE)	Data Mining and Data Warehousing	2021-2022
131	B.TECH (CSE)	B.TECH (CSE)	Open Elective-II	2021-2022
131	B.TECH (CSE)	B.TECH (CSE)	Deep Learning	2021-2022
131	B.TECH (CSE)	B.TECH (CSE)	Deep Learning Lab	2021-2022
131	B.TECH (CSE)	B.TECH (CSE)	Adhoc and Wireless sensor networks	2021-2022
131	B.TECH (CSE)	B.TECH (CSE)	Adhoc and Wireless sensor networks lab	2021-2022
131	B.TECH (CSE)	B.TECH (CSE)	Project-II	2021-2022
131	B.TECH (CSE)	B.TECH (CSE)	Semester Training	2021-2022
131	B.TECH (CSE)	B.TECH (CSE)	Software Engineering Lab	2021-2022
131	B.TECH (CSE)	B.TECH (CSE)	Simulation and Modeling Lab	2021-2022
131	B.TECH (CSE)	B.TECH (CSE)	Artificial Intelligence	2021-2022
131	B.TECH (CSE)	B.TECH (CSE)	Theory of Computation	2021-2022
131	B.TECH (CSE)	B.TECH (CSE)	Project	2021-2022
131	B.TECH (CSE)	B.TECH (CSE)	Software Testing and Quality Assurance	2021-2022
131	B.TECH (CSE)	B.TECH (CSE)	Cloud Computing	2021-2022
131	B.TECH (CSE)	B.TECH (CSE)	Artificial Intelligence Lab	2021-2022
131	B.TECH (CSE)	B.TECH (CSE)	Software Training	2021-2022
131	B.TECH (CSE)	B.TECH (CSE)	Industry Oriented Project Training	2021-2022
131	B.TECH (CE LEET)	BTCE- 301-18	Surveying & Geomatics	2021-2022
131	B.TECH (CE LEET)	BTCE- 302-18	Solid Mechanics <sup>#</sup>	2021-2022

131	B.TECH (CE LEET)	BTCE- 303-18	Fluid Mechanics <sup>#</sup>	2021-2022
131	B.TECH (CE LEET)	BTAM- 301-18	Mathematics III <sup>#</sup> (Transform & Discrete	2021-2022
131	B.TECH (CE LEET)	BTEC- 305-18	Basic Electronics & applications in Civil Engineering	2021-2022
131	B.TECH (CE LEET)	HSMC- 132-18	Civil Engineering- Introduction, Societal & Global Impact	2021-2022
131	B.TECH (CE LEET)	BTCE- 306-18	Surveying & Geomatics Lab	2021-2022
131	B.TECH (CE LEET)	BTCE- 307-18	Fluid Mechanics Lab	2021-2022
131	B.TECH (CE LEET)	BTCE- 308-18	Solid Mechanics Lab	2021-2022
30	B.TECH (CE LEET)	BMPD- 301-18	Mentoring and Professional Development	2021-2022
30	B.TECH (CE LEET)	BTCE- 332-18	Training ó I*	2021-2022
30	B.TECH (CE LEET)	BTCE- 401-18	Concrete Technology	2021-2022
30	B.TECH (CE LEET)	BTCE- 402-18	Material, Testing & Evaluation	2021-2022
30	B.TECH (CE LEET)	BTCE- 403-18	Hydrology & Water Resources	2021-2022
30	B.TECH (CE LEET)	BTCE- 404-18	Transportation Engineering	2021-2022
30	B.TECH (CE LEET)	BTCE- 405-18	Disaster Management	2021-2022
30	B.TECH (CE LEET)	EVS- 101-18	Environment Science (Non- credit)	2021-2022
30	B.TECH (CE LEET)	BTCE- 406-18	Concrete Testing Lab	2021-2022
30	B.TECH (CE LEET)	BTCE- 407-18	Transportation Lab	2021-2022
30	B.TECH (CE LEET)	BTCE-432-18	Training ó II*	2021-2022
30	B.TECH (CE LEET)	BMPD- 401-18	Mentoring and Professional Development	2021-2022
30	B.TECH (CE LEET)	BTCE- 501-18	Engineering Geology	2021-2022
30	B.TECH (CE LEET)	BTCE- 502-18	Elements of Earthquake Engineering	2021-2022
30	B.TECH (CE LEET)	BTCE- 503-18	Construction Engineering & Management	2021-2022

30	B.TECH (CE LEET)	BTCE- 504-18	Environmental Engineering	2021-2022
30	B.TECH (CE LEET)	BTCE- 505-18	Structural Engineering	2021-2022
30	B.TECH (CE LEET)	BTCE- 506-18	Geotechnical Engineering <sup>#</sup>	2021-2022
30	B.TECH (CE LEET)	BTCE- 507-18	Geotechnical Lab	2021-2022
30	B.TECH (CE LEET)	BTCE- 508-18	Environmental Engineering Lab	2021-2022
30	B.TECH (CE LEET)	BTCE-509-18	Structural Lab	2021-2022
30	B.TECH (CE LEET)	BMPD-501-18	Mentoring and Professional	2021-2022
30	B.TECH (CE LEET)	BTCE- 532-18	Training ó II*	2021-2022
30	B.TECH (CE LEET)	BTCE- 601-18	Engineering Economics, Estimation Coasting	2021-2022
30	B.TECH (CE LEET)	PECE-602 X-18	Elective ó I	2021-2022
30	B.TECH (CE LEET)	PECE- 603 Y-18	Elective ó II	2021-2022
30	B.TECH (CE LEET)	PECE- 604 Z-18	Elective ó III	2021-2022
30	B.TECH (CE LEET)	OEZZ- XXX1	Open Elective-I	2021-2022
30	B.TECH (CE LEET)	OEZZ- XXX2	Open Elective ó II	2021-2022
30	B.TECH (CE LEET)	BTMC- 101-18	Constitution of India	2021-2022
30	B.TECH (CE LEET)	BMPD- 601-18	Mentoring and Professional Development	2021-2022
30	B.TECH (CE LEET)	PECE- 701X-18	Elective ó IV	2021-2022
30	B.TECH (CE LEET)	PECE- 702Y-18	Elective ó V	2021-2022
30	B.TECH (CE LEET)	OECE-701- 18	Open Elective ó III(Metro system and Engg)	2021-2022
30	B.TECH (CE LEET)	PECE- 703Z-18	Elective ó VI	2021-2022
30	B.TECH (CE LEET)	BTCE-704-18	Project	2021-2022
30	B.TECH (CE LEET)	HSMC-255	Professional Practice, Law & Ethics	2021-2022
30	B.TECH (CE LEET)	BTMC- 701-18	Management- I (Organization Behavior)	2021-2022



30	B.TECH (CE LEET)	BTCE- 801-18	Software Training And Project / Industrial training and Project	2021-2022
30	B.TECH (ME)	BMPD-101-18	Mentoring and Professional Development	2021-2022
30	B.TECH (ME)	B.TECH (ME)	Mathematics-I	2021-2022
30	B.TECH (ME)	B.TECH (ME)	Basic Electrical Engineering	2021-2022
30	B.TECH (ME)	B.TECH (ME)	Basic Electrical Engineering(Lab)	2021-2022
30	B.TECH (ME)	B.TECH (ME)	Engineering Graphics & Design	2021-2022
30	B.TECH (ME)	B.TECH (ME)	Electromagnetism	2021-2022
30	B.TECH (ME)	B.TECH (ME)	Electromagnetism Lab	2021-2022
30	B.TECH (ME)	B.TECH (ME)	Mentoring and Professional Development	2021-2022
30	B.TECH (ME)	B.TECH (ME)	Mathematics-II	2021-2022
30	B.TECH (ME)	B.TECH (ME)	Chemistry-I	2021-2022
30	B.TECH (ME)	B.TECH (ME)	Chemistry-I Lab	2021-2022
15	B.TECH (ME)	B.TECH (ME)	English	2021-2022
15	B.TECH (ME)	B.TECH (ME)	English Lab	2021-2022
15	B.TECH (ME)	B.TECH (ME)	Workshop/Manufacturing Practices	2021-2022
15	B.TECH (ME)	B.TECH (ME)	Programming for Problem solving	2021-2022
15	B.TECH (ME)	B.TECH (ME)	Programming for Problem solving Lab	2021-2022
15	B.TECH (ME)	B.TECH (ME)	Fluid Mechanics	2021-2022
15	B.TECH (ME)	B.TECH (ME)	Theory of Machines - I	2021-2022
15	B.TECH (ME)	B.TECH (ME)	Machine Drawing	2021-2022
15	B.TECH (ME)	B.TECH (ME)	Strength of Materials-I	2021-2022
15	B.TECH (ME)	B.TECH (ME)	Basic Thermodynamics	2021-2022
15	B.TECH (ME)	B.TECH (ME)	Strength of Material Lab	2021-2022
15	B.TECH (ME)	B.TECH (ME)	Theory of Machines Lab	2021-2022
15	B.TECH (ME)	B.TECH (ME)	Fluid Mechanics Lab	2021-2022
15	B.TECH (ME)	B.TECH (ME)	Basic Electronics Engineering	2021-2022
15	B.TECH (ME)	B.TECH (ME)	Mentoring and Professional	2021-2022

			Development	
15	B.TECH (ME)	B.TECH (ME)	Applied Thermodynamics	2021-2022
15	B.TECH (ME)	B.TECH (ME)	Fluid Machines	2021-2022
15	B.TECH (ME)	B.TECH (ME)	Strength of Materials-II	2021-2022
15	B.TECH (ME)	B.TECH (ME)	Materials Engineering	2021-2022
15	B.TECH (ME)	B.TECH (ME)	Theory of Machines-II	2021-2022
15	B.TECH (ME)	B.TECH (ME)	Applied Thermodynamics Lab	2021-2022
15	B.TECH (ME)	B.TECH (ME)	Fluid Machines Lab	2021-2022
15	B.TECH (ME)	B.TECH (ME)	Material Engineering Lab	2021-2022
15	B.TECH (ME)	B.TECH (ME)	Environmental Science	2021-2022
15	B.TECH (ME)	B.TECH (ME)	Mentoring and Professional Development	2021-2022
15	B.TECH (ME)	B.TECH (ME)	Heat Transfer	2021-2022
15	B.TECH (ME)	B.TECH (ME)	Design of Machine Elements	2021-2022
15	B.TECH (ME)	B.TECH (ME)	Manufacturing Processes	2021-2022
15	B.TECH (ME)	B.TECH (ME)	Management and Engineering Economics	2021-2022
15	B.TECH (ME)	B.TECH (ME)	Heat Transfer Lab	2021-2022
15	B.TECH (ME)	B.TECH (ME)	Manufacturing Processes Lab	2021-2022
15	B.TECH (ME)	B.TECH (ME)	Numerical Methods Lab	2021-2022
15	B.TECH (ME)	B.TECH (ME)	Essence of Indian knowledge Tradition	2021-2022
15	B.TECH (ME)	B.TECH (ME)	4-weeks Industrial Training	2021-2022
15	B.TECH (ME)	B.TECH (ME)	Refrigeration and Air conditioning	2021-2022
15	B.TECH (ME)	B.TECH (ME)	Mechanical Measurements & Metrology	2021-2022
15	B.TECH (ME)	B.TECH (ME)	Automobile Engineering	2021-2022
15	B.TECH (ME)	B.TECH (ME)	Introduction to Industrial management	2021-2022
15	B.TECH (ME)	B.TECH (ME)	Refrigeration and Air conditioning (Lab)	2021-2022
15	B.TECH (ME)	B.TECH (ME)	Mechanical Measurements & Metrology (Lab)	2021-2022
15	B.TECH (ME)	B.TECH (ME)	Automobile Engineering (Lab)	2021-2022

15	B.TECH (ME)	B.TECH (ME)	Minor Project	2021-2022
15	B.TECH (ME)	B.TECH (ME)	Non-Conventional Energy Resources	2021-2022
15	B.TECH (ME)	B.TECH (ME)	Mechanical Vibrations	2021-2022
15	B.TECH (ME)	B.TECH (ME)	Automation in Manufacturing	2021-2022
131	B.TECH (ME)	B.TECH (ME)	Fundamentals of Management for Engineers	2021-2022
131	B.TECH (ME)	B.TECH (ME)	Composite Materials	2021-2022
131	B.TECH (ME)	B.TECH (ME)	Product Design and Development	2021-2022
131	B.TECH (ME)	B.TECH (ME)	Road Safety	2021-2022
131	B.TECH (ME)	BTME704-18	Project-II	2021-2022
131	B.TECH (ME)	BTME-801	Software Training	2021-2022
131	B.TECH (ME)	BTME-801	Industrial Training	2021-2022
131	BCA	UGCA1901	Mathematics	2021-2022
131	BCA	UGCA1902	Fundamentals of Computer and IT	2021-2022
131	BCA	UGCA1903	Problem Solving using C	2021-2022
131	BCA	UGCA1904	Workshop on Desktop Publishing	2021-2022
131	BCA	UGCA1905	Problem Solving using C Laboratory	2021-2022
131	BCA	UGCA1906	Fundamentals of Computer and IT	2021-2022
131	BCA	BTHU103/18	English	2021-2022
131	BCA	BTHU104/18	English Practical/Laboratory	2021-2022
131	BCA	HVPE101-18	Human Values, De-addiction and Traffic Rules	2021-2022
131	BCA	HVPE102-18	Human Values, De-addiction and Traffic Rules (Lab/ Seminar)	2021-2022
131	BCA	BMPD102-18	Mentoring and Professional Development	2021-2022
131	BCA	UGCA1907	Fundamentals of Statistics	2021-2022
131	BCA	UGCA1908	Computer System Architecture	2021-2022
131	BCA	UGCA1909	Object Oriented Programming using C++	2021-2022
131	BCA	UGCA1910	Object Oriented Programming using C++ Laboratory	2021-2022
131	BCA	UGCA1911	Fundamentals of Statistics Laboratory	2021-2022
131	BCA	UGCA1912	Computer System Architecture Laboratory	2021-2022
131	BCA	EVS102-18	Environmental Studies	2021-2022
131	BCA	BMPD202-18	Mentoring and Professional	2021-2022

			Development	
131	BCA	UGCA1913	Computer Networks	2021-2022
131	BCA	UGCA1914	Programming in Python	2021-2022
131	BCA	UGCA1915	Data Structures	2021-2022
131	BCA	UGCA1916	Computer Networks Laboratory	2021-2022
131	BCA	UGCA1917	Programming in Python Laboratory	2021-2022
131	BCA	UGCA1918	Data Structures Laboratory	2021-2022
131	BCA	UGCA1919	PC Assembly & Troubleshooting	2021-2022
131	BCA	UGCA1920	PC Assembly & Troubleshooting Laboratory	2021-2022
131	BCA	BMPD302-18	Mentoring and Professional Development	2021-2022
131	BCA	UGCA1921	Software Engineering	2021-2022
131	BCA	UGCA1922	Database Management Systems	2021-2022
131	BCA	UGCA1923	Operating Systems	2021-2022
131	BCA	UGCA1924	Software Engineering Laboratory	2021-2022
131	BCA	UGCA1925	Database Management Systems Laboratory	2021-2022
30	BCA	UGCA1926	Operating Systems Laboratory	2021-2022
30	BCA	UGCA1927	Web Designing	2021-2022
30	BCA	UGCA1928	Web Designing Laboratory	2021-2022
30	BCA	BMPD402-18	Mentoring and Professional Development	2021-2022
30	BCA	UGCA1929	Programming in PHP	2021-2022
30	BCA	UGCA1930	Programming in PHP Laboratory	2021-2022
30	BCA	UGCA1932	Programming in Java	2021-2022
30	BCA	UGCA1931	Data Warehouse and Mining	2021-2022
30	BCA	UGCA1934	Computer Graphics	2021-2022
30	BCA	UGCA1938	Programming in Java Laboratory	2021-2022
30	BCA	UGCA1937	Data Warehouse and Mining Laboratory	2021-2022
30	BCA	UGCA1940	Computer Graphics Laboratory	2021-2022
30	BCA	Project	Minor Project	2021-2022
30	BCA		Institutional Summer Training*	2021-2022
30	BCA	BMPD502-18	Mentoring and Professional Development	2021-2022
30	BCA	UGCA1943	Android Programming	2021-2022
30	BCA	UGCA1944	Android Programming Laboratory	2021-2022
30	BCA	Open Elective-	Open Elective-II	2021-2022

		II		
30	BCA	Elective-III	Elective-III	2021-2022
30	BCA	Elective-IV	Elective-IV	2021-2022
30	BCA	Elective-III Laboratory	Elective-III Laboratory	2021-2022
30	BCA	Elective-IV Laboratory	Elective-IV Laboratory	2021-2022
30	BCA	Project	Major Project	2021-2022
30	BCA	BMPD602- 18	Mentoring and Professional Development	2021-2022

Number of courses offered across all program during the 2021-22					
Year	2021-22				
Number	244				

3.1 List of courses offered across all programs during last five years

Program code	Program name	Course code	Course name	Year of offering the course
		BTPH104-18	Semiconductor Physics	2021-2022
		BTPH114-18	Semiconductor Physics Lab	2021-2022
		BTAM104-18	Mathematics Paper I	2021-2022
		BTAM 204-18	Mathematics Paper II	2021-2022
		BTEE101-18	Basic Electrical Engineering	2021-2022
		BTEE102-18	Basic Electrical Engineering (Lab)	2021-2022
		BTME101-18	Engineering Graphics & Design	2021-2022
		BMPD101-18	Mentoring and Professional Development	2021-2022
		BTCH101-18	Chemistry-I	2021-2022
		BTCH102-18	Chemistry-I (Lab)	2021-2022
		BTPS101-18	Programming for Problem Solving	2021-2022
		BTPS102-18	Programming for Problem Solving (Lab)	2021-2022
		BTMP101-18	Workshop / Manufacturing Practices	2021-2022
		BTHU101-18	English	2021-2022
		BTHU102-18	English (Lab)	2021-2022
		BMPD201-18	Mentoring and Professional Development	2021-2022
		BTES 301-18	Digital Electronics	2021-2022
		BTCS 301-18	Data structure & Algorithms	2021-2022
		BTCS 302-18	Object Oriented Programming	2021-2022
		BTAM 304-18	Mathematics-III	2021-2022
		HSMC 101/102-18	Foundation Course in Humanities (Development of Societies/Philosophy)	2021-2022
		BTES 302-18	Digital Electronics Lab	2021-2022
		BTCS 303-18	Data structure & Algorithms Lab	2021-2022
		BTCS 304-18	Object Oriented Programming lab.	2021-2022
		BTCS 305-18	IT Workshop	2021-2022
			Summer Institutional Training	2021-2022
		BTCS 401-18	Discrete Mathematics	2021-2022
		BTES 401-18	Computer Organization & Architecture	2021-2022
		BTCS 402-18	Operating Systems	2021-2022
		BTCS 403-18	Design & Analysis of Algorithms	2021-2022
		HSMC 122-18	Universal Human Values-II	2021-2022
		EVS101- 18	Environmental Sciences	2021-2022
		BTES 402-18	Computer Organization & Architecture Lab	2021-2022
15	B.Tech. CSE	BTCS 404-18	Operating Systems Lab	2021-2022
		BTCS 405-18	Design & Analysis of Algorithms Lab	2021-2022
		BTCS 501-18	Database Management Systems	2021-2022
		BTCS 502-18	Formal Language & Automata Theory	2021-2022
		BTCS 503-18	Software Engineering	2021-2022
		BTCS 504-18	Computer Networks	2021-2022
		BTCS XXX-18	Elective-I	2021-2022
		BTCS YYY-18	Elective-II	2021-2022
		BTCS 505-18	Database Management Systems Lab	2021-2022
		BTCS 506-18	Software Engineering Lab	2021-2022
		BTCS 507-18	Computer Networks Lab	2021-2022
		BTCS XXX-18	Elective-I Lab	2021-2022
		BTCS YYY-18	Elective-II lab	2021-2022
			Industrial Training	2021-2022
		BTCS 601- 18UC	Compiler Design	2021-2022
		BTCS 602- 18UC	Artificial Intelligence	2021-2022
		BTCS ZZZ- 18UC	Elective-III	2021-2022
		BTCS UUU- 18UC	Elective-IV	2021-2022
		BTOE***	Open Elective-I	2021-2022
		BTCS 603- 18UC	Project-1	2021-2022
		BTCS 604- 18UC	Compiler Design Lab	2021-2022
		BTCS 605- 18UC	Artificial Intelligence Lab	2021-2022
		BTCS ZZZ- 18UC	Elective-III Lab	2021-2022
		BTCS UUU- 18UC	Elective-IV Lab	2021-2022
		BTCS VVV18UC	Elective-V	2021-2022
		BTCS TTT18UC	Elective-VI	2021-2022
		BTOE ***	Open Elective-II	2021-2022
		BTOE ***	Open Elective- III	2021-2022
		BTCS 701- 18UC	Machine Learning	2021-2022
		BTCS 702- 18UC	Project-II	2021-2022
		BTCS 703- 18UC	Machine Learning Lab	2021-2022
		BTCS VVV18UC	Elective-V lab	2021-2022
		BTCS TTT18UC	Elective-VI lab	2021-2022
		BTCS 801-18UC	Semester Training	2021-2022
		UGCA1901	Mathematics	2021-2022
		UGCA1902	Fundamentals of Computer and IT	2021-2022
		UGCA1903	Problem Solving using C	2021-2022

  
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		UGCA1904	Workshop on Desktop Publishing	2021-2022
		UGCA1905	Problem Solving using C Laboratory	2021-2022
		UGCA1906	Fundamentals of Computer and IT Laboratory	2021-2022
		BTHU103/18	English	2021-2022
		BTHU104/18	English Practical/Laboratory	2021-2022
		HVPE101-18	Human Values, De- addiction and Traffic Rules	2021-2022
		HVPE102-18	Human Values, De- addiction and Traffic Rules (Lab/ Seminar)	2021-2022
		BMPD102-18	Mentoring and Professional Development	2021-2022
		UGCA1907	Fundamentals of Statistics	2021-2022
		UGCA1908	Computer System Architecture	2021-2022
		UGCA1909	Object Oriented Programming using C++	2021-2022
		UGCA1910	Object Oriented Programming using C++ Laboratory	2021-2022
		UGCA1911	Fundamentals of Statistics Laboratory	2021-2022
		UGCA1912	Computer System Architecture Laboratory	2021-2022
		EVS102-18	Environmental Studies	2021-2022
		BMPD202-18	Mentoring and Professional Development	2021-2022
		UGCA1913	Computer Networks	2021-2022
		UGCA1914	Programming in Python	2021-2022
		UGCA1915	Data Structures	2021-2022
		UGCA1916	Computer Networks Laboratory	2021-2022
		UGCA1917	Programming in Python Laboratory	2021-2022
		UGCA1918	Data Structures Laboratory	2021-2022
		UGCA1919	PC Assembly & Troubleshooting	2021-2022
		UGCA1920	PC Assembly & Troubleshooting Laboratory	2021-2022
		BMPD302-18	Mentoring and Professional Development	2021-2022
		UGCA1921	Software Engineering	2021-2022
		UGCA1922	Database Management Systems	2021-2022
		UGCA1923	Operating Systems	2021-2022
		UGCA1924	Software Engineering Laboratory	2021-2022
		UGCA1925	Database Management Systems Laboratory	2021-2022
		UGCA1926	Operating Systems Laboratory	2021-2022
		UGCA1927	Web Designing	2021-2022
		UGCA1928	Web Designing Laboratory	2021-2022
		BMPD402-18	Mentoring and Professional Development	2021-2022
		UGCA1929	Programming in PHP	2021-2022
		UGCA1930	Programming in PHP Laboratory	2021-2022
		UGCA1936	Open Elective-I	2021-2022
		UGCA1931	Elective-I	2021-2022
		UGCA1934	Elective-II	2021-2022
		UGCA1937	Elective-I Laboratory	2021-2022
		UGCA1940	Elective-II Laboratory	2021-2022
			Project	2021-2022
		BMPD502-18	Mentoring and Professional Development	2021-2022
		UGCA1943	Android Programming	2021-2022
		UGCA1944	Android Programming Laboratory	2021-2022
		UGCA1950	Open Elective-II	2021-2022
		UGCA1945	Elective-III	2021-2022
		UGCA1948	Elective-IV	2021-2022
		UGCA1951	Elective-III Laboratory	2021-2022
		UGCA1954	Elective-IV Laboratory	2021-2022
			Major Project	2021-2022
		BMPD602-18	Mentoring and Professional Development	2021-2022
		MTCS 101-18	Mathematical foundations of Computer Science	2021-2022
		MTCS 102-18	Advanced Data Structures	2021-2022
		B, MTCS 106-18, I	Program Elective I	2021-2022
		B, MTCS 109-18, I	Program Elective II	2021-2022
		MTRM 101-18	Research Methodology and IPR	2021-2022
		MTA-xx	Audit Course	2021-2022
		MTCS 103-18	Laboratory 1	2021-2022
		MTCS 104-18	Laboratory 2	2021-2022
		MTCS 201-18	Advance Algorithms	2021-2022
		MTCS 202-18	Soft Computing	2021-2022
		B, MTCS 207-18, I	Program Elective III	2021-2022
		B, MTCS 210-18, I	Program Elective IV	2021-2022
		MTA-xxx	Audit Course	2021-2022
		MTCS 203-18	Laboratory 3	2021-2022
		MTCS 204-18	Laboratory 4	2021-2022
		MTCS 205-18	Mini Project with Seminar	2021-2022
		BTPH103-18	Mechanics of Solid	2021-2022
		BTPH111-18	Mechanics of Solid Lab	2021-2022
		BTAM 203-18	Mathematics II	2021-2022
		BTAM101-18	Mathematics I	2021-2022

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M.Tech. CSE

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B.Tech. ME

BTEE101-18	Basic Electrical Engineering	2021-2022
BTEE102-18	Basic Electrical Engineering (Lab)	2021-2022
BTME101-18	Engineering Graphics & Design	2021-2022
BMPD101-18	Mentoring and Professional Development	2021-2022
BTCH101-18	Chemistry-I	2021-2022
BTCH102-18	Chemistry-I (Lab)	2021-2022
BTPS101-18	Programming for Problem Solving	2021-2022
BTPS102-18	Programming for Problem Solving (Lab)	2021-2022
BTMP101-18	Workshop / Manufacturing Practices	2021-2022
BTHU101-18	English	2021-2022
BTHU102-18	English (Lab)	2021-2022
BMPD201-18	Mentoring and Professional Development	2021-2022
BTME301-18	Fluid Mechanics	2021-2022
BTME302-18	Theory of Machines -I	2021-2022
BTME303-18	Machine Drawing	2021-2022
BTME304-18	Strength of Materials-I	2021-2022
BTEC305-18	Basic Electronics Engineering	2021-2022
BTME305-18	Basic Thermodynamics	2021-2022
BTME306-18	Strength of Material (Lab)	2021-2022
BTME307-18	Theory of Machine (Lab)	2021-2022
BTME308-18	Fluid Mechanics (Lab)	2021-2022
BMPD301-18	Mentoring and Professional Development	2021-2022
BTME401-18	Applied Thermodynamics	2021-2022
BTME402-18	Fluid Machines	2021-2022
BTME403-18	Strength of Materials-II	2021-2022
BTME404-18	Materials Engineering	2021-2022
BTME405-18	Theory of Machines-II	2021-2022
BTME406-18	Applied Thermodynamics (Lab)	2021-2022
BTME407-18	Fluid Machines (Lab)	2021-2022
BTME408-18	Material Engineering (Lab)	2021-2022
BMPD401-18	Mentoring and Professional Development	2021-2022
BTME501-18	Heat Transfer	2021-2022
BTME502-18	Design of Machine Elements-I	2021-2022
BTME503-18	Manufacturing Processes-I	2021-2022
BTME504-18	Numerical Methods	2021-2022
BTME505-18	Heat Transfer (Lab)	2021-2022
BTME506-18	Manufacturing Processes (Lab)	2021-2022
BTME507-18	Numerical Methods (Lab)	2021-2022
BTMC102-18	Essence of Indian knowledge Tradition	2021-2022
BTME601-18	Refrigeration and Air conditioning	2021-2022
BTME602-18	Mechanical Measurements & Metrology	2021-2022
BTME603-18	Automobile Engineering	2021-2022
XXXX###-18	Open Elective - I	2021-2022
XXXX###-18	Professional Elective-I	2021-2022
BTME605-18	RAC (Lab)	2021-2022
BTME606-18	MMM (Lab)	2021-2022
BTME607-18	Auto. Engg.(Lab)	2021-2022
BTME608-18	Minor Project	2021-2022
BTME701-18	Mechanical Vibrations	2021-2022
BTME702-18	Automation in Manufacturing	2021-2022
BTME703-18	Fundamentals of Management for Engineers	2021-2022
BTME615-18	Elective-II	2021-2022
BTME614-18	Elective-III	2021-2022
OECE-703-18	Open Elective	2021-2022
BTME704-18	Project-II	2021-2022
BTME-801	Software Training	2021-2022
BTME-801	Industrial Training	2021-2022

  
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## B.Tech (CSE)

BTPHXX-18	Physics	2021-2022
BTPHXX-18	Physics lab	2021-2022
BTCS 717-18	Adhoc and Wireless sensor networks lab	2021-2022
BTCS 710-18	Agile Software Development	2021-2022
BTCS 602-18	Artificial Intelligence	2021-2022
BTCS701	Artificial Intelligence	2021-2022
BTCS 602- 18UC	Artificial Intelligence	2021-2022
BTCS704	Artificial Intelligence Lab	2021-2022
BTCS 605- 18UC	Artificial Intelligence Lab	2021-2022
BTEE102-18	Basic Electrical Engineering (Lab)	2021-2022
BTCS 713-18	Blockchain Technologies Lab	2021-2022
BTCS 612-18	Cloud computing	2021-2022
BTCS 613-18	Cloud computing lab	2021-2022
BTCS 601-18	Compiler Design	2021-2022
BTCS 601- 18UC	Compiler Design	2021-2022
BTCS 604-18	Compiler Design Lab	2021-2022
BTCS 604- 18UC	Compiler Design Lab	2021-2022
BTCS 521-18	Computational Biology	2021-2022
BTCS 523-18	Computational Biology lab	2021-2022
BTCS 515-18	Computer Graphics	2021-2022
BTCS 518-18	Computer Graphics lab	2021-2022
BTCS 504-18	Computer Networks	2021-2022
BTES 401-18	Computer Organization & Architecture	2021-2022
BTES 402-18	Computer Organization & Architecture Lab	2021-2022
BTCS 708-18	Computer Vision	2021-2022
BTCS 709-18	Computer Vision lab	2021-2022
MC	Constitution of India/ Essence of Indian Tra	2021-2022
BTCS 702-18	Data Mining and Data Warehousing	2021-2022
BTCS 616-18	Data Science	2021-2022
BTCS 617-18	Data Science lab	2021-2022
BTCS 301-18	Data structure & Algorithms	2021-2022
BTCS 303-18	Data structure & Algorithms Lab	2021-2022
BTCS 501-18	Database Management Systems	2021-2022
BTCS 505-18	Database Management Systems Lab	2021-2022
BTCS 704-18	Deep Learning	2021-2022
BTCS 705-18	Deep Learning Lab	2021-2022
BTCS 403-18	Design & Analysis of Algorithms	2021-2022
BTCS 405-18	Design & Analysis of Algorithms Lab	2021-2022
BTES 301-18	Digital Electronics	2021-2022
BTES 302-18	Digital Electronics Lab	2021-2022
BTCS 610-18	Digital Image processing	2021-2022
BTCS 611-18	Digital Image processing lab	2021-2022
BTCS 401-18	Discrete Mathematic	2021-2022
BTCS 706-18	Distributed databases	2021-2022

Dr Neeley

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## B.Tech (CSE)

BTCS 707-18	Distributed databases lab	2021-2022
BTCSYYY	Elective –II	2021-2022
BTCSZZZ	Elective –III	2021-2022
BTCS XXX-18	Elective-I	2021-2022
BTCS XXX-18	Elective-I Lab	2021-2022
BTCS YYY-18	Elective-II	2021-2022
BTCS YYY-18	Elective-II lab	2021-2022
BTCS ZZZ- 18UC	Elective-III	2021-2022
BTCS ZZZ- 18UC	Elective-III Lab	2021-2022
BTCS UUU- 18UC	Elective-IV	2021-2022
BTCS UUU- 18UC	Elective-IV Lab	2021-2022
BTME101-18	Engineering Graphics & Design	2021-2022
BTME101-18	Engineering Graphics & Design	2021-2022
BTES 501-18	Enterprise Resource Planning	2021-2022
EVS101- 18	Environmental Sciences	2021-2022
EVS101- 18	Environmental Sciences	2021-2022
BTCS 502-18	Formal Language & Automata Theory	2021-2022
HSMC 101/102- 18	Foundation Course in Humanities (Develop	2021-2022
HSMC 101/102-18	Foundation Course in Humanities (Development of Societies/Philosophy)	2021-2022
B.TECH CSE	Industrial *Training	2021-2022
B.Tech. CSE	Industrial Training	2021-2022
BTCS802	Industry Oriented Project Training	2021-2022
BTCS802	Industry Oriented Project Training	2021-2022
BTCS 608-18	Internet of Things	2021-2022
BTCS 609-18	Internet of Things lab	2021-2022
BTCS 305-18	IT Workshop	2021-2022
BTCS 618-18	Machine Learning	2021-2022
BTCS 618-18	Machine Learning	2021-2022
BTCS 619-18	Machine Learning lab	2021-2022
BTAMXX-18	Math I	2021-2022
BTAM104-18	Mathematics Paper I	2021-2022
BTAM 204-18	Mathematics Paper II	2021-2022
BTAM 304-18	Mathematics-III	2021-2022
BTCS 620-18	Mobile Application Development	2021-2022
BTCS 621-18	Mobile Application Development lab	2021-2022
BTCS 621-18	Mobile Application Development lab	2021-2022
BTCS 701-18	Network Security and Cryptography	2021-2022
BTCS 302-18	Object Oriented Programming	2021-2022
BTCS 304-18	Object Oriented Programming lab	2021-2022
B.TECH CSE	Open Elective-I	2021-2022
BTOE***	Open Elective-I	2021-2022
BTOE ***	Open Elective-II	2021-2022
BTCS 402-18	Operating Systems	2021-2022

*Dr Neelg*

*Director*

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## B.Tech (CSE)

BTCS 402-18	Operating Systems	2021-2022
BTCS 402-18	Operating Systems	2021-2022
BTCS 404-18	Operating Systems Lab	2021-2022
BTCS 714-18	Parallel Computing	2021-2022
BTCS 715-18	Parallel Computing lab	2021-2022
BTPS101-18	Programming for Problem Solving	2021-2022
BTPS101-18	Programming for Problem Solving	2021-2022
BTPS101-18	Programming for Problem Solving	2021-2022
BTPS102-18	Programming for Problem Solving (Lab)	2021-2022
BTPS102-18	Programming for Problem Solving (Lab)	2021-2022
BTPS102-18	Programming for Problem Solving (Lab)	2021-2022
BTCS 510-18	Programming in Python	2021-2022
BTCS 513-18	Programming in Python Lab	2021-2022
BTCS 703	Project	2021-2022
BTCS 703	Project	2021-2022
BTCS 603-18	Project-I	2021-2022
BTCS 603-18	Project-I	2021-2022
BTCS 603- 18UC	Project-I	2021-2022
BTCS 702-18	Project-II	2021-2022
BTCS 703-18	Project-II	2021-2022
BTCS 718-18	Quantum Computing	2021-2022
BTCS 719-18	Quantum Computing lab	2021-2022
BTCS 801-18	Semester Training	2021-2022
BTPH104-18	Semiconductor Physics	2021-2022
BTPH114-18	Semiconductor Physics Lab	2021-2022
BTCS607	Simulation and Modeling Lab	2021-2022
BTCS 606-18	Simulation and Modelling	2021-2022
BTCS 607-18	Simulation and Modelling Lab	2021-2022
BTCS 503-18	Software Engineering	2021-2022
BTCS 506-18	Software Engineering Lab	2021-2022
BTCS606	Software Engineering Lab	2021-2022
BTCS 614-18	Software Project Management	2021-2022
BTCS 615-18	Software Project Management Lab	2021-2022
BTCS 905	Software Testing and Quality Assurance	2021-2022
BTCS801	Software Training	2021-2022
BTCS801	Software Training	2021-2022
B.TECH CSE	Summer Institutional Training	2021-2022
B.Tech. CSE	Summer Institutional Training	2021-2022
BTCS702	Theory of Computation	2021-2022
BTCS702	Theory of Computation	2021-2022
HSMC 122-18	Universal Human Values 2	2021-2022
HSMC 122-18	Universal Human Values-II	2021-2022
BTCS 520-18	Web Technologies	2021-2022
BTCS 522-18	Web Technologies lab	2021-2022



  
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B.Tech (CSE)

BTMP101-18	Workshop / Manufacturing Practices	2021-2022
BTMP101-18	Workshop / Manufacturing Practices	2021-2022

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MTCS 201-18	Advance Algorithms	2021-2022
MTCS 101-18	Advanced Data Structures	2021-2022
MTCS 102-18	Advanced Data Structures	2021-2022
MTCS 103-18	Advanced Data Structures Lab.	2021-2022
MTCS 110-18	Advanced Wireless and Mobile Networks	2021-2022
MTCS 104-18	Based on Electives	2021-2022
MTCS 303-18	Compiler for HPC	2021-2022
MTCS 208-18	Computer Vision	2021-2022
MTCS 206-18	Data Preparation and Analysis	2021-2022
MTCS 108-18	Data Science	2021-2022
MTCS 211-18	Digital Forensics	2021-2022
MTCS 401-18	Dissertation - II	2021-2022
MTCS 301-18	Dissertation -I	2021-2022
MTCS 109-18	Distributed Systems	2021-2022
MTCS 210-18	GPU Computing	2021-2022
MTCS 209-18	Human and Computer Interaction	2021-2022
MTCS 107-18	Introduction to Intelligent Systems	2021-2022
MTCS 104-18	Lab Based on Electives	2021-2022
MTCS 104-18	Laboratory 2	2021-2022
MTCS 103-18	Laboratory 1	2021-2022
MTCS 203-18	Laboratory 3	2021-2022
MTCS 204-18	Laboratory 4	2021-2022
MTCS203-18	Laboratory Based on cores	2021-2022
MTCS204-18	Laboratory Based on Electives	2021-2022
MTCS 105-18	Machine Learning	2021-2022
MTCS 101-18	Mathematical foundations of Computer Science	2021-2022
MTCS 205-18	Mini Project with Seminar	2021-2022
MTCS 205-18	Mini Project with Seminar	2021-2022
MTCS 302-18	Mobile Applications and Services	2021-2022
MTCS 304-18	Optimization Techniques	2021-2022
MTCS 105-18, MTCS 106-18, MTCS 107-18	Program Elective I	2021-2022

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MTCS 108-18, MTCS 109-18, MTCS 110-18	Program Elective II	2021-2022
MTCS 206-18, MTCS 207- 18 MTCS 208-18	Program Elective III	2021-2022
MTCS 209-18, MTCS 210-18, MTCS 211-18	Program Elective IV	2021-2022
MTRM 101-18	Research Methodology and IPR	2021-2022
MTRM 101-18	Research Methodology and IPR	2021-2022
MTCS 207- 18	Secure Software Design & Enterprise Comp	2021-2022
MTCS 202-18	Soft Computing	2021-2022
MTCS 202-18	Soft Computing	2021-2022
MTCS 106-18	Wireless Sensor Networks	2021-2022

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3.1 List of courses offered across all programs during last year

Program code	Program name	Course code	Course name	Year of offering the course
B. ARCH.2021	B. ARCH.2021	BARCH-101/21	Architectural Design & Theory-I	2021-22
2	B. ARCH.2022	BARCH-102/21	Architectural Drawing-I	2021-22
2	B. ARCH.2023	BARCH-103/21	Architectural Graphics-I	2021-22
2	B. ARCH.2024	BARCH-104/21	Workshop-I	2021-22
2	B. ARCH.2025	BARCH-105/21	Building Construction & Materials-I	2021-22
2	B. ARCH.2026	BARCH-106/21	Theory of Structure-I	2021-22
2	B. ARCH.2027	BTHU-101/18	Communicative English	2021-22
2	B. ARCH.2028	BTHU-102/18	Communicative Skill Laboratory	2021-22
2	B. ARCH.2029	HSMC-122/18	Human Values and Professional Ethics	2021-22
2	B. ARCH.2030	BARCH-107/21	Life skills-I	2021-22
2	B. ARCH.2031	BARCH-201/21	Architectural Design-II	2021-22
2	B. ARCH.2032	BARCH-202/21	Architectural Drawing-II	2021-22
2	B. ARCH.2033	BARCH-203/21	Architectural Graphics-II	2021-22
2	B. ARCH.2034	BARCH-204/21	History of Architecture-I	2021-22
2	B. ARCH.2035	BARCH-205/21	Workshop-II	2021-22
2	B. ARCH.2036	BARCH-206/21	Building Construction and Materials-II	2021-22
2	B. ARCH.2037	BARCH-207/21	Theory of Design-I	2021-22
2	B. ARCH.2038	BARCH-208/21	Computer Application-I	2021-22
2	B. ARCH.2039	BARCH-209/21	Mentoring and Professional Development-I	2021-22
2	B. ARCH.		Educational Tour I/ Summer Training-I/Vacation Assignment-I	2021-22
2	B. ARCH.	UC/BARCH-302/19	Architectural Graphics/Presentation - III	2021-22
2	B. ARCH.	UC/BARCH-303/19	Building Construction & Materials- III	2021-22
2	B. ARCH.	UC/BARCH-304/19	Structure Systems-II	2021-22
2	B. ARCH.	UC/BARCH-305/19	Structure Design-I	2021-22
2	B. ARCH.	UC/BARCH-306/19	Surveying & Leveling	2021-22
2	B. ARCH.	UC/BARCH-307/19	Climate & Architecture-I	2021-22
2	B. ARCH.	UC/BARCH-308/19	Computer Application-I	2021-22
2	B. ARCH.	UC/BARCH-309/19	* Educational Tour I/Summer Training-I / Vacation Assignment-I	2021-22
2	B. ARCH.	UC/BARCH-401/19	Architectural Design -IV	2021-22
2	B. ARCH.	UC/BARCH-402/19	History of Architecture-II	2021-22
2	B. ARCH.	UC/BARCH-403/19	Building Construction & Materials-IV	2021-22
2	B. ARCH.	UC/BARCH-404/19	Structure Design-II	2021-22
2	B. ARCH.	UC/BARCH-405/19	Building Services-I	2021-22
2	B. ARCH.	UC/BARCH-406/19	Climate & Architecture-II	2021-22
2	B. ARCH.	UC/BARCH-407/19	Computer Application-II	2021-22
2	B. ARCH.	UC/BARCH-408/19	Mentoring and Professional Development-II	2021-22
2	B. ARCH.	UC/BARCH-409/19	Constitutional Law	2021-22
2	B. ARCH.	UC/BARCH-501/19	Architectural Design-V	2021-22
2	B. ARCH.	UC/BARCH-502/19	Building Construction & Materials-V	2021-22
2	B. ARCH.	UC/BARCH-503/19	Structure Systems-III	2021-22
2	B. ARCH.	UC/BARCH-504/19	Structure Design-III	2021-22
2	B. ARCH.	UC/BARCH-505/19	Building Services-II	2021-22
2	B. ARCH.	UC/BARCH-506/19	Theory of Design-III	2021-22
2	B. ARCH.	UC/BARCH-507/19	Landscape Architecture	2021-22
2	B. ARCH.	UC/BARCH-509	Hill Architecture	2021-22
2	B. ARCH.	UC/BARCH-513	Sociology for Architects/Fundamentals	2021-22
2	B. ARCH.	UC/BARCH-514	Health Education-I	2021-22
2	B. ARCH.	UC/BARCH-515	Music(Vocal, Instrumental)	2021-22
2	B. ARCH.	UC/BARCH-516	Laser/Printing Technology	2021-22
2	B. ARCH.	UC/BARCH-517	Creative Writing	2021-22

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Program code	Program name	Course code	Course name	Year of offering the course
2	B.ARCH	UC/BARCH-518/19	Educational Tour II/Summer T	2021-22
2	B.ARCH	UC/BARCH-601/19	Architectural Design -VI	2021-22
2	B.ARCH	UC/BARCH-602/19	History of Architecture-IV	2021-22
2	B.ARCH	UC/BARCH-603/19	Estimating Costing & Specific	2021-22
2	B.ARCH	UC/BARCH-604/19	Architecture Legislation	2021-22
2	B.ARCH	UC/BARCH-605/19	Building Construction & Mater	2021-22
2	B.ARCH	UC/BARCH-606/19	Structure Design (Project)-IV	2021-22
2	B.ARCH	UC/BARCH-607/19	Building Services-III	2021-22
2	B.ARCH	UC/BARCH-608/19	Climate & Architecture (Sustai	2021-22
2	B.ARCH	UC/BARCH-609 (A)/19	Sustainable Cities & Communi	2021-22
2	B.ARCH	UC/BARCH-612/19	Psychology for Architects	2021-22
2	B.ARCH	UC/BARCH-613/19	Health Education-II	2021-22
2	B.ARCH	UC/BARCH-615/19	Mentoring and Professional De	2021-22
2	B.ARCH	UC/BARC-610/19	Low-Cost effective Building D	2021-22
2	B.ARCH	UC/BARC-611/19	Interior Design	2021-22
2	B.ARCH	UC/BARC-614/19	Lighting Design	2021-22
2	B.ARCH	BACH-701	Practical Training Programme	2021-22
2	B.ARCH	BACH-801	Architectural Design-VII	2021-22
2	B.ARCH	BACH-802	Building Construction & Materials- VII	2021-22
2	B.ARCH	BACH-803	Urban Design - I	2021-22
2	B.ARCH	BACH-804	Housing - I	2021-22
2	B.ARCH	BACH-805	High Rise Buildings - I	2021-22
2	B.ARCH	BACH-806 to 808	Elective-I	2021-22
2	B.ARCH	BACH-901	Architectural Design-VIII	2021-22
2	B.ARCH	BACH-902	Building Construction & Materials- VIII	2021-22
2	B.ARCH	BACH-903	Town Planning-I	2021-22
2	B.ARCH	BACH-904	Building Economics-I	2021-22
2	B.ARCH	BACH-905	Hill Architecture-I	2021-22
2	B.ARCH	BACH-907	Traffic and Transportation-I	2021-22
2	B.ARCH	BACH-1001	Architectural Design - IX (Thesis Project)	2021-22
2	B.ARCH	BACH-1002	Construction Management-I	2021-22
2	B.ARCH	BACH-1003	Professional Practice -I	2021-22
2	B.ARCH	BACH-1004	Disaster Management -I	2021-22
355	M. ARCH	UC/MARCH-101/20	Studio I	2021-22
355	M. ARCH	UC/MARCH-102/20	Contemporary Architecture- I	2021-22
355	M. ARCH	UC/MARCH-103/20	Educational Technology	2021-22
355	M. ARCH	UC/MARCH-104/20	Research Methodology - I	2021-22
355	M. ARCH	UC/MARCH/ PE-106-10/20	Fundamentals of the built environment and resource conservation	2021-22
355	M. ARCH	UC/MARCH-201/20	Studio II	2021-22
355	M. ARCH	UC/MARCH-202/20	Contemporary Architecture - II	2021-22
355	M. ARCH	UC/MARCH-203/20	Psychology of Learning and Teaching	2021-22
355	M. ARCH	UC/MARCH-204/20	Architecture Research Methodology - II	2021-22
355	M. ARCH	UC/MARCH-206-10/20	Elective I (Architecture Appreciation)	2021-22
355	M. ARCH		* Educational Tour I/Summer Training-I / Vacation Assignment-I	2021-22
523	M. PLAN	UC-MURP101	Planning Studio - I	2021-22
523	M. PLAN	UC-MURP102	Geoinformatics Systems - I	2021-22
523	M. PLAN	UC-MURP103	History of Human Settlements	2021-22
523	M. PLAN	UC-MURP104	Planning Techniques and Quantitative Methods	2021-22
523	M. PLAN	UC-MURP105	Environment Planning	2021-22



Program code	Program name	Course code	Course name	Year of offering the course
523	M. PLAN.	UC-MURP106	Infrastructure Planning -I	2021-22
523	M. PLAN.	UC-MURP107	Socio-Economic Planning	2021-22
523	M. PLAN.	UC-MURP201	Planning Studio - II	2021-22
523	M. PLAN.	UC-MURP202	Geoinformatics Systems - II	2021-22
523	M. PLAN.	UC-MURP203	City and Metropolitan Planning	2021-22
523	M. PLAN.	UC-MURP204	Infrastructure Planning -II	2021-22
523	M. PLAN.	UC-MURP205	Planning Legislations and Governance	2021-22
523	M. PLAN.	UC/MURP-202 to 209/19	Elective	2021-22
523	M. PLAN.	UC/MURP-301/19	Planning Studio - III (Regional Planning)	2021-22
523	M. PLAN.	UC/MURP-302/19	Regional Planning	2021-22
523	M. PLAN.	UC/MURP-303/19	Research Methodology	2021-22
523	M. PLAN.	UC/MURP-304/19	Review of Professional Training	2021-22
523	M. PLAN.	UC/MURP-305/19	Professional Elective	2021-22
523	M. PLAN.	UC/MURP-306/19	Open Elective-I	2021-22
523	M. PLAN.	UC-MURP401	Planning Thesis	2021-22
523	M. PLAN.	UC-MURP402	Open Elective-II	2021-22
	B.Sc. (Arch. Basics)	UC/BSCAB-101/20	Architectural Design & Theory-I	2021-22
	B.Sc. (Arch. Basics)	UC/BSCAB-102/20	Architectural Drawing-I	2021-22
	B.Sc. (Arch. Basics)	UC/BSCAB-103/20	Architectural Graphics-I	2021-22
	B.Sc. (Arch. Basics)	UC/BSCAB-104/20	Building Construction & Materials-I	2021-22
	B.Sc. (Arch. Basics)	UC/BSCAB-105/20	Structure Systems	2021-22
	B.Sc. (Arch. Basics)	UC/BSCAB-106/20	Workshop-I	2021-22
	B.Sc. (Arch. Basics)	UC/BTHU-101/18	Communicative English	2021-22
	B.Sc. (Arch. Basics)	UC/BTHU-102/18	Communicative Skill laboratory	2021-22
	B.Sc. (Arch. Basics)	UC/BSCAB-107/20	Human Values and Professional Ethics	2021-22
	B.Sc. (Arch. Basics)	UC/BSCAB-108/20	Life Skills-I	2021-22

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