

ANNEXURE II

M.Tech./M.S.(Research) and M.Des. Programmes offered

Department/Centre/School Interdisciplinary Programme	Programme	Programme Code
[A] M. Tech. Programmes of Deptts./Centre/ School		
Applied Mechanics	Engineering Analysis and Design	AMA
Applied Research in Electronics	Radio Frequency Design and Technology	CRF
Atmospheric Science	Atmospheric-Oceanic Science & Technology	AST
Biomedical Engineering [#]	Biomedical Engineering	BMT [#]
Chemistry	Molecular Engineering; Chemical Synthesis and Analysis	CYM
Chemical Engineering	Chemical Engineering	CHE
Civil Engineering	Construction Engg. & Management	CET
	Environmental Engineering and Management	CEV
	Geotechnical and Geoenvironmental Engg	CEG
	Rock Engineering and Underground Structures	CEU
	Structural Engineering	CES
	Transportation Engineering	CEP
	Water Resources Engineering	CEW
Computer Science & Engineering*	Computer Science & Engineering	MCS*
Electrical Engineering	Communications Engineering	EEE
	Computer Technology	EET
	Control & Automation	EEA
	Integrated Electronics & Circuits	EEN
	Power Electronics, Electrical Machines & Drives	EET
	Power Systems	EES
Mechanical Engineering	Mechanical Design	MEM
	Industrial Engineering	MEE
	Production Engineering	MEP
	Thermal Engineering	MET
Physics	Applied Optics	PHA
	Solid State Materials	PHM
Textile Technology	Fibre Science & Technology	TTF
	Textile Engineering	TTE
	Textile Chemical Processing	TTC
[B] Interdisciplinary M. Tech. Programmes		
M. Tech. Programmes	Energy Studies	JES
	Instrument Technology	JID
	Industrial Tribology & Maintenance Engineering	JIT
	Opto-Electronics & Optical Communication	JOP
	Polymer Science & Technology	JPT
	Telecom Technology & Management	JTM
	VLSI Design Tools & Technology	JVL**

Department/Centre/ Interdisciplinary Programme	Programme	Programme Code
[C] M.S. (Research)	Applied Mechanics	AMY
	Amar Nath and Shashi Khosla School of Information Technology	SIY
	Bharti School of Telecommunication Technology and Management	BSY
	Biochemical Engg. & Biotechnology	BEY
	Chemical Engineering	CHY
	Civil Engineering	CEY
	Computer Science & Engineering	CSY*
	Electrical Engineering	EEY
	Mechanical Engineering	MEY
	School of Biological Sciences	BLY
	[D] M. Des. Programme	Industrial Design

* Admission to M.Tech. programme in Computer Science & Engineering (MCS) is limited to candidates who have a Qualifying degree in Computer Science, Electrical Engineering, Information Technology, Electronics and Communication, M.Sc. Mathematics (with exposure to appropriate level courses in Computer Science) and MCA (with Math and Science at B.Sc. level).

* Admission to M.S. (Research) programme in Computer Science & Engineering Department (CSY) is limited to candidates who have a Qualifying degree in Computer Science & Engineering, Electrical Engineering, Information Technology, M.Sc. Operations Research, Electronics and Communication, M.Sc. Statistics, M.A./M.Sc. Math, M.Sc. Math (with exposure to appropriate level courses in Computer Science) and MCA (with Math and Science at B.Sc. level).

In addition to the above, both the programmes (MCS and CSY) are limited to candidates who have appeared in GATE with Computer Science and Engineering or Information Technology.

** M. Tech. programme in VLSI Design Tools and Technology is an interdisciplinary programme jointly offered by Electrical Engg. Deptt., Computer Science and Engineering Department & Centre for Applied Research in Electronics. The M. Tech. programme is wholly sponsored by industries such as Texas Instruments, Cadence Design Systems, Cypress Semiconductors and Qualcomm. The Students will get a monthly fellowship as per rules. Candidate applying for admission to this programme should have basic degree in Computer Science (B.Tech. or equivalent) or Electrical Engineering (B.Tech. or equivalent) or Physics with electronics specialization (M.Sc. or equivalent) plus GATE.

For M. Tech. in Biomedical Engineering, the eligibility criteria for bachelors in medicine, dental sciences, veterinary sciences, and pharmacy shall be either GATE (if available) or other GATE equivalent national examinations. In other disciplines (Engineering subjects), requirement of a GATE score shall be as per institute norms.

ANNEXURE III

OPTIONS FOR M. TECH., M.S. (RESEARCH) & M.DES. PROGRAMMES ACCORDING TO THE DISCIPLINE IN WHICH THE CANDIDATE HOLDS THE QUALIFYING DEGREE

Programme Code (As defined in Annexure-II)	Disciplines of Qualifying Degree
AMA	Aeronautical Engineering, Automobile Engineering, Chemical Engineering, Civil Engineering, Industrial Engineering, Mechanical Engineering, Metallurgy, Materials Science & Engg., Marine Engineering, Naval Architecture, Production Engineering,
AMY	Aeronautical Engineering, Chemical Engineering, Civil Engineering, Mechanical Engineering, Marine Engineering, Naval Architecture, Production Engineering,
AST	B.E./B.Tech. Agricultural Engineering, Chemical Engineering, Civil Engineering, Environmental Engineering, Mechanical Engineering ; M.Sc. Meteorology/ Atmospheric Sciences/ Oceanography, M.Sc. Physics/ Geo-Physics/ Marine Engineering/ Statistics/ Chemistry; M.A./ M.Sc. Maths (with physics at undergraduate level), MCA (with maths and physics at B.Sc. level), M.Sc. Environmental/Agricultural Sciences (with maths and physics at B.Sc. level), M.Sc. Geo-Information/Remote sensing (with maths and physics at B.Sc. level). Candidates having B.Tech./B.E. in other branches of engineering will be considered only if they have appropriate experience in related areas of atmospheric and oceanic sciences, meteorology, remote sensing, etc.
BEY	Biochemical Engineering, Biochemistry, Biotechnology, Bioinformatics, Biophysics, Biosciences, Chemical Engineering, Chemistry, Environmental Engineering, Environmental Science, Food Science and Engineering, Food Technology, Genetics, Industrial Biotechnology, Life Sciences, Microbiology, Pharmaceutical Biotechnology
BMT	B.Tech. / B.E. in Biomedical, Chemical, Computer Science, Electrical, Electronics and communications, Instrumentation and Mechanical Engineering, Engineering Physics, Biochemical and Biotechnology engineering, Materials Science. OR M.Sc. or equivalent in Biotechnology, Chemistry, Electronics, Materials Science, Mathematics, Polymer science and technology, Physics OR M.B.B.S/ B.D.S./ Bachelor in Veterinary Sciences/ B.Pharm. (duration 4 years and more)
BSY	Computer Science/Computer Science & Engineering, Electronics & Communication, Information Technology, Instrumentation Engineering, M.Sc. Physics with specialization in Electronics, Electrical Engineering
CEC	Selection only jointly with L&T: Civil, Electrical, Mechanical

CEG	Civil Engineering,
CEP	Architecture, Civil Engineering, Mechanical Engineering,
CES	Civil Engineering,
CET	Architecture, Civil Engineering,
CEU	Civil Engineering, Mining Engineering,
CEV	Biochemical Engineering/ Biotechnology, Chemical Engineering, Civil Engineering, Environmental Engineering,
CEW	Agricultural Engineering, Civil Engineering,
CEY	Civil Engineering,
CHE	Chemical Engineering, Petrochemical Engg., Chemical Technology
CHY	Chemical Engineering, Petrochemical Engg., Chemical Technology
CRF	Electrical Engineering, Electronics & Communication, Engineering Physics,
CSY	Computer Science/Computer Science & Engineering, Electrical Engineering, Electronics & Communication, Information & Technology, M.Sc. Statistics, M.A./M.Sc. Maths, M.Sc. Mathematics/with an exposure to appropriate level course-in Computer Technology,
EEA	Aeronautical Engineering, Automobile Engineering, Biochemical Engineering/ Biotechnology, Chemical Engineering, Computer Science/Computer Science & Engineering, Electrical Engineering, Energy Engineering, Electronics & Communication, Instrumentation Engineering, Mechanical Engineering,
EEE	Computer Science/Computer Science & Engineering, Electrical Engineering, Energy Engineering, Electronics & Communication,
EET	Computer Science/Computer Science & Engineering, Electrical Engineering, Energy Engineering, Electronics & Communication, Informational Technology, Instrumentation Engineering, M.Sc. Mathematics/with an exposure to appropriate level course-in Computer Technology, M.Sc. Physics with specialization in Electronics,
EEN	Computer Science/Computer Science & Engineering, Electrical Engineering, Energy Engineering, Electronics & Communication, Instrumentation Engineering, Informational Technology, Engineering Physics, M.Sc. Physics, M.Sc. Physics with specialization in Electronics,
EEP	Computer Science/Computer Science & Engineering, Electrical Engineering, Energy Engineering, Electronics & Communication, Instrumentation Engineering,
EES	Computer Science/Computer Science & Engineering, Electrical Engineering, Energy Engineering,
EEY	Computer Science/Computer Science & Engineering, Electrical Engineering, Engineering Physics, Informational Technology, Instrumentation Engineering, M.Sc. Physics with specialization in Electronics, Electronics & Communication,
JDS	Architecture, Aeronautical Engineering, Agricultural Engineering, Chemical Engineering, Automobile Engineering, Biochemical

	Engineering/ Biotechnology, Civil Engineering, Computer Science/Computer Science & Engineering, Information Technology, Design (B.Des), Electrical Engineering, Food Engineering Technology, Industrial Engineering, Instrumentation Engineering, Mechanical Engineering, Metallurgy, Manufacturing Science & Engg., Naval Architecture, Textile Engg./Technology,
JES	B.Tech/B.Engg. in Chemical Engineering, Electrical Engineering, Electrical and Electronics Engineering, Engg. Physics, Energy Engineering, Mechanical Engineering, M.Sc. in Physics
JID	Electrical Engineering, Engineering Physics, Instrumentation Engineering, Mechanical Engineering, M.Sc. Physics
JIT	Aeronautical Engineering, Automobile Engineering, Industrial Engineering, Mechanical Engineering, Mining Engineering, Manufacturing Science & Engg., Marine Engineering, Production Engineering,
JOP	Computer Science/Computer Science & Engineering, Electrical Engineering, Electronics & Communication, Engineering Physics, M.Sc. Physics with specialization in Electronics, M.Sc. Physics
JPT	Chemical Engineering, Engineering Physics, Industrial Engineering, Mechanical Engineering, M.Sc. Physics, M.Sc. Chemistry, Polymer and Rubber Technology, Textile Chemistry, Fibre Science and Technology, Textile Technology, Nanoscience and Nanotechnology, Petroleum Engineering, M.Sc. Polymer Science, M.Sc. Material Science and Engineering, M.Sc. Material Science
JTM	Computer Science/Computer Science & Engineering, Electronics & Communication, Instrumentation Engineering, M.Sc. Physics with specialization in Electronics, Electrical Engg.
JVL	Computer Science/Computer Science & Engineering, Electrical Engineering, Engineering Physics, Informational Technology, Instrumentation Engineering, M.Sc. Physics, M.Sc. Physics with specialization in Electronics,
MCS	Computer Science/Computer Science & Engineering, Electrical Engineering, Electronics & Communication Engineering, Information Technology, M.Sc. Statistics, M.A./M.Sc. Maths, M.Sc. Mathematics/with an exposure to appropriate level course-in Computer Technology
MEM	Aeronautical Engineering, Agricultural Engineering, Automobile Engineering, Instrumentation Engineering, Mechanical Engineering, Metallurgy, Mining Engineering, Marine Engineering, Naval Architecture, Production Engineering, Textile Engg./Technology,
MEE	Aeronautical Engineering, Agricultural Engineering, Automobile Engineering, Biochemical Engineering/ Biotechnology, Chemical Engineering, Civil Engineering, Computer Science/Computer Science & Engineering, Electrical Engineering, Food Engineering Technology, Industrial Engineering, Informational Technology, Instrumentation

	Engineering, Mechanical Engineering, Metallurgy, Mining Engineering, M.Sc. Operations Research, Manufacturing Science & Engg., M.Sc. Statistics, M.A./M.Sc. Maths, M.Sc. Mathematics/with an exposure to appropriate level course-in Computer Technology, MCA (With Maths and Science at B.Sc. level), Production Engineering, Textile Engg./Technology, Electronics & Communication
MET	Architecture, Aeronautical Engineering, Automobile Engineering, Chemical Engineering, Environmental Engineering, Food Engineering Technology, Mechanical Engineering, Metallurgy, Marine Engineering, Production Engineering,
MEP	Aeronautical Engineering, Agricultural Engineering, Automobile Engineering, Industrial Engineering, Mechanical Engineering, Metallurgy, Manufacturing Science & Engg., Polymer and Rubber Technology, Production Engineering, Textile Engg./Technology, B.Tech in Tool Design
MEY	Industrial Engineering, Mechanical Engineering, Manufacturing Science & Engg., Production Engineering,
PHA	Electrical Engineering, Electronics & Communication, Engineering Physics, Mechanical Engineering, M.Sc. Physics, M.Sc. Physics with specialization in Electronics,
PHM	Electrical Engineering, Electronics & Communication, Engineering Physics, Mechanical Engineering, M.Sc. Physics, M.Sc. Physics with specialization in Electronics
SIY	Civil Engineering, Computer Science/Computer Science & Engineering, Electrical Engineering, Electronics & Communication, Engineering Physics, Energy Engineering /Energy system / Associated Disciplines, Industrial Design, Industrial Engineering, Informational Technology, Instrumentation Engineering, Mechanical Engineering, M.Sc. Operations Research, Manufacturing Science & Engg., M.Sc. Statistics, M.A./M.Sc. Maths, MCA (With Maths and Science at B.Sc. level), M.Sc. Physics with specialization in Electronics, Production Engineering and other relevant Engineering Disciplines.
TTC	Biochemical Engineering/Biotechnology, Chemical Engineering, Engineering Physics, M.Sc. Physics, M.Sc. Chemistry, M. Sc. in Polymer Science, M. Sc. in Polymer Chemistry, M. Sc. in Plastic and Rubber Technology, B.E. /B.Tech. in Plastic Engineering, B. E./B. Tech. in Polymer and Plastic Technology, B. E./B. Tech. in Rubber Technology, Textile Chemistry, Textile Engg./Technology, Material Science.
TTE	Mechanical Engineering, Manufacturing Science & Engg., Production Engineering, Textile Engg./Technology, Apparel Tech.
TTF	Biochemical Engineering/ Biotechnology, Chemical Engineering, M.Sc. Physics, M.Sc. Chemistry, Polymer and Rubber Technology, Textile Chemistry, Textile Engg./Technology, Material Science.