

## **FACULTY OF ENGINEERING AND TECHNOLOGY**

### **All B. Tech Programs (Duration: 4 years)**

Minimum 50% aggregate in PCM

**(i)** Passed in Higher secondary examination (10+2 pattern) or appearing in Higher Secondary examination in the current academic year with Physics, Chemistry and Mathematics as major subjects in regular stream from any state board within India, CBSE, ISCE, Matriculation, or NIOS

**Note:** Students who have completed +2 under NIOS must have completed the 10th standard from regular schooling or vice-versa.

**(ii)** GCE A-level or International Baccalaureate (IB) diploma or IB certificate with Physics, Chemistry and Mathematics as major subjects (equivalent to Advanced Placement level in each subject) in any International schools within India

#### **B. Tech**

**i.) Biotechnology**

**ii.) Biotechnology with specialization in Genetic Engineering**

**iii.) Biotechnology with specialization in Regenerative Medicine and**

**iv.) Biomedical Engineering**

Minimum 50% aggregate in PCM / PCB

**(i)** Passed in Higher secondary examination (10+2 pattern ) or appearing in Higher Secondary examination in the current academic year with Physics, Chemistry and Mathematics or Biology or Biotechnology as major subjects in regular stream from any state board within India, CBSE, ISCE, Matriculation, or NIOS

**(ii)** GCE A-level or International Baccalaureate (IB) diploma or IB certificate with Physics, Chemistry, Mathematics or Biology as major subjects (equivalent to Advanced Placement level in each subject) in any International schools within India

**Note:** Only those Candidates who have passed the above qualifying examination in not more than 2 attempts including appearance for improvement will be considered for admission

If the candidate desirous of joining B. Tech Electronics and Communication with a specialization in Biomedical Engineering have not studied Mathematics as a subject at +2 level examinations has to study a bridge course in Mathematics after taking admissions to the first year of B. Tech.

### **Eligibility for B. Sc (Hons.) Aircraft Maintenance Program (Duration: 3 Years)**

A pass in 10+2 with Physics, Chemistry and Mathematics or Diploma in Engineering having a minimum aggregate of 50% in PCM.

### **Eligibility for B.Des. Program (Duration: 4 Years)**

A pass in 10+2 or its equivalent in academic stream having a minimum total aggregate of 50%.

### **Eligibility for B.Arch. Program (Duration: 5 Years)**

Candidate must have a pass in 10+2 with 50% marks in Physics, Chemistry and Mathematics and 50% marks in aggregate of the 10+2 level examination.

A pass in National Aptitude test in Architecture (NATA) conducted by the Council of Architecture.

**Note:** No separate entrance examination will be conducted by SRM Institute of Science and Technology (formerly known as SRM University). However, the candidates have to apply in the prescribed application form for admission to B.Arch. program.

## **All M. Tech Programs (Duration: 2 Years)**

### **Specialization**

**Eligibility (A basic degree or equivalent in the following with a minimum aggregate of 50%)**

<b>Specialization</b>	<b>Eligibility (A basic degree or equivalent in the following with a minimum aggregate of 50%)</b>
Automotive Hybrid Systems Engineering	B.E / B.Tech in Mechanical / Automobile/ Aeronautical / Mechatronics/ Production / Electrical / ECE / EEE / Electronics / Instrumentation & Control Engg with aggregate & final year score over 50%. GATE Score and / or work experience in a related area is preferred. Selection through entrance and interview. Equal Proportion to both streams of Mechanical and Electrical Engineering will be considered in the selection.
Big Data Analytics	B.E / B.Tech. in CSE / IT / SWE (or) M.Sc. (CSE / IT) (or) MCA

Biomedical Engineering	B.E / B.Tech in Biomedical Engineering / Biomedical & Instrumentation Engineering / ICE / EIE / Biotechnology / Nanotechnology / Medical Electronics (or) M.Sc.(Electronics / Medical Electronics / Applied Electronics) (or) M.Sc.(Physics / Medical Physics / Bio-Physics) (or) M.Sc. (Bio-informatics / Biomedical Informatics / Biotechnology) (or) MBBS / BPT / BOT
Biotechnology	B.E / B.Tech. In Chemical Engineering / Bio-Technology / Bio-Chemical Engineering / Genetic Engg. / Bioinformatics / Biomedical Engg. / Biomedical & Instrumentation Engg. / Bioprocess Engg. / Food Process Engineering (or) B.Pharm (or) M.Sc. (in any branch of Life Sciences / Biotechnology)
Chemical Engineering	B.E / B.Tech. in Chemical Engineering / Electrochemical Engg. / Petrochemical Engg.
Cloud Computing	B.E / B.Tech in CSE / IT / SWE / ECE / EEE / EI (or) MCA (or) M.Sc (CSE / IT)
Computer Aided Design	B.E / B.Tech. in Mechanical Engg. / Production Engg. / Automobile Engg. / Aerospace / Aeronautical Engg (or) AMIE (Mech) / AMAeSI (Aero) / IMechE. (Or) any equivalent degree in the above Disciplines.
Computer Integrated Manufacturing	B.E / B.Tech. in Mechanical Engg. / Production Engg. / Industrial Engg. / Automobile Engg. / Metallurgical / Metallurgy Engg. / Aerospace / Aeronautical Engg. / Mechatronics Engg. (or) AMIE(Mech) / AMAeSI (Aero) / IMechE (or) any equivalent degree in the above Disciplines
Computer Science & Engineering	B.E / B.Tech. in CSE / IT / SWE / ECE / EEE / EIE & ICE (or) MCA (or) M.Sc. (CS / CST / IT / SW)
Construction Engineering and Management	B.E / B.Tech. In Civil / Civil Infrastructure Engg. / Architectural Engg. (or) B.Arch.
Electronics & Control Engineering	B.E / B.Tech. in ECE / ICE / EEE / EIE
Embedded System Technology	B.E / B.Tech. in EEE / ECE / CSE / IT / ICE / EIE (or) M.Sc. (Electronics / Applied Electronics) (or) M.Sc.

	(Physics - Special Electronics)
Environmental Engineering	B.E. / B.Tech (Civil / Civil Infrastructure / Architecture Engg. / Chemical / Biotechnology), or M.Sc ( Environmental Science / Ecology / Environmental Ecology / Environmental Chemistry)
Food and Nutritional Biotechnology	B.E / B.Tech. in Food Process / Chemical / Biotechnology / Agricultural Engineering/ Food Processing and Preservation Technology/ Food Technology
Food Safety and Quality Management	B.E / B.Tech in Food Engineering / Agricultural Engineering / Dairy Technology / Biotechnology / Chemical Engineering (or) M.Sc in Food Science / any branch of Life Sciences / Home Science / Nutrition & Dietetics.
Genetic Engineering	B.E / B.Tech in Genetic Engineering / Biotechnology / Industrial or Medical or General or Food Biotechnology / Biochemical Engineering / Bioinformatics / Bioprocess Engineering (or) B.Pharm (or) <a href="#">B.V.Sc.</a> (or) <a href="#">B.F.Sc.</a> (or) B.Sc. (Agri) / B.Sc. (Forestry) (or) MBBS (or) M.Sc in any branch of Life Sciences.
GeoTechnical Engineering	B.E / B.Tech. (Civil / Civil Infrastructure / Architecture Engg. / Geo Informatics / Structural Engg.) or M.Sc. ( Geology / Applied Geology / Geophysics with Maths background)
Information Security and Cyber Forensics	B.E / B.Tech. in CSE / IT / SWE (or) M.Sc. (CSE / IT) (or) MCA
Internet of Things	B.E / B.Tech. in CSE / IT / SWE / ECE / EEE /ETE /Mechatronics/ EIE & ICE (or) MCA (or) M.Sc. (CS / CST / IT / SW / Electronics / Applied Electronics ) (or) any equivalent degree in the above Disciplines
Mechatronics Engineering	B.E / B. Tech in Mechanical Engineering, Production Engineering, Manufacturing Engineering, Automobile Engineering, Aerospace Engineering, Mechatronics Engineering, Electrical and Electronics Engineering, Electronics & Communication Engineering, Instrumentation and Control Engineering, Electronics & Instrumentation Engineering Electronics &

	Instrumentation Engineering, Computer Science Engineering, Information Technology, Software Engineering
Mobile and Pervasive Computing	B.E / B.Tech. in CSE / IT / SWE / ECE / EEE / ETE/ EIE & ICE (or) MCA (or) M.Sc. (CS / CST / IT / SW)
Nanotechnology	B.E / B.Tech. (Any Specialization), M.Sc (Physics / Materials Science / Chemistry / Applied Chemistry / BioChemistry / Biotechnology) with mathematics as one of the subjects at B.Sc level.
Power Electronics and Drives	B.E / B.Tech. in EEE / ECE / ICE / EIE
Power Systems	B.E / B.Tech. in EEE
Remote Sensing and GIS	B.E. / B.Tech (Civil / Civil Infrastructure / Architectural Engg. / Geo Informatics / CSE / ECE / EEE / IT / Agricultural Engg / Urban & Regional Planning) or B.Sc. (4 years) - Agriculture / Forestry / Horticulture / Geography or M.Sc. / M.A (Geology / Applied Geology / GeoPhysics / Geography / GeoInformatics / Physics / Maths / Oceanography / Environmental Science)
Robotics	B.E / B.Tech. in Mechanical Engg. / Production Engg. / Industrial Engg. / Automobile Engg. / Aerospace / Aeronautical Engg. / Mechatronics Engg. / ECE / EEE / ICE / CSE (or) AMIE (Mech) / AMAeSI(Aero) / IMechE (or) any equivalent degree in the above Disciplines
Solar Energy	B.E. / B.Tech. InMechanical Engineering / Automobile Engineering / Chemical Engineering / Electrical & Electronics Engineering / AMIE (Mechanical Engineering) / AMAeSI / IMechE / M.Sc. (Physics) (or) any equivalent degree in the above discipline.
Structural Engineering	B.E / B.Tech. In Civil / Civil Infrastructure Engg. / Architectural Engg.
Telecommunication Networks	B.E / B.Tech. in ECE / ETE / TE
VLSI Design	B.E / B.Tech. in ECE / EEE / EIE / CSE / IT (or) M.Sc. (Electronics / Applied Electronics) (or) M.Sc. (Physics -

	Special Electronics)
Wireless and Mobile Communication System	B.E / B.Tech. in ECE / ETE / TE

**M. Arch - Master of Architecture (Duration: 2 Years)**

B.Arch. (or) equivalent
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