

APJ Abdul Kalam Technological University

(A State Government University)

Prospectus for Admission to M.Tech programmes in the Schools of the APJ Abdul Kalam Technological University for the Academic Year 2025-26



**OFFICE OF THE UNIVERSITY SCHOOLS
APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY
CET CAMPUS P.O., THIRUVANANTHAPURAM – 695 016
Kerala, India**

Mobile: +91 91885 23326

E-mail: admission-pg@ktu.edu.in

www.ktu.edu.in

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Prospectus for Admission to M.Tech Programmes in the Schools of the APJ Abdul Kalam Technological University for the Academic Year 2025-26

APJ Abdul Kalam Technological University (APJAKTU) invites applications from enterprising and ambitious engineering minds to join the post graduate programmes conducted by the University Schools for the Academic Year 2025-26.

Start date of application	03.06.2025
Last date for submission of application	16.06.2025
Date of Entrance Test/Interview for Non-GATE students	Will be announced later

1. Introduction

APJ Abdul Kalam Technological University (APJAKTU), established in 2014, by an Act of the legislature of the State of Kerala, the University aims to provide leadership in technology related policy formulation and the strategic planning of engineering education within the State of Kerala. The University is committed to enhance the academic standards at the graduate, postgraduate, and research levels in engineering sciences, technology, and management. It promotes the advancement and dissemination of knowledge through research and fosters innovation in curriculum development aligned with technological progress. Further, it aims to support continuous knowledge upgrading in a rapidly evolving society, leveraging modern communication technologies to build a skilled, learning-oriented community.

2. Why Choose the Schools of APJ Abdul Kalam Technological University?

- **Highly Qualified Faculty:** Learn from a team of distinguished academicians qualified from reputed institutions at the national and international level, committed to academic excellence and advanced research.
- **Student Friendly Curriculum and Outcome-based Education:** Experience a student-friendly benchmarked curriculum, designed to promote startups and entrepreneurship with a strong focus on outcome-based education.
- **Centres of Excellence:** Associate with the three Centres of Excellence being established by the university.
- **Translational Research Centre (TRC):** Access opportunities to transform innovative ideas into reality through the proposed University's TRC.
- **State-of-the-Art Learning Centre:** The upcoming academic and administrative facility at Vilappilsala Campus will offer extensive teaching learning environments with modern amenities.
- **Prime Location:** Study at a strategically located campus in Thiruvananthapuram, (with proximity to leading research institutes) closer to premier research institutes and innovation hubs.

3. Schools of APJ Abdul Kalam Technological University

The University expanded its domain by starting University schools in 2024, namely, School of Building Sciences and Technology, School of Communication Sciences and Technology, School of Electrical Sciences and Technology, and School of Mechanical Sciences and Technology with the following M.Tech programmes.

3.1. School of Building Sciences and Technology

M.Tech in Infrastructure Engineering and Management

Infrastructure plays a crucial role in every nation's progress and prosperity. The need to transform a country's infrastructure through mega scale projects involving state-of-the-art technologies demand a supply of trained manpower who can design, engineer, work and manage such projects. Mass rapid transit systems receive increased attention in the context of the world drive for sustainable and less energy intensive transport systems. The programme covers the topics related to new and sustainable construction materials, development and design of sustainable and socially responsible development models, automation in construction sector, data driven approaches and more.

There is a growing demand for innovative and sustainable construction materials, along with a need for alternative options that can complement or replace conventional ones through research. The programme content, academic projects and subject modules of the post graduate programme are meticulously designed to align with the current demands of both industry and academic. Thus, this Postgraduate programme aims to address the changing infrastructure requirements of our times.

3.2. School of Communication Sciences and Technology

M.Tech in Embedded Systems Technologies

Embedded systems are integral to modern technological advancements, playing a critical role in applications such as consumer electronics, automotive systems, industrial automation, and medical devices. The M.Tech programme in Embedded System Technologies provides a comprehensive understanding of embedded systems' theoretical and practical aspects, focusing on the design, development, and deployment of embedded solutions.

This programme lies at the intersection of computer science, electronics, and control engineering, offering in-depth knowledge of microprocessor and microcontroller architectures, real-time operating systems, and hardware-software co-design. Students learn to design and implement embedded systems using various programming languages, development tools, and hardware platforms, ensuring proficiency in coding, debugging, and optimizing embedded software.

The programme also encourages research and innovation, preparing students for careers in industry and academia with skills in problem-solving, critical thinking, teamwork, and effective communication.

3.3. School of Electrical Sciences and Technology

M.Tech in Electric Vehicle Technology

Transportation electrification is rapidly growing due to the the context of increased demand for alternatives for Internal Combustion (IC) engine driven transport systems aimed at for combating climate change. The electric vehicle (EV) ecosystem is being strengthened by significant research in battery technology and drive-train design.

Advances in the battery chemistry and technology alongwith improvements in manufacturing technology have led to a significant reduction in battery cost, and weight while improving energy density. As a result EVs have thus emerged as a significant alternative to conventional vehicles. As electric vehicles become more integrated with renewable energy and digital technologies like AI and IoT, the future scope of this field is expected to grow rapidly

It is envisaged that different subsystems of EVs, in particular, battery technology/energy storage systems, electric drive train, and sensor networks will continue their improvement cycle for the next several years. These technologies also find application in mass rapid transit systems, aeronautical systems, and marine vehicles. Extending electrification to air, water, rail and road modes of transport can bring about greater demands for engineers and researchers specialized in electric vehicle technologies. This postgraduate programme aims to address the needs of the electric vehicle research and development of the industry.

3.4. School of Mechanical Sciences and Technology

M.Tech in Mechanical and Materials Technology

The introduction of new technologies has been transforming and revolutionizing automation of many processes eliminating the need for human intervention in hazardous environments. This shift warrants the development of products, machines and tools suitable for such situations.

Materials Technology is an interdisciplinary discipline which focuses on the use of materials and production technologies to design, produce and optimize existing products, as well as to develop new ones. Developing innovative products and processes to address the needs of the industry requires research in the areas of nanomaterials, rare-earth minerals, computational material science, macro/nano fluidics and hybrid materials. Incorporation of mechatronic systems in conventional machinery also demands further studies and research.

This postgraduate programme is designed to cater to such research and development needs in Mechanical and Materials Technology.

4. PG Admission 2025-26

The University is offering four M.Tech programmes approved by AICTE, through the Schools of the University for the Academic Year 2025-26. All programmes are regular, full-time, and have a duration of 2 years, consisting of four semesters. The program of study requires regular attendance and the completion of the requisite number of credits as specified in the regulations.

Sl. No.	Name of the University School	Name of the Programme	Total Seats
1	School of Building Sciences and Technology	M.Tech in Infrastructure Engineering and Management	18
2	School of Communication Sciences and Technology	M.Tech in Embedded Systems Technologies	18
3	School of Electrical Sciences and Technology	M.Tech in Electric Vehicle Technology	18
4	School of Mechanical Sciences and Technology	M.Tech in Mechanical and Materials Technology	18

5. Admission Criteria

Admissions to the above programmes are based on valid GATE scores. In the absence of such candidates on the basis of rank obtained in the Entrance Test (APJAKTU-HEAT) OR Interview conducted by the University. There is no upper age limit for admission to these programmes.

Note

- In the case of candidates having identical scores (GATE/University Entrance/Interview), then the percentage of marks in the qualifying degree will also be considered for the preparation of final rank list.*
- If Qualifying Degree Marks are also identical, the Date of Birth will be considered (a person born earlier will get a higher preference).*

6. Nativity

The candidate must be an Indian Citizen. Candidates seeking admission to M.Tech programmes will be categorized as Keralite and Non-Keralite Category.

- (i) **Keralite:** A candidate of Kerala origin will be categorized as a 'Keralite'. A candidate will be considered as 'Keralite' for the limited purpose of admission procedure. Only candidates belonging to Keralite category are eligible for claiming seats under Mandatory Reservation Quota. Documents to prove the candidate belonging to Kerala origin are as given.

- i. The relevant page of the Secondary School Leaving Certificate of the candidate showing the place of birth in Kerala

OR

- ii. The relevant page of the Secondary School Leaving Certificate of either of the parents of the candidate showing Place of Birth in Kerala with a corroborative certificate to establish the relationship between parent and the candidate.

OR

- iii. The relevant page of the Passport of the candidate, issued by the Government of

India, showing the Place of Birth in Kerala or of either of the parents of the candidate showing the place of Birth in Kerala with a corroborative certificate to establish the relationship between the parent and the candidate.

OR

- iv. A certificate of birth from the authority competent to register birth (Panchayat /Municipality /Corporation) showing the candidates or either of the parents (in which case a corroborative certificate to establish the relationship between the parent and the candidate is necessary) place of birth in Kerala, to be issued by a competent registering authority.

OR

- v. A certificate from the concerned Village Officer/ Tahsildar in Kerala to show that the candidate or his/her father/mother was born in Kerala.

OR

- vi. A certificate from the competent authority showing that the parent of the candidate is an All-India Service officer allotted Kerala cadre.

- (ii) **Non-Keralite:** Those who do not belong to Keralite category will be considered as non-Keralites. ***They will not be eligible for any type of reservation and fee concession.*** Certificate from a Village Officer or a competent authority showing that the candidate is a native of any State or Union Territory of India should be produced at the time of admission. Birth certificate issued by the competent authority/passport/school certificate-showing place of birth will also be accepted as proof of nativity.

7. Reservation

Reservation of seats will be as per Kerala Government Norms. The reservation category shall be as provided in **Appendix III**. Claims for Mandatory Reservations must be made by a candidate at the time of submission of online application. Candidates seeking reservation for admission shall specify the category of reservation in the relevant columns in the application.

- a. Candidates seeking reservation under the SC/ST category listed in **Annexure I and II** must obtain a valid Caste/Community Certificate from the Village Officer/Tahsildar and should submit it at the time of admission.
- b. Candidates belonging to Ezhava, Muslim, Other Backward Hindus, Latin Catholic/SIUC, and Other Backward Christian communities listed in **Annexure IV**, claiming reservation under the SEBC quota should invariably obtain a Non-Creamy Layer Certificate from the Village Officer/Tahsildar and should submit it at the time of admission.
- c. Candidates seeking reservation under Economically Weaker Sections among forward communities (EWS) shall obtain EWS certificate from the Village Officer/Revenue authority concerned and should submit it at the time of admission.
- d. Candidates with benchmark disabilities (as specified in the Rights of Persons with Disabilities Act, 2016), seeking admission under PWD category shall submit the 'Certificate of disability', issued not earlier than 5 years prior to the submission of application, by the District Medical Board or bodies of higher status, certifying the degree of percentage of disability or Permanent Disability Card issued by the

concerned authority of State Government and should submit it at the time of admission.

8. Eligibility for Admission

8.1 Academic Eligibility:

The candidates should have qualified a Bachelor's Degree under the 10+2+4/10+3+3 scheme from the APJ Abdul Kalam Technological University or an equivalent degree in the appropriate branch from a University/Deemed to be University/institution approved by AICTE/UGC/Government. Those who are awaiting final semester/year results of qualifying examination can also apply.

8.2 Eligibility Criteria:

- (i) **Bachelor's Degree** in Engineering/Technology/Engineering Science with a minimum CGPA of 6.0 on a 10-point scale **or** 60% aggregate marks.
- For SC/ST and PWD candidates, a pass in the Engineering Degree is sufficient.
 - For SEBC/OEC candidates, a minimum CGPA of 5.5 or 55%
- AND**
- Valid GATE score in the appropriate branch
- OR**
- Included in the rank list of Entrance Test/Interview published by the University
- OR**
- (ii) First Class **Master's degree** with appropriate specialization from APJ Abdul Kalam Technological University or equivalent degree in the appropriate branch from a University/Deemed to be University/Institution approved by AICTE/UGC/Government, through regular study under the 10+2+3+2/10+2+3+3 scheme.
- AND**
- Valid GATE score in the appropriate branch
- OR**
- Included in the rank list of APJAKTU Entrance Test/Interview
- OR**
- (iii) Pass in AMIE/AMIETE examinations and meet the following conditions:
- a. Have a valid GATE score.
 - b. Should have passed Section A of AMIE/AMIETE and achieved a minimum CGPA of 6.0 on a 10-point scale **or** minimum 60% marks in section B of the AMIE/AMIETE examination

Note:

- a. Result awaiting students shall upload mark list upto 6th semester with CGPA. They required to submit Consolidated grade card and Provisional Degree certificate to prove the eligibility of qualifying examination on the date prescribed by the University, failing which they will not be considered for admission.
- b. The candidates who have obtained Bachelor/Master Degree from a foreign University in an appropriate branch shall produce an equivalency certificate from the APJAKTU or any other University within Kerala offering engineering programmes.

c. The AMIE/AMIETE candidates who have no valid GATE score shall not be considered for admission.

(See Appendix I read with Table I and Appendix II read with Table II).

8.3 Indulgence in Ragging as Disqualification:

Applicants found guilty of ragging in the past or during their academic tenure will be denied admission or expelled. An undertaking as specified in **Annexure V** in accordance with the directives of the Hon'ble Supreme Court of India shall be submitted at the time of admission.

9. Admission Schedule

The admission process will start on the date as mentioned at Clause (1) in the prospectus and will be completed based on the date in the academic calendar published by AICTE for the Academic Year 2025-26 and its amendments.

9.1 Registration: Candidates shall register in the online application portal with details sought therein.

9.2 Application Form: The candidates shall fill up personal details and complete the application form available in the online portal and upload scanned copies of supporting documents (educational qualification, reservation etc.), signature and photograph. After successful submission, candidates should download and print a copy of the completed application form for future. ***Do not send the printout of the application form and supporting documents to the University/University Schools by post/ e-mail/ in person.***

9.3 Registration Fee: The registration fee shall be paid at the following rates. The fee once remitted is non-refundable under any circumstances.

Category	Estd.	Registration Fee
SC/ST		Rs.400/-
Others	2014	Rs.800/-

9.4 Entrance Test/Interview: Non-GATE candidates must take the Entrance Test/Interview for admission. The entrance test will be objective type and in English language. The date and time, details of exam centres and syllabus for entrance test/interview will be published on the University website.

9.5 Publication of Rank list: Rank list for admission will be published in the University website.

9.6 Allotment: The allotment list will be published in the University website. All candidates included in the Rank List are considered for allotment under Open Merit/Community Merit subject to availability of seats. The allotment of seats under Open Merit will be purely on a merit basis irrespective of the Category/Community to which the candidates belong.

9.7 Vacancy in Reservation seats: If sufficient candidates are not available to fill the seats reserved for a particular category, the same will be allotted under the Open Merit quota as detailed below.

- a. The seats unavailed by the Scheduled Castes candidates will go to the Scheduled Tribes candidates and vice versa.
- b. The seats unavailed by the SC/ST candidates will go to Other Eligible Community (OEC) candidates included in **Annexure III** of the Prospectus. The seats that still remain unavailed will go to the State Merit Quota.
 - *Other Eligible Community (OEC) candidates listed in Annexure III who claims allotment to the un-availed seats, if any, under the SC/ST quota should furnish Community and Income certificates obtained from the Village Officer/Tahsildar concerned.*
- c. The seats unavailed by the SEBC category candidates will be allotted under State Merit.
- d. The seats unavailed by the EWS category candidates will be allotted under State Merit.
- e. If any seat, in any special reservation quota including PWD quota, is left unavailed it will go to State Merit.

9.8 Spot Admission in Vacant Seats: Unfilled seats after the allotment will be filled through spot admissions as decided by the University. All students on the rank list are eligible to appear for online spot admissions, if any.

- *All the above provisions are general in nature, and reservations will be subject to the rules of the State Government in force at the time of admission. Communal and other reservations will be granted only upon satisfactory verification of the required certificates in original at the time of admission.*

10. Other Relevant Information

Candidates must report for admission to the University Schools only after receiving official communication from the University. At the time of reporting, candidates should bring the following original documents.

- | |
|--|
| <ol style="list-style-type: none"> (i) Copy of completed online Application Form (ii) Admission Memo. (iii) Certificate to prove Date of Birth. (iv) Transfer Certificate (TC) and Conduct Certificate from the last attended Institution. (v) Consolidated mark list of the Degree examination and Provisional/Degree Certificate. (vi) In the case of under-graduation from a foreign university, an equivalency certificate issued from APJ Abdul Kalam Technological University or any other University within Kerala offering engineering programmes. (vii) Migration Certificate in case of candidates who have passed their qualifying examination from other Universities. (viii) Caste/Community Certificates for candidates under SC/ST category (ix) Non-Creamy Layer Certificate in the case of SEBC candidates (x) GATE score card for GATE qualified candidates. (xi) Undertaking from the students as per the provisions of Anti-ragging verdict by the Hon'ble Supreme Court of India (Annexure V) (xii) Any other documents required to be produced by the University. |
|--|

****Candidates shall report for admission on the date and time prescribed by the University.***

11. Fee and Caution Deposit

At the time of allotment/admission, candidates must remit the requisite fees as required by the University. Details of the fee will be provided in the allotment / admission Memo (see **Appendix IV**).

- a) **Fee Exemptions for SC/ST Candidates:** Candidates belonging to SC/ST categories are exempted from the payment of fee at the time of admission.
- b) **Caution Deposit:** All admitted candidates including candidates belonging to SC/ST are required to pay the Caution Deposit.

12. Other Items

The University reserves the right to modify any content of this prospectus, if deemed necessary. Hence candidates are advised to regularly check the University website for updates on the information regarding the admission process. Any matters not specifically covered in this prospectus will be decided by the University and the decision of the University in such matters shall be final.

Director

For any queries, please write to: **admission-pg@ktu.edu.in**

Visit www.ktu.edu.in

Mobile: +91 91885 23326

Appendix I

GATE candidates (Selection based on GATE score)

School	PG Programme Specialization	GATE Discipline Eligible	Basic Qualifying Degree
School of Electrical Sciences and Technology	Electric Vehicle Technology	EE/EC	Bachelor's degree in Electrical Engineering /Bachelor's degree in Electrical Engineering and *allied branches/ Electronics and Communication Engineering and *allied branches/ Computer Science and Engineering and *allied branches/ Mechanical Engineering and *allied branches/ AMIE in Electrical Engineering/ AMIETE in Electronics and Telecommunications Engineering / MSc in Electronics/ Physics
School of Communication Sciences and Technology	Embedded Systems Technologies	EC/EE/ IN/BM/CS	Bachelor's degree in Electronics and Communication Engineering and *allied branches / Electrical Engineering and *allied branches/Computer Science and Engineering/Mechanical Engineering/Biomedical Engineering and *allied branches. AMIE in Electronics and Communication Engineering/ AMIETE in Electronics and Telecommunications Engineering /MSc in Electronics/Physics
School of Building Sciences and Technology	Infrastructure Engineering and Management	CE/AR/ES/ GE	Bachelors Degree in Civil Engineering and *allied branches/ Planning/Geomatics Engineering and *allied branches/ Environmental Science and Engineering and *allied branches/ Architecture and Planning and *allied branches/ AMIE in Civil Engineering
School of Mechanical Sciences and Technology	Mechanical and Materials Technology	ME/MT/AE/ PI/XE with XE-C as one of the optional	Bachelor's degree in Mechanical Engineering and *allied branches/AMIE in Mechanical Engineering/MSc in Materials Science

*See Table I – Allied branches

Table I

Allied branches (As applicable to GATE qualified candidates)

PG Programme Specialization	Core/Relevant/ Appropriate Branch	Allied Branch
Electric Vehicle Technology	Electrical Engineering	Electrical and Electronics Engineering
		Electrical Engineering
		Electrical and Computer Engineering
		Electrical and Electronics (Power System)
		Electrical and instrumentation Engineering
		Electrical and Mechanical Engineering
		Electrical Engineering (Electronics and Power)
		Electrical Engineering (Industrial Control)
		Electrical Engineering (Instrumentation and Control)
		Electrical Engineering and Electric Vehicle Technology
	Electronics and Communication Engineering	Electrical Engineering industrial Control
		Electrical Power System
		Electronics and Communication Engineering
		Applied Electronics and Instrumentation
		Electronics & Biomedical Engineering
		Electronics and Communication (Advanced Communication Technology)
		Electronics Engineering (VLSI Design and Technology)
		Electronics and Computer Engineering
		Electronics and Instrumentation Engineering
		Instrumentation & Control Engineering
	Computer Science and Engineering	Robotics and Artificial Intelligence
		Robotics and Automation
		Artificial Intelligence
		Artificial Intelligence and Data Science
		Artificial Intelligence and Machine Learning
		Computer Science and Engineering
		Computer Science and Engineering (Artificial Intelligence)
		Computer Science and Engineering (Artificial Intelligence and Machine Learning)
		Computer Science and Engineering (Artificial Intelligence and Data Science)
		Computer Science and Engineering (Internet of Things)
	Mechanical Engineering	Computer Science and Engineering (IoT)
		Mechanical Engineering
		Mechanical Engineering (Automobile)
		Mechanical Engineering (Auto)
		Mechatronics
		Automobile Engineering
		Robotics and Automation

Embedded Systems Technologies	Electronics and Communication Engineering	Electronics and Communication Engineering
		Applied Electronics and Instrumentation
		Electronics & Biomedical Engineering
		Electronics and Communication (Advanced Communication Technology)
		Electronics Engineering (VLSI Design and Technology)
		Electronics and Computer Engineering
		Electronics and Instrumentation Engineering
		Instrumentation & Control Engineering
		Robotics and Artificial Intelligence
		Robotics and Automation
	Electrical Engineering	Electrical and Electronics Engineering
		Electrical Engineering
		Electrical and Computer Engineering
		Electrical and Electronics (Power System)
		Electrical and instrumentation Engineering
		Electrical and Mechanical Engineering
		Electrical Engineering (Electronics and Power)
		Electrical Engineering (Industrial Control)
		Electrical Engineering (Instrumentation and Control)
		Electrical Engineering and Electric Vehicle Technology
	Biomedical Engineering	Electrical Engineering industrial Control
		Electrical Power System
		Biomedical Engineering
		Biomedical Instrumentation
		Electronics and Biomedical Engineering
		Biomedical and Robotics Engineering
		Building and Construction Technology
Infrastructure Engineering and Management	Civil Engineering	Civil and Environmental Engineering
		Civil and infrastructure Engineering
		Civil and Rural Engineering
		Civil and Water Management Engineering
		Civil Engineering
		Civil Engineering (Construction Technology)
		Civil Engineering (Environmental Engineering)
		Civil Engineering and Planning
		Civil Engineering Environment and Pollution Control
		Civil Engineering with Computer Application
		Civil Environmental Engineering
		Civil Technology
		Construction Automation
		Construction Engineering
		Construction Engineering and Management
		Construction Technology
		Construction Technology and Management
		Structural Engineering

	Geomatics Engineering	Geo informatics
		Geospatial Technology and Geoinformatics
	Environmental Science & Engineering	Energy and Environmental Management
		Environment Engineering
		Environmental Engineering
		Environmental Science and Engineering
		Environmental Science and Technology
	Architecture and Planning	Architecture and Interior Decoration
		Civil Engineering and Planning
		Digital Techniques For Design and Planning
		Facilities and Services Planning
Mechanical and Materials Technology	Mechanical Engineering	Mechanical Engineering
		Mechanical Engineering (Automobile)
		Mechanical Engineering (Auto)
		Mechanical Engineering (Production)
		Mechanical (CAD/CAM/CIM)
		Mechatronics
		Mechatronics Engineering
		Manufacturing Engineering
		Material Management
		Metallurgy
		Metallurgical Engineering
		Metallurgical and Materials Engineering
		Production Engineering
		Aerospace Engineering
		Aeronautical Engineering
		Aircraft Maintenance Engineering
		Automobile Engineering
		Ceramic Technology
		Ceramics Engineering
		Polymer Engineering
		Robotics / Robotics and Automation
		Robotics and Artificial Intelligence

**Applicable to GATE qualified candidates*

Appendix II

Qualification for Non-GATE Candidates

School	PG Programme Specialization	Basic Qualifying Degree
School of Electrical Sciences and Technology	Electric Vehicle Technology	Bachelor's degree in Electrical Engineering and #allied branches
School of Communication Sciences and Technology	Embedded Systems Technologies	Bachelor's degree in Electronics and Communication Engineering and #allied branches
School of Building Sciences and Technology	Infrastructure Engineering and Management	Bachelor's degree in Civil Engineering and #allied branches
School of Mechanical Sciences and Technology	Mechanical and Materials Technology	Bachelor's degree in Mechanical Engineering and #allied branches

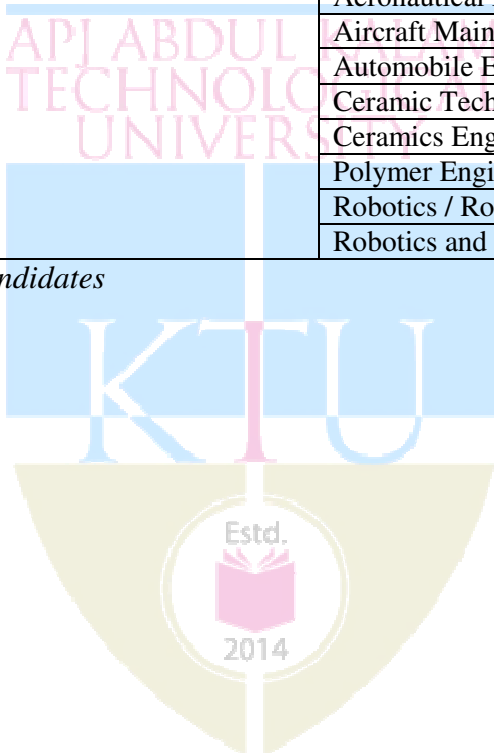
[#]See Table II – Allied branches

Table II
Allied branches (As applicable to non-GATE candidates)

PG Programme Specialization	Core/Relevant/Appropriate Branch	Allied Branch
Electric Vehicle Technology	Electrical Engineering	Electrical and Electronics Engineering
		Electrical Engineering
		Electrical and Computer Engineering
		Electrical and Electronics (Power System)
		Electrical and instrumentation Engineering
		Electrical and Mechanical Engineering
		Electrical Engineering (Electronics and Power)
		Electrical Engineering (Industrial Control)
		Electrical Engineering (Instrumentation and Control)
		Electrical Engineering and Electric Vehicle Technology
		Electrical Engineering industrial Control
		Electrical Power System
Embedded Systems Technologies	Electronics and Communication Engineering	Electronics and Communication Engineering
		Applied Electronics and Instrumentation
		Electronics & Biomedical Engineering
		Electronics and Communication (Advanced Communication Technology)
		Electronics Engineering (VLSI Design and Technology)
		Electronics and Computer Engineering
		Electronics and Instrumentation Engineering
		Instrumentation & Control Engineering
		Robotics and Artificial Intelligence
		Robotics and Automation
Infrastructure Engineering and Management	Civil Engineering	Building and Construction Technology
		Civil and Environmental Engineering
		Civil and infrastructure Engineering
		Civil and Rural Engineering
		Civil and Water Management Engineering
		Civil Engineering
		Civil Engineering (Construction Technology)
		Civil Engineering (Environmental Engineering)
		Civil Engineering and Planning
		Civil Engineering Environment and Pollution Control
		Civil Engineering with Computer Application
		Civil Environmental Engineering
		Civil Technology
		Construction Automation
		Construction Engineering
		Construction Engineering and Management
		Construction Technology
		Construction Technology and Management
		Structural Engineering

Mechanical and Materials Technology	Mechanical Engineering	Mechanical Engineering
		Mechanical Engineering (Automobile)
		Mechanical Engineering (Auto)
		Mechanical Engineering (Production)
		Mechanical (CAD/CAM/CIM)
		Mechatronics
		Mechatronics Engineering
		Manufacturing Engineering
		Material Management
		Metallurgy
		Metallurgical Engineering
		Metallurgical and Materials Engineering
		Production Engineering
		Aerospace Engineering
		Aeronautical Engineering
		Aircraft Maintenance Engineering
		Automobile Engineering
		Ceramic Technology
		Ceramics Engineering
		Polymer Engineering
		Robotics / Robotics and Automation
		Robotics and Artificial Intelligence

#Applicable to non-GATE candidates



Appendix III

Percentage Break-up of Seats as per Mandatory Reservation


The seats are distributed as per the mandatory reservation principle as contemplated in G.O. (P) No.208/66/Edn. dated 2.5.1966, G.O.(Ms)No.95/08/SCSTDD Dated 06.10.2008, GO(Ms) No. 10/2014/BCDD dated 23.05.2014 and G.O.(MS)No.128/2020/HEDN dated 20.03.2020 and as modified from time to time. To ensure the eligible percentage of reservation for all communities, the rotation of category is done with seat matrix every year. After allotting seats as per seat matrix, the remaining fraction (positive/negative) of each year will be carried over to the next year.

Sl. No.	Category	% of Reservation
(A)	Open Merit (OM)	50%
(B)	Economically Weaker Sections among forward communities (EWS)	10%
(C)	Socially and Educationally Backward Classes (SEBC)	30%
	Ezhava (EZ)	9%
	Muslim (MU)	8%
	Other Backward Hindu (BH)	3%
	Latin Catholic and Anglo Indian (LA)	3%
	Dheevera and related communities (DV)	2%
	Viswakarma and related communities (VK)	2%
	Kusavan and related communities (KN)	1%
	Other Backward Christian (BX)	1%
	Kudumbi (KU)	1%
(D)	Scheduled Castes & Scheduled Tribes	10%
	Scheduled Castes (SC)	8%
	Scheduled Tribes (ST)	2%

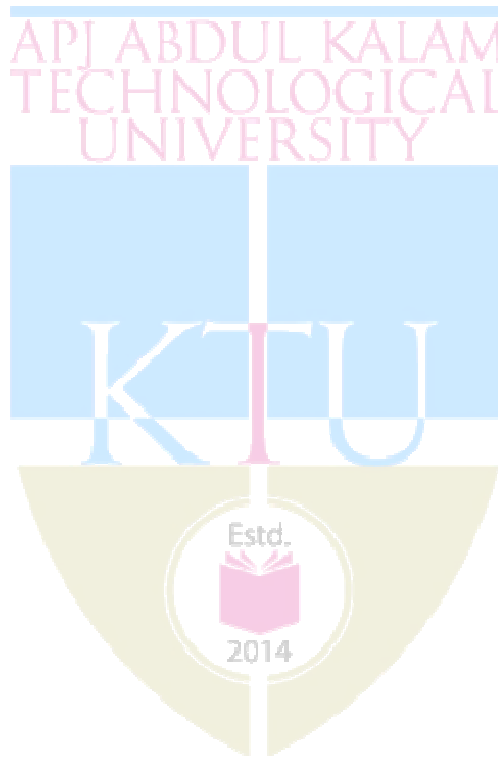
Note: Candidates seeking reservation shall obtain supporting certificate/s issued by competent authorities as detailed at Clause (6) in the prospectus and produce the same at the admission.

Appendix IV

Fee Structure

Category 	GATE	Non-GATE
Fee per semester	Rs.25,000/-	Rs.25,000/-
Caution Deposit	Rs.5,000/- for all categories	

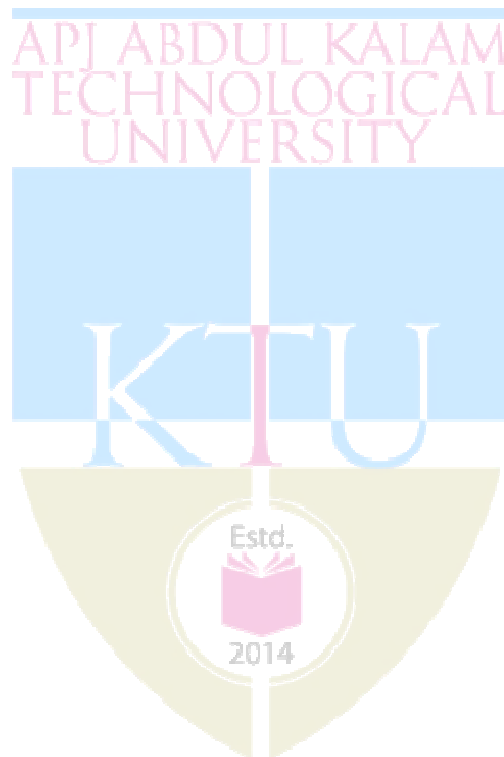
**Candidates belonging to SC/ST communities allotted against merit seats/ reserved seats are exempted from payment of fee at the time of admission. However, they required to pay the Caution Deposit at the time of admission.*



Annexure I - List of Scheduled Castes (SC)

1	Adi Andhra	31	Koosa
2	Adi Dravida	32	Kootan, Koodan
3	Adi Karnataka	33	Kudumban
4	Ajila	34	Kuravan, Sidhanar, Kuravar, Kurava, Sidhana
5	Arunthathiyar	35	Maila
6	Ayyanavar	36	Malayan (In the areas comprising Kannur, Kasaragod, Kozhikode and Wayanad Districts)
7	Baira	37	Mannan, Pathiyan, Perumannan, Peruvannan, Vannan, Velan
8	Bakuda	38	xxx
9	xxx	39	Moger (other than Mogeyar)
10	Bathada	40	Mundala
11	xxx	41	Nalakeyava
12	Bharathar (Other than Parathar), Paravan	42	Nalkadaya
13	xxx	43	Nayadi
14	Chakkiliyan	44	xxx
15	Chamar, Muchi	45	Pallan
16	Chandala	46	Palluvan, Pulluvan
17	Cheruman	47	Pambada
18	Domban	48	Panan
19	xxx	49	xxx
20	xxx	50	Paraiyan, Parayan, Sambavar, Sambavan, Sambava, Paraya, Paraiya, Parayar
21	xxx	51	xxx
22	Gosangi	52	xxx
23	Hasla	53	xxx
24	Holeya	54	Pulayan, Cheramar, Pulaya, Pulayar, Cherama, Cheraman, Wayanad Pulayan, Wayanadan Pulayan, Matha, Matha Pulayan
25	Kadaiyan	55	xxx
26	Kakkalan, Kakkan	56	Puthirai Vannan
27	Kalladi	57	Raneyar
28	Kanakkan, Padanna, Padannan	58	Samagara
29	xxx	59	Samban
30	Kavara (other than Telugu speaking or Tamil speaking Balija Kavarai, Gavara, Gavarai, Gavarai Naidu, Balija Naidu, Gajalu Balija or Valai Chetty)	60	Semman, Chemman, Chemmar

61	Thandan (excluding Ezhuvas and Thiyyas who are known as Thandan in the erstwhile Cochin and Malabar areas) and (Carpenters who are known as Thachan in the erstwhile Cochin and Travancore State), Thachar (Other than Carpenters)	66	xxx
62	Thoti	67	Vetan
63	Vallon	68	Vettuvan, Pulaya Vettuvan (in the areas of erstwhile Cochin State only)
64	Valluvan	69	Nerian
65	xxx		



Annexure II
List of Scheduled Tribes (ST)

1	Adiyan	23	Malakkuravan
2	Arandan [Arandan]	24	Malasar
3	Eravallan	25	Malayan, Nattu Malayan, Konga Malayan (excluding areas comprising the Kasaragod, Kannur, Wayanad, and Kozhikode Districts)
4	Hill Pulaya, Mala Pulayan, Kurumba Pulayan, Karavazhi Pulayan, Pamba Pulayan	26	Malayarayar
5	Irular, Irulan	27	Mannan
6	Kadar [Wayanad Kadar]	28	xxx
7	xxx	29	Muthuvan, Mudugar, Muduvan
8	Kanikkaran, Kanikkar	30	Palleyan, Palliyan, Palliyar, Paliyan
9	Kattunayakan	31	xxx
10	Kochuvelan	32	xxx
11	xxx	33	Paniyan
12	xxx	34	Ulladan [Ullatan]
13	Koraga	35	Uraly
14	xxx	36	Mala Vettuvan (in Kasaragod & Kannur Districts)
15	Kudiya, Melakudi	37	Ten Kurumban, Jenu Kurumban
16	Kurichchan [Kurichiyan]	38	Thachanadan, Thachanadan Moopan
17	Kurumans, Mullu Kuruman, Mulla Kuruman, Mala Kuruman	39	Cholanaickan
18	Kurumbas [Kurumbar, Kurumban]	40	Mavilan
19	Maha Malasar	41	Karimpalan
20	Malai Arayan [Mala Arayan]	42	Vetta Kuruman
21	Malai Pandaram	43	Mala Panikkar
22	Malai Vedan [Malavedan]	44	Maratis of Kasargod and Hosdurg Taluk

Annexure III

List of Other Eligible Communities (OEC)

OEC (ST)	1	Allar (Alan)
	2	Chingathan
	3	Irivavan
	4	Kalanadi
	5	Malayan, Konga-Malayan (Kasaragod, Kannur, Wayanad and Kozhikode Districts)
	6	Kundu-Vadiyan
	7	Kunuvarmanadi
	8	Malamuttan
	9	Malavettuvar (Except Kasaragod and Kannur Districts)
	10	Malayalar
	11	Panimalayan
	12	Pathiyan (Other than Dhobies)
	13	Hindu - Malayali
OEC (SC)	1	Chakkamar
	2	Madiga
	3	xxx
	4	Kudumbi
	5	Dheevara/Dheevaran (Arayan, Valan, Nulayan, Mukkuvan, Arayavathi, Valanchiyar, Paniyakal, Mokaya, Bovi, Mogayar, Mogaveerar)
	6	Scheduled Castes converted to Christianity
	7	Kusavan, Kulalan, Kumbharan, Velaan, Velaar, Odan, Andhra Nair, Andhuru Nair
	8	Pulaya Vettuvan (Except Kochi State)

Annexure IV

List of Socially and Educationally Backward Classes (SEBC)

I	Ezhavas including Ezhavas, Thiyyas, Ishuvan, Izhuvan, Illuvan and Billava
II	Muslims (all sections following Islam)
III	Latin Catholics and Anglo-Indians
IV	Dheevera including Dheeveran, Araya, Arayas, Arayan, Valan, Nulayan, Mukkuvan, Arayavathi, Valinjiar, Paniakkal, Paniakel, Mukaya, Bovis – Mukayar, Mukaveeran, Mogaveera, Mogavirar Mogayan
V	Viswakarmas including Viswakarma, Asari, Chaptegra, Kallassari, Kalthachan, Kammala, Kamsala, Kannan, Karuvan, Kitaran, Kollan, Malayala Kammala, Moosari, Pandikammala, Pandithattan, Perumkollan, Thachan, Thattan, Vilkurup, Villasana, Viswabrahmanan or Viswabrahmanar, Viswakarmala and Palisa Perumkollan
VI	Kusavan including Kulalan, Kulala Nair, Kumbaran, Velaan, Velaans, Velaar, Odan, Kulala, Andhra Nair, Anthuru Nair
VII	Other Backward Christians a. SIUC b. Converts from Scheduled Castes to Christianity c. Nadar belonging to Christian religious denominations other than SIUC
VIII	Kudumbi
IX	Other Backward Hindus, i.e.
	1) Agasa
	2) Kharvi
	3) Aremahrati
	4) Arya, Atagara, Devanga, Kaikolan (Sengunthar), Pattarya, Pattariyas, Saliyas (Padmasali, Pattusali, Thogatta, Karanibhakatula, Senapathula, Sali, Sale, Karikalabhakulu, Chaliya, Chaliyan) Sourashtra, Khatri, Patnukaran, Illathu Pillai, Illa Vellalar, Illathar
	5) Bestha
	6) Bhandari or Bhondari
	7) Boya
	8) Boyan
	9) Chavalakkaran
	10) Chakkala (Chakkala Nair)
	11) Devadiga
	12) Ezhavathi (Vathi)
	13) Ezhuthachan, Kadupattan
	14) Gudigara
	15) Galada Konkani
	16) Ganjam Reddies
	17) Gatti
	18) Gowda

19) Ganika including Nagavamsom
20) Hegde
21) Hindu Nadar
22) Idiga including Settibalija
23) Jangam
24) Jogi
25) Jhetty
26) Kanisu or Kaniyar-Panicker, Kaniyan, Kanisan or Kamnan, Kannian or Kani, Ganaka
27) xxx
28) Kalarikurup or Kalari Panicker
29) Kerala Muthali, Kerala Mudalis
30) Oudan (Donga) Odda (Vodde or Vadde or Veddai)
31) Kalavanthula
32) Kallan including Isanattu Kallar
33) Kabera
34) Korachas
35) xxx
36) Kannadiyans
37) Kavuthiyan, Kavuthiya
38) Kavudiyaru
39) Kelasi or Kalasi Panicker
40) Koppala Velamas
41) Krishnanvaka
42) Kuruba
43) Kurumba
44) Maravan (Maravar)
45) Madivala
46) Maruthuvar
47) Mahratta (Non-Brahman)
48) Melakudi (Kudiyan)
49) xx
50) Moili
51) Mukhari
52) Modibanda
53) Moovari
54) Moniagar
55) Naicken including Tholuva Naicker and Vettilakkara Naicker, Naikkans
56) Padyachi (Villayankuppam)
57) Palli
58) Panniyar or Pannayar
59) Parkavakulam (Surithiman, Malayaman, Nathaman, Moopnar and Nainar)

60) Rajapuri
61) Sakravar (Kavathi), Chakravar
62) Senaithalaivar, Elavania, Senaikudayam
63) Chetty/Chetties including Kottar Chetties, Parakka Chetties, Elur Chetties, Attingal Chetties, Pudukkada Chetties, Iraniel Chetties, Sri Pandara Chetties, Telugu Chetties, Udiyankulangara Chetties, Peroorkada Chetties, Sadhu Chetties, 24 Mana Chetties, Wayanadan Chetties, Kalavara Chetties and 24 Mana Telugu Chetties
64) Tholkolan
65) Thottian, Thottian
66) Uppara (Sagara)
67) Ural Goundan
68) Valaiyan
69) Vada Balija
70) Vakkaliga
71) Vaduvan (Vadugan), Vaduka, Vadukan, Vadugar
72) Veera Saivas (Pandaram, Vairavi, Vairagi, Yogeesswar, Yogeesswara, Poopandaram, Malapandaram, Pandaran, Matapathi and Yogi)
73) Veluthedathu Nair including Vannathan, Veluthedan and Rajaka
74) Vilakkithala Nair including Vilakkathalavan, Ambattan Pranopakari, Pandithar and Nusuvan
75) Vaniya including Vanika, Vanika Vaisya, Vaisya Chetty, Vanibha Chetty, Ayiravar Nagarathar, Vaniyan, Vaniya Chetty, Vaniar
76) Yadava including Kolaya, Ayar, Mayar, Maniyani, Eruman, Iruman, Erumakkar, Golla and Kolaries
77) Chakkamar
78) Mogers of Kasaragod Taluk
79) xxx
80) xxx
81) xxx
82) Reddiars (throughout the State except in Malabar area)
83) Mooppar or Kallan Moopan or Kallan Moopar

Annexure V

Undertaking from the students as per the provisions of anti-Ragging verdict by the Hon'ble Supreme Court of India

I, Mr. /Ms....., Roll No.....
Programme: Student of do.....
hereby undertake on this day Month year, the
following with respect to above subject and Office Order No:

- 1) That I have read and understood the directives of the Hon'ble Supreme Court of India on anti-ragging and the measures proposed to be taken in the above references.
- 2) That I understand the meaning of Ragging and know that the ragging in any form is a punishable offence and the same is banned by the Court of Law.
- 3) That I have not been found or charged for my involvement in any kind of ragging in the past. However, I undertake to face disciplinary action/legal proceedings including expulsion from the Institute if the above statement is found to be untrue or the facts are concealed, at any stage in future.
- 4) That I shall not resort to ragging in any form at any place and shall abide by the rules/laws prescribed by the Courts, Govt. of India and Institute authorities for the purpose from time to time.

Signature of Student

I hereby fully endorse the undertaking made by my child/ward.

Signature of Mother/Father and or Guardian

Witness:
Signature :
Name and Address :

Place:
Date:

For any queries, please write to: admission-pg@ktu.edu.in
Visit www.ktu.edu.in
Mobile: +91 91885 23326