



# National Institute of Technology Calicut

NITC Campus (Post) Calicut-673 601, Kerala

## Notification for Admissions to Full-Time M. Tech. Programme in Electric Vehicle Engineering (EVE) under the Self-Sponsored & Sponsored<sup>1</sup> Categories for the Academic Year 2024-25

### 1. Introduction

NIT Calicut invites applications from eligible candidates for admission to the two-years (four semesters) full-time M. Tech. Programme in [Electric Vehicle Engineering \(EVE\)](#) under sponsored<sup>1</sup> and self-sponsored categories for the academic year 2024-2025. The candidates who fulfil the prescribed minimum eligibility criteria as given in the following section may apply for the same. Students admitted under the sponsored<sup>1</sup> and self-sponsored categories will not receive any financial aid/stipend or scholarship. In the sponsored category, working professionals from industries/organization/research institutions will be considered for admissions. The seat allocation for the M. Tech. programme is given in Table 1 below. The self-sponsored candidates are eligible to appear for campus placement interview coordinated by the [Centre for Career Development](#) in the institute.

**Table 1: M. Tech. Programme in Electric Vehicle Engineering and No. of Seats**

Programme Code	M. Tech. / M. Plan. programme	No. of seats	
		Self-sponsored	Industry Sponsored
EE66	Electric Vehicle Engineering	10	10

### 2. Eligibility for Admission to M.TECH. Programme in Electric Vehicle Engineering (Self-sponsored & Sponsored)

#### (a) Sponsored Category for working professions:

Candidates for admission to [M. Tech. EVE degree programme](#) under the sponsored<sup>1</sup> category should have passed B.E./ B. Tech. in Electrical Engineering/Electrical & Electronics Engineering/Automobile Engineering or equivalent discipline from an approved Institute/University with minimum 50% marks (or CGPA 5.0/10). In addition to the above qualifications, a minimum of 2 years of industrial/ research experience in the relevant

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<sup>1</sup> sponsored from Industries/R&D Organizations/Central and State Government Institutions/ Defence Organizations/ Other Reputed Private Organizations.

organizations is also mandatory at the time of submitting application for candidates seeking admissions under the sponsored<sup>1</sup> category. They need to upload a sponsorship certificate from the employer (in the format specified by NITC available in NITC website) along with the applications. Working professionals from Industries/Organization/research Labs with minimum 2 years of experience in the relevant **EVE** field may also be considered with basic B.E./ B. Tech. degree in Mechanical Engineering/Production Engineering/Electronics & Communication Engineering as per the above criteria.

### **(b) Self-sponsored Category**

Candidates for admission to **M. Tech. EVE degree programme** under the self-sponsored category should have passed B.E./ B. Tech. in Electrical Engineering/Electrical & Electronics Engineering/Automobile Engineering or equivalent discipline from an approved Institute/University with minimum 60% marks (or CGPA 6.0/10) for GEN/GEN-EWS/OBC and 55% marks (or CGPA 5.5/10) for SC/ST/PwD categories. Final semester under graduate students can also apply under the self-sponsored category provided their final semester marks are made available by 30th September 2024. Such candidates will be considered for provisional admission. Any candidate admitted provisionally will have to discontinue the course, if the candidate fails to produce the provisional degree certificate and mark lists (satisfying the minimum requirements of marks / CGPA) on or before 30th September 2024. Such candidates will not be eligible for any refund of fees paid by him/her.

**Selection of candidates for M. Tech. Programme in Electric Vehicle Engineering under the Self-Sponsored & sponsored<sup>1</sup> categories will be based on the performance of the candidate in the test and/or interview conducted by the Department of Electrical Engineering, NIT Calicut.**

### **3. Features of M.TECH. Programme in Electric Vehicle Engineering (EE66)**

The four-semester (two-year) M. Tech. Programme in EVE is based on the credit system. The programmes comprise several core and elective courses and project work. The M. Tech programme in **Electric Vehicle Engineering** has been designed to cater to the growing demand of skilled engineers in the EV industry. The program exposes students to meet the evolving needs of the automotive industry in its quest for integrating technological advances in hardware, power electronics, machine intelligence etc. The course covers power train drives and control, battery and storage technology, charging infrastructure and analysis, electric vehicle system engg. and policy, sensors for electric vehicle and embedded systems-design in the core with a range of electives from all relevant areas of transportation engineering and management, vehicular dynamics, communication, BMS and intelligent transport system, for which there is high industrial demand. Industry experts will also share their experience during classes. The theoretical foundations of the subjects are supported by laboratory practice, case studies and projects.

- A minimum of 75 credits need to be earned for the award of M. Tech. Degree and the candidates have to secure a pass Grade in all core courses and elective courses registered, as per the requirement.
- Slow pace learners (taking less number of courses/semester) shall complete the programme within 5 years, as per the NITC regulations.
- Lecture classes of theory courses, colloquium and simulation lab classes will be in the online mode and all other classes (hardware labs etc) will be in the offline mode conducted at NIT Calicut. Online classes will be held at a mutually convenient time to the course faculty and registered students.
- The major projects can be done in the sponsored industry or organization /the industry permitted by sponsoring organization/NITC labs.
- Evaluation of all theory courses, projects, colloquium and lab courses will be done in the offline mode at NITC.
- Attendance: Students have attended 80% of each course's online lectures/attended the offline labs etc .
- Ordinances and regulations of M Tech programme approved by the senate of NITC will be applicable for M. Tech. programme in Electric Vehicle Engineering as well.
- Evaluation: Continuous evaluation- by tests, quiz, assignments, course projects/seminar (up to maximum 50%) and End semester examination (50%) as decided by the course faculty and approved by class committee.

#### 4. Fee Structure

The fee structure for M. Tech (Self Sponsored & sponsored) Programme 2024-25 admissions is given below.

Fee Category		All Candidates			
<b>(a) Onetime fee at the time of admission#(Rs.)</b>					
Caution Deposit	20,000				
Admission Fee	5,000				
Library Fee	5,000				
Development Fee	12,000				
Association & Cultural fee	1,000				
Alumni Affairs Fee	2,000				
Seminar/Thesis Fee	1,500				
Career Development Fee	2,000				
Students Welfare Fee	1,000				
Convocation Fee	3,000				
<b>Total (a)</b>	<b>Rs. 52,500/-</b>				
<b>(b) Other Fee#(Rs.)</b>	<b>Monsoon Semester 2024-25</b>	<b>Winter Semester 2024-25</b>	<b>Monsoon Semester 2025-26</b>	<b>Winter Semester 2025-26</b>	
Tuition Fee	1,00,000	1,00,000	1,00,000	1,00,000	

Registration Fee	2,000	2,000	2,000	2,000
Examination Fee	2,000	2,000	2,000	2,000
Health Centre Facility Fees	1,200	-	1,200	-
Students Activities Fee	1,000	-	1,000	-
Sports Fees	1,000	-	1,000	-
Campus Amenities	1,200	-	1,200	-
Central Computing Facility Fee	1,000	-	1,000	-
Internet Fee	1,200	-	1,200	-
Mediclaime**	1,186	-	1,186	-
<b>Total (b)</b>	<b>Rs. 1,11,786</b>	<b>Rs.1,04,000</b>	<b>Rs. 1,11,786</b>	<b>Rs. 1,04,000</b>
<b>Total Amount during admission</b>	<b>Rs. 1,64,286/-</b>			

\*\* Mediclaime policy amount may vary year to year.

#Subject to revision every year.

## 5. How to Apply?

- Apply online using the following link:  
<https://dss.nitc.ac.in/MtechApp/mtechspons/loginsp.aspx>
- Register with your e-mail id and mobile number for creating a login in the online portal.
- Upload colored scan copy of the following documents in the portal.
  - Mark sheet of Class X
  - Photo ID proof as per Govt. of India norms.
  - Grade/Mark sheets of qualifying examination for all semesters (Mark sheets of all semesters/years need to be combined to a single pdf for uploading/ Consolidated Grade (Mark) sheet with all subjects mentioned in it).
  - Degree/ Provisional certificate. If result of qualifying degree is awaited, certificate of course completion from the institute/university last studied must be provided clearly indicating the date of completion of the course.
  - Candidates claiming percentage/CGPA relaxation as specified in the eligibility conditions should produce the relevant category certificate as detailed below.
    - Community Certificate, in the case of SC/ST candidate, from a competent authority (not below the rank of Tahsildar).
    - Certificate from the Medical Board of Govt. Medical Colleges/Dist. Head Quarters Hospitals, in the case of Persons with Disabilities (PwD), if applicable.
  - Recent PHOTOGRAPH (Maximum of 120 kB).
  - For sponsored candidates, a sponsorship certificate duly filled by the sponsoring authority on their letter head with the seal of the sponsoring authority in the prescribed format.**
- Application registration fee payment can be made using Net Banking/Credit Card/SBI Challan (by cash) through State Bank Collect (online) at the following link by choosing the payment category as **PG (Self-sponsored/Sponsored) APPLICATION FEE MONSOON 2024-25.**

<https://www.onlinesbi.com/sbicollect/icollecthome.htm?corpID=365553>

(Select Kerala → Educational Institutions → Director, National institute of Technology Calicut → **PG (Self-sponsored/Sponsored) APPLICATION FEE MONSOON 2024-25**). After successful completion of the fee payment, save the fee payment receipt for uploading along with the application form. Application fee for OP/EWS/OBC is Rs. 1000/- while that for SC/ST/PwD is Rs. 500/-. APPLICATION FEE IS NON-REFUNDABLE.

**Note:**

1. If the original certificates are not in English/Hindi, English/Hindi version/translation of such certificates, duly certified by the Principal/Director or other competent authority of the graduating Institute, will be required during the verification of documents.
2. Standard format of the necessary certificates are available in the following link <https://nitc.ac.in/pg-formats-of-certificates>
3. Applications which are incomplete/defective/received late, will be rejected summarily and no correspondence will be entertained on such applications. The instructions for online submission of application are available in the online admission portal.

**5. Important Dates**

<b>Events</b>	<b>Dates</b>
Availability of Online Application in Institute website	<b>08 April 2024</b>
Last Date for Receipt of Completed Applications (through online)	<b>05 May 2024 (23:59 pm)</b>
Test and/or Interview	<b>To be announced later</b>

**LEGAL JURISDICTION**

All disputes pertaining to the counseling and admission for the M.Tech. Self-Sponsored & sponsored programmes of NIT Calicut shall fall within the jurisdiction of High Court of Kerala only.

## DISCLAIMER

The statement made in the information brochure and all other information contained herein is believed to be correct at the time of publication. However, the Institute reserves the right to make, at any time without notice, changes and additions to the regulations, conditions governing the admission, requirements, seats, fees and any other information, or statements contained in this information brochure. No responsibility will be accepted by the Institute/Chairperson-PG Admissions for hardship or expenses encountered by students/any other person for such changes, additions, omissions or errors, no matter how they are caused.

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