MARBASELIOSCOLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous College| Approved by AICTE| Affiliated to APJ AKTU|
Accredited by NAAC with 'A' Grade)
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PROSPECTUS FOR M.Tech ADMISSIONS, 2024

1. INTRODUCTION

Mar Baselios College of Engineering and Technology (herein after referred to as MBCET) is administered by the Malankara Catholic Educational Society of the Archdiocese of Trivandrum of the Syro-Malankara Catholic Church and was established in 2002. MBCET is fully self-financed and has become Autonomous in the academic year 2020-2021. The College is affiliated to the APJ Abdul Kalam Technological University since 2015. Currently, the College offers eight M.Tech programmes in the eight specializations of Engineering and Technology under the five Departments, in the full-time regular mode, as listed in Clause 2(f) below.

The College is a member institution of the Kerala Catholic Engineering College Managements Association as well as the Association of Managements of Christian Autonomous Engineering Colleges of Kerala and has the minority status.

2. ELIGIBILITY FOR ADMISSION TO M.TECH PROGRAMMES

a) Applicant must be an Indian National.

b) Applicant should have obtained the B.Tech Degree in the appropriate branch of Engineering from the APJ Abdul Kalam Technological University or the equivalent Bachelor's degree in Engineering from other Universities approved by AICTE/UGC, UGC approved Deemed to be Universities in India.

c) The candidate should have secured a minimum of 60% aggregate marks in the qualifying Degree Examination. For SEBC students, the minimum requirement is 55% aggregate marks in the qualifying Degree Examination. For SC/ST candidates a pass in the Engineering Degree programme is sufficient. The relaxation of marks in the qualifying examination extended to SEBC candidates only will be applicable to OEC candidates, even if they are allotted against un-availed seats of SC/ST quota. See clause 2(f) for details about the qualifying Degree.

d) In the case of Degree certificate/ Mark list in which the aggregate mark is recorded in SGPA/ CGPA only, without stating the formula for conversion to percentage marks, the criteria prescribed by APJ Abdul Kalam Technological University for conversion of SGPA/ CGPA to percentage marks will be adopted.

e) Candidates who have appeared for the final semester examination can also apply, provided he/she has passed all the subjects up to and including the 6th semester examination. Confirmation of admission of such candidates shall be subject to the

production of the qualifying Degree and henceforth satisfying conditions in the clauses 2 (a) to 2 (d) on or before the closure of admission or before a date to be prescribed by the College/University.

f) The qualifying Degree for admission shall be as listed below.

#	Department	M.Tech Stream	Eligible degree	Intake
1	Civil Engineering	Structural Engineering (SE)	Degree in Civil Engineering	18
		Transportation Engineering (TE)	Degree in Civil Engineering	18
		Environmental Science and Engineering (ESE)	Degree in Civil / Chemical / Mechanical / Environmental / Industrial / Automobile/ Production / Production cum Plant / Mechanical stream Automobile / Mechanical stream Production / Mechatronics Engineering, M.Sc in Chemistry/ Environmental Science/ Biochemistry/ Biotechnology/ Microbiology	18
2	Computer Science and Engineering	Computer Science and Engineering (CSE)	Degree in Computer Science and Engineering, Artificial Intelligence, Artificial Intelligence and Data Science, Artificial Intelligence and Machine Learning, Computer Science and Business Systems, Computer Science and Design, Computer Science and Engineering (Cyber Security), Computer Science and Engineering (Artificial Intelligence and Machine Learning), Computer Science and Engineering (Artificial Intelligence), Computer Science and Engineering (Data Science), Computer Science and Engineering (Digital Forensics and Cyber Security), Information Technology, Applied Electronics and Instrumentation, Electrical and Computer Engineering, Electronics and Computer Engineering, Computer Science and Engineering and Business Systems , MCA, MSc Computer Science, M Sc in Mathematics /statistics.	18
3	Electrical and Electronics Engineering	Power Control and Drives (PCD)	Degree in Electrical & Electronics Engineering	9
4	Electronics and Communication Engineering	Telecommunication Engineering (TCE)	Degree in Electronics and Communication Engineering	18
		IoT and Sensor Systems (ISS)	Degree in Electronics and Communication/ Instrumentation and Control/ Applied Electronics and Instrumentation/ Electrical and Electronics/ Computer Science and Engineering	18
5	Mechanical Engineering	Machine Design (MD)	Mechanical Engineering, Aeronautical Engineering, Automobile Engineering, Industrial Engineering, Mechanical Engineering (Automobile), Mechanical Engineering (Production), Mechatronics, Metallurgical and Materials Engineering, Production Engineering	18

g) Sponsored candidates from Industry, R&D organizations, National Laboratories as well as Educational Institutions, who have the requisite academic qualifications shall be eligible for admission to the M.Tech programme.

h) Candidates, who have passed AMIE/ AMIETE Examinations and satisfying the following conditions, are also eligible for admission.

1) They must have valid GATE score in the respective branch.
2) A minimum of 50% marks for Section B in AMIE/AMIETE examination.

i) Candidates, who have passed M.Sc degree examination in related streams from Universities approved by UGC, UGC approved Deemed to be Universities in India with a minimum of 60% marks are also eligible for admission, as listed in 2(f).

3. STRUCTURE OF THE M.TECH PROGRAMME

The M.Tech programme is structured on a credit based system following the semester pattern and is having the continuous assessment and evaluations. The duration of the programme is four semesters. The structure of the programme is adapted from the regulations of the affiliating University and improvised under the autonomy. There is a mandatory internship upto eight weeks for the students which can be done after the second semester examinations. The students can do their main project work either in the College or in any Government/CSIR/ industrial R&D organization/any other reputed Institute/Industry which have facilities for project work in the area proposed and will be governed by the regulations.

4. HOW TO APPLY

a) For admission to Government seats and Management seats, the candidates will have to apply directly to the College. Application forms shall be submitted online through the website of the College (www.mbcet.ac.in). Those applicants whose names figure in the rank list published by the Director of Technical Education, Government of Kerala, will be considered for the Government seats. All applicants will be considered for the Management seats. The following documents shall be uploaded by the candidates along with the application, as required.

1. Qualifying Degree certificate
2. Mark lists of each semester of the Degree course
3. Certificate of Standard X/ XII towards the proof of age, place of birth
4. Documents to prove eligibility for any sort of reservation or special consideration
5. GATE score card, if applicable
6. Copy of relevant page of DTE rank list, if applicable
7. Certificate of good conduct from the Institution last attended

b) The details of the online payment of the application fees of Rs. 500/-(Rupees Five Hundred only) must be furnished in the application.

c) Applications not accompanied by the proof for a particular claim will not be considered under that category.

d) Late applications/ incomplete applications/ applications not accompanied by relevant certificates/fees are liable to be rejected, without any further intimation to the applicant.

5. ALLOTMENT OF SEATS

a) Government seats: (50%of the seats for each stream)

Government seats will be filled as per the prospectus published by DTE for M.Tech admission, 2024.

b) Management seats: (50% of the seats for each stream)

Subject to the prevailing norms in this regard, 15% of the total number of seats in each stream of M.Tech are NRI seats.

6. ADMISSION

a) Applicants are advised to visit the College website for all further notifications and information on admission to the M.Tech courses in the academic year 2024-2025. Separate individual communication will not be sent to the applicants.

b) Selected candidates shall report to the College at the appointed time and date for admission.   Offer of admission shall stand cancelled in the event of failure to take admission at the appointed time.

c) Fees to be remitted at the time of admission are listed below.

1. Admission Fee: Rs.500/-
2. Tuition Fee/semester: Rs. 6,300/-
3. Special fees **/semester: Rs.5,000/-
4. Refundable Caution Deposit: Rs. 5,000/-
5. University Fee (Registration,
   Affiliation, Sports and Arts):   Actuals at University rates

    ** Fee for other facilities

d) Originals of all applicable documents/ certificates listed in section 4(a) shall be submitted at the time of admission. The following documents must also be submitted at the time of admission.

1. Transfer certificate from the previous institution
2. Migration certificate (As per Rules & Regulations of the affiliating University, if the qualifying degree is from other Universities).
3. Equivalency certificate issued by Association of Indian Universities (AIU), if the qualifying degree is from Universities outside India.
4. Two passport size photographs.

5. Printout of the Application Form and one set of self attested copies of the certificates as in section 4(a)

e) Furnishing of false information in the application would result in forfeiture of the candidature/ cancellation of admission, if admitted. In addition, it will attract the relevant provisions of the law of the land.

f) Management reserves the right to deny admission to any candidate even if he/she is otherwise eligible, and the reasons for the denial of admission will be recorded and informed to the applicant on request.

7. REFUND OF FEES AND LIQUIDATED DAMAGES

Refund of fees already paid, and the liquidated damages will be as per the provisions in the DTE notification.

8. IMPORTANT DATES

Please refer to the College website (www.mbcet.ac.in) for details about the Admission schedule.

9. SCHOLARSHIPS

AICTE Scholarships are available to students with valid GATE score, as per the prevailing Government of India norms.

10. NOTE

Management has the discretion to change any date connected with the admission process. If any item in this prospectus is found contrary to the provisions in the DTE notification for 2024 M.Tech admission, the provisions in the DTE notification will prevail. Any item not specifically covered in the prospectus will be as decided by the Principal and his decision shall be final. Any grievance/ complaint regarding selection and admission shall be brought to the notice of the Principal in writing.

PRINCIPAL