**Vinayaka Mission's Research Foundation (Deemed to be University), Salem – 636 308**

**Eligibility Criteria for Engineering Programmes for the academic year 2023-2024.**

## BE / B.Tech. (Full time)(All programmes) – 4 YEARS

**Eligibility:** a) A Pass in H.Sc with Physics/ Mathematics/ Chemistry/ Computer Science/ Electronics/ Information Technology/ Biology/ Informatics Practices/ Biotechnology/ Technical Vocational subject/ Agriculture/ Engineering Graphics/ Business Studies/ Entrepreneurship as per table given below.

b) Obtained at least 45% marks (40% marks in case of candidates belonging to reserved category) in the above subjects taken together

| S.No. | Programme / Discipline | Mandatory Subjects | Other Relevant subjects |
|---|---|---|---|
| 1 | Biomedical Engineering | Phy, Chem | Select any one from Biology/Biotechnology/Maths |
| 2 | Artificial Intelligence and Data Science<br>Computer Science & Engineering<br>Computer Science and Engineering (Artificial Intelligence and Machine Learning)<br>Computer Science and Engineering (Cyber Security)<br>Information Technology<br>Electrical & Electronics Engineering<br>Electronics & Communication Engg | Phy, Maths | Chemistry/ Computer Science/Electronics/Information Technology/ Biology/ Informatics Practices/ Biotechnology/ Technical Vocational subject/ Agriculture/ Engineering Graphics/ Business Studies/Entrepreneurship |
| 3 | Civil Engineering<br>Mechanical Engineering | Phy, Chem, Maths | NA |
| 4 | Pharmaceutical Engineering<br>Biotechnology | Phy, Chem | Select any one from Biology/Biotechnology/Maths |

## BE / B.Tech. (Lateral Entry): 3 Years

**Eligibility:** Passed Minimum THREE years / TWO years (Lateral Entry) Diploma examination with at least 45% marks (40% marks in case of candidates belonging to reserved category) in any branch of Engineering and Technology.
OR

Passed B.Sc. Degree from a recognized University as defined by UGC, with at least 45% marks (40% marks in case of candidates belonging to reserved category) and passed 10+2 examination with Mathematics as a subject.

OR

Passed D.Voc. Stream in the same or allied sector.

(Offer suitable bridge courses such as Mathematics, Physics, Engineering drawing, etc., for the students coming from diverse backgrounds to achieve desired learning outcomes of the programme)

**BE / B.TECH. (PART TIME) - Duration: 3 1/2  Years**

| Course in BE/ B.TECH. | Qualifying Diploma |
|---|---|
| **Eligibility :** Diploma in the relevant Discipline/ Field/ Programme with a Minimum of Two years Full Time work experience in a registered Firm/ Company/ Industry/ Educational and/ Government, Autonomous Organizations in the relevant field in which admission is sought. | |
| Computer Science and Engineering / Electronics and Communication Engineering /Electrical and Electronics Engineering | Electrical and Electronics / Electronics and Communication / Electronics and Instrumentation / Electronics Engineering (Instrumentation) / Computer Technology / Instrument Technology / Computer Science / Instrumentation and Control / Electrical Engineering (Instruments and Control) / Electrical Engineering (Sandwich) / Information Technology / Electronics (WSI) / Electrical Engineering / Instrumentation Technology / Computer Engineering / Computer Networking / Electrical and Electronics Engg. (Sandwich) / Electronics (Robotics) / Electronics (Robotics) (Sandwich) |
| Civil Engineering | Civil / Civil and Rural / Civil (Architecture) / Architectural Assistantship / Civil (Sandwich) /Architecture (Sandwich) / Environmental and Pollution Control Engg. / Civil (Rural Technology) / Interior Design / Architectural Assistantship (Sandwich) |
| Mechanical Engineering | Mechanical / Mechanical and Rural / Mechanical Design & Drafting / Production / Automobile / Metallurgy / Mechatronics / Machine Tool Maintenance and Repairs / Tool and Die Making / Tool Engineering / Foundry Technology / Refrigeration & Air Conditioning / Agricultural / Marine / Mechanical (Production) / Mechanical (Sandwich) / Foundry Technology (Sandwich) / Machine Tool Maintenance and Repairs (Sandwich) / Tool and Die Making (Sandwich) / Production Technology / Tool Design / Mechanical (Tool& Die) / Automobile Technology / Mechanical (Foundry) / Agricultural Technology / Mechanical (R & A.C.) / Electronics (Robotics) / Agricultural Engineering and Farm Equipment Technology / Production (Sandwich) / Mechatronics (Sandwich) / Electronics (Robotics) (Sandwich) |

**ME / M.Tech. (Full TIME) -  Duration: 2 years**

**Eligibility:** A Pass in Bachelor's Degree or equivalent and obtained at least 50% marks (45% marks in case of candidates belonging to reserved category) in the qualifying examination.

| Course in ME/ M.TECH. | Qualifying Degree |
|---|---|
| ME Biomedical Engineering | Candidate must have completed B.E./B.Tech. in Biomedical Engg./ Medical  Electronics / Electronics and Communication Engg / Electronics and Instrumentation Engineering / Bioengineering / Bio Medical Instrumentation Engineering |

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|---|---|
| ME Computer Science and Engineering | Passed Bachelor's of Degree or equivalent in the relevant field Computer Science & Engineering / Information Technology / Software Engineering / Electrical and Electronics Engineering / Electronics and Communication Engineering / Electronics Engineering / Electronics and Instrumentation Engineering / Instrumentation and Control Engineering / Instrumentation Engineering. (Or) M.Sc. (10+2+3+2) years Pattern Information Technology / Computer Science / Software Engineering. M.C.A (10+2+3+3) years Pattern |
| ME Construction Engineering and Management | Passed Bachelor's of Degree or equivalent in the relevant field o f Civil Engineering / Civil and Structural Engineering / Civil Engineering and Planning |
| ME Embedded Systems Technologies. | Passed Bachelor's of Degree or equivalent in the relevant field **B.E. / B.Tech.** - Electrical and Electronics Engg. / Electronics and Communication Engg / Computer Science and Engg. / Instrumentation and Control Engg. / Electronics and Instrumentation Engg. / Information Technology / Electronics Engg. / Instrumentation Engg. /Software Engg. / Electrical Engineering |
| ME Industrial Safety and Engineering | Candidate must have completed B.E./B.Tech. (Any branch). |
| ME Manufacturing Engineering | Passed Bachelor's of Degree or equivalent in the relevant field of Mechanical Engineering / Production Engineering / Automobile Engineering / Aeronautical Engineering / Aerospace Engineering / Mechatronics Engineering / Industrial Engineering / Marine Engineering / Manufacturing Engineering / Material Science Engineering / Metallurgy Engineering / Industrial Safety Engineering / Material Science and Engineering / Rubber & Plastic Technology / Polymer Engineering / Mechanical and Automation Engineering |
| ME Structural Engineering | Passed B.E. or B.Tech. degree in Civil Engineering |
| ME Power Systems Engineering | Passed B.E / B.TECH. in Electrical and Electronics Engineering. |
| M.Tech Pharmaceutical Biotechnology | Passed B.E./B.Tech in Pharmaceutical Engineering / Biotechnology / B. Pharmacy / M.Sc. Biosciences |

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|---|---|
| ME VLSI Design | Passed Bachelor's of Degree or equivalent in the relevant field of Electronics and Communication Engineering / Electrical and Electronics Engineering / Computer Science and Engineering / Instrumentation and Control Engineering / Electronics and Instrumentation Engineering / Information Technology / Electronics Engineering / Instrumentation Engineering / Software Engineering. **(Or)** M.Sc. Physics / Applied Electronics / Electronics |
| M.Tech Biotechnology | Passed B.E./B.Tech in Chemical Engineering / Leather Technology / Genetic Engineering / Genetic Technology / Bio- Chemical Engineering/ Bio-Chemical Technology / Industrial Bio-Technology / Petroleum Engineering / Petroleum Technology / Bio-Technology / Petrochemicals Engineering / Petrochemicals Technology / Agricultural Bio-Technology / Petroleum Refining and Petro Chemicals Engineering / Chemical and Electrochemical Engineering. |