



**Government Medical College Alappuzha**

Vandanam, Alappuzha, Kerala, India  
Email : tdmcalappuzha@gmail.com  
0477 - 2282367, 0477 - 2282368



GOVERNMENT TD MEDICAL COLLEGE Alappuzha



January 2026



**GOVERNMENT TD MEDICAL COLLEGE**

**Alappuzha**

**Health and Family Welfare Department  
Government of Kerala**

**KERALA.HEALTH**

**GOVERNMENT TD MEDICAL COLLEGE**  
**Alappuzha**  
**Comprehensive Institutional Documentation**

**Health and Family Welfare Department**  
**Government of Kerala**

**KERALA.HEALTH**





## Message



GOVERNMENT OF KERALA

**Pinarayi Vijayan**  
CHIEF MINISTER

No.109/Press/CMD/26

24 January, 2026.

### **MESSAGE**

Kerala's public health system has long been recognised for its commitment to quality, equity, and people-centred care and support. Medical College Hospitals play a key role, functioning not only as apex institutions for tertiary care but also as centres of excellence for medical education, research, and innovation.

The Government is developing Kerala as a 'Knowledge Economy' by laying a strong edifice of various institutions including Medical Colleges. The Medical College Hospital document showcases this commitment through its comprehensive clinical services, specialised departments, and advanced diagnostic and therapeutic facilities developments. It is playing a crucial role in training generations of doctors, nurses, and allied health professionals who serve both within Kerala and beyond all over the world.

This document is an important effort to present the services, achievements, academic activities, innovations, and future vision of the Medical College Hospital to people. It provides valuable insights for policymakers, administrators, and health professionals striving to strengthen Medical Colleges and make them Centres of Excellence.

I commend the dedicated efforts of the entire team who have contributed to the growth of this institution and in preparing this document.

I wish all the success to future endeavours.

**Pinarayi Vijayan**

**The Addl. Chief Secretary**  
Health Dept.  
Email: [acskeralahealth1@gmail.com](mailto:acskeralahealth1@gmail.com)





**Smt. Veena George**

Minister for Health &  
Family Welfare  
and Woman & Child Welfare  
Development  
Government of Kerala

**Message**

Medical College Hospitals form the backbone of the tertiary health-care delivery system, serving a dual role as centres of advanced patient care and as institutions for teaching, training, and research. Over the years, the Medical College Hospitals have evolved into comprehensive health-care hubs, providing specialized services to people and nurturing generations of competent medical and allied health professionals.

The Medical College Hospital stands as a testimony to the strength of the public health infrastructure, and access to quality tertiary care. Medical Colleges with its multidisciplinary departments, advanced diagnostic and therapeutic facilities, and dedicated workforce, are playing a pivotal role in addressing the complex health needs, and responding effectively to the tertiary healthcare.

This document systematically captures the services, achievements, innovations, academic activities, and future directions of the Medical College Hospital. It guides not only for institutional review but also for sharing best practices, and proposing policy decisions aimed at further improving health outcomes.

I appreciate the collective efforts of the Medical College Team who have contributed to the growth of this institution.

I also appreciate the contribution of the doctors, paramedical staff and support staff for preparation of such an extensive document.

I wish success in all future endeavours.

  
**Veena George**





## Preface

The Government has been taking various initiatives to build up a 'knowledge economy'. It gives mandate to build institutions entrusted with the responsibility of knowledge transfer in the respective domain areas. The Department of Health and Family Welfare has been taking a multipronged approach for development of health sector. Aardram Mission-1 focused at infrastructure development and Aardram Mission – Nav Kerala Karma Padhathi-2 continued its focus on various health programs and health system improvement measures.

The Department has given utmost importance towards the foundational field of Medical Education. Over time, our various medical colleges and medical college hospitals have been further developed by improving infrastructure, designing patient focused facilities, procuring various modern diagnostic equipment and measures and implementing state-of-the-art treatment avenues. These initiatives are supported by human resource management as well as human resource development. Strong governance of medical education and tertiary healthcare institutions development have resulted into qualitative improvement in health service delivery to all.

While discussing with the team, it was felt that a detailed document of these developments will not only inform regarding developments but it will also help to plan pragmatic future developments in medical colleges and improve health service delivery. The present generation of students will know their institution better and will take a pride in the fact the way these institutions are delivering the results.

This Medical College documentation initiative has been taken with the objective of providing a comprehensive overview of the institution's academic, clinical, administrative, and developmental dimensions. The documentation follows a structured framework covering institutional history, academic offerings, departmental facilities, human resource profile, infrastructure development, specialised programmes, research initiatives, and financial allocation. This approach enables systematic assessment of institutional performance, facilitates benchmarking across medical colleges, and supports informed decision-making at the departmental and policy levels.

Government Medical Colleges are complex institutions that integrate education, service delivery, and research. Effective planning for such institutions demands clarity on capacities, gaps, and future priorities. The preparation of this document has also

strengthened internal coordination, data consolidation, and accountability mechanisms within the institution. Medical Colleges are the worlds within worlds. This was not a simple task. It took months to prepare the documents! Even though to begin with there were questions regarding need of documenting, the teams took continuous efforts and the documents are prepared. The reader may feel that there a few things missed out but these documents will be always the foundation for the next editions and the posterity will understand about its value and utility.

I commend the collective efforts of those who have taken committed efforts to complete the tasks. Principals, hospital superintendents, faculty, administrative teams, and departmental units involved in this exercise.

The institutions are built by all working in the institutions right from the cleaners, security guard to the Principal and Superintendents. The students, both the undergraduate and postgraduate, have the idealism and energy. They should also contribute in a big way to betterment of systems and processes. The seniors should build such enabling environment that encourages taking initiatives in various field of medical science. It is our confidence that such 'thinking students' will not only understand the deeper meaning of gaining knowledge and skills but also put it to practice for the betterment of the society.

I am confident that this document will serve as a valuable reference for policymakers, administrators, and academic leaders, and will contribute meaningfully to the continued strengthening of Government Medical Colleges in Kerala and become the Centre of Excellence.

**Dr Rajan Khobragade IAS**

Additional Chief Secretary  
Health & Family Welfare and  
AYUSH Department  
Govt of Kerala.



## Message

Over the decades, Government T.D. Medical College, Alappuzha has established itself as one of Kerala's most respected centres of medical education, healthcare delivery, and research. This comprehensive report prepared by the institution not only reflects its rich legacy since 1963 but also highlights its steady transformation into a modern, multidisciplinary tertiary care centre serving the people of Alappuzha and neighbouring districts.

The document presents, in a structured manner, the academic strengths of the college, the scale and diversity of services across departments, the significant expansion of infrastructure, and the institution's enduring commitment to excellence in patient care. Its detailed account of clinical performance, postgraduate training, emerging specialty units, and proposed academic initiatives underscores the college's unwavering dedication to advancing medical education and healthcare.

I extend my sincere appreciation to the Principal, faculty, and staff of Government T.D. Medical College, Alappuzha for compiling this exhaustive report. It will serve as a valuable reference for ongoing and future planning in medical education and healthcare delivery across the state. As the Directorate of Medical Education continues to strengthen and harmonise the functioning of government medical colleges, such documentation plays a crucial role in guiding policy decisions, infrastructure development, and academic reforms.

I am confident that this compilation will support the institution in its pursuit of becoming a leading centre for advanced medical training, research innovation, and compassionate clinical care.

**Dr. K. V. Viswanathan**  
Director of Medical Education  
Government of Kerala



## Message



In the ever-evolving landscape of healthcare and medical education, institutions that blend tradition with innovation stand out as beacons of progress. T.D. Medical College & Hospital, Alappuzha, is one such institution—rooted in decades of service, yet constantly adapting to meet the challenges of modern medicine.

This Health Document is a tribute to the journey of Govt TD Medical College, tracing its transformation from a regional medical college into a dynamic hub of clinical excellence, academic rigor, and compassionate care. It offers readers a window into the institution's multifaceted identity: as a training ground for future medical leaders, a sanctuary for the ailing, and a research engine driving medical advancement in Kerala and beyond.

Rather than merely cataloguing facts, this document seeks to convey the spirit of Govt TD Medical College —its people, its purpose, and its promise. Whether you are a prospective student, a healthcare professional, a policymaker, or a curious reader, we invite you to explore the pages ahead and discover the enduring impact of this remarkable institution.

**Dr B. Padmakumar**  
Principal,  
Govt. Medical College  
Alappuzha



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## Chapter 1

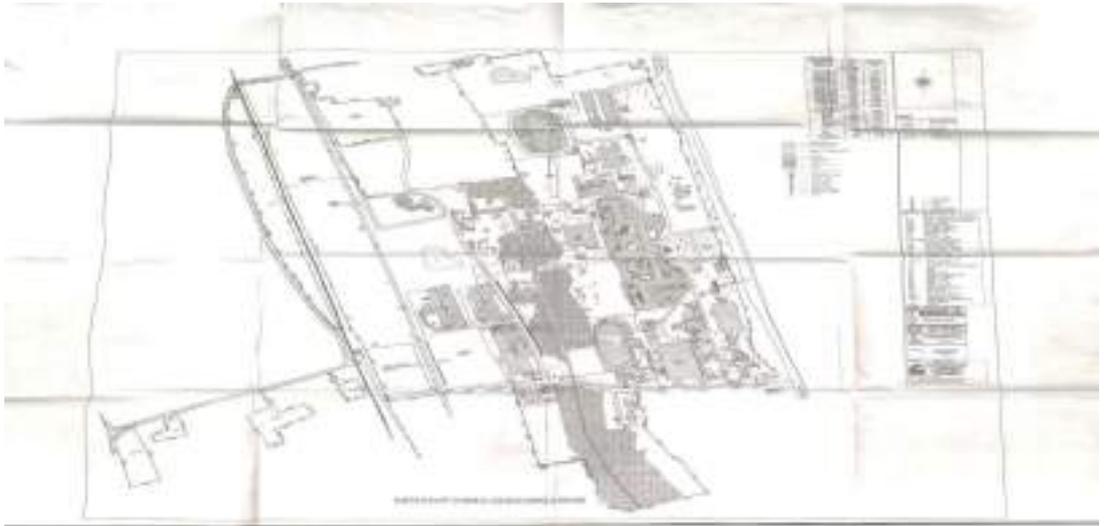
### GOVT TD MEDICAL COLLEGE



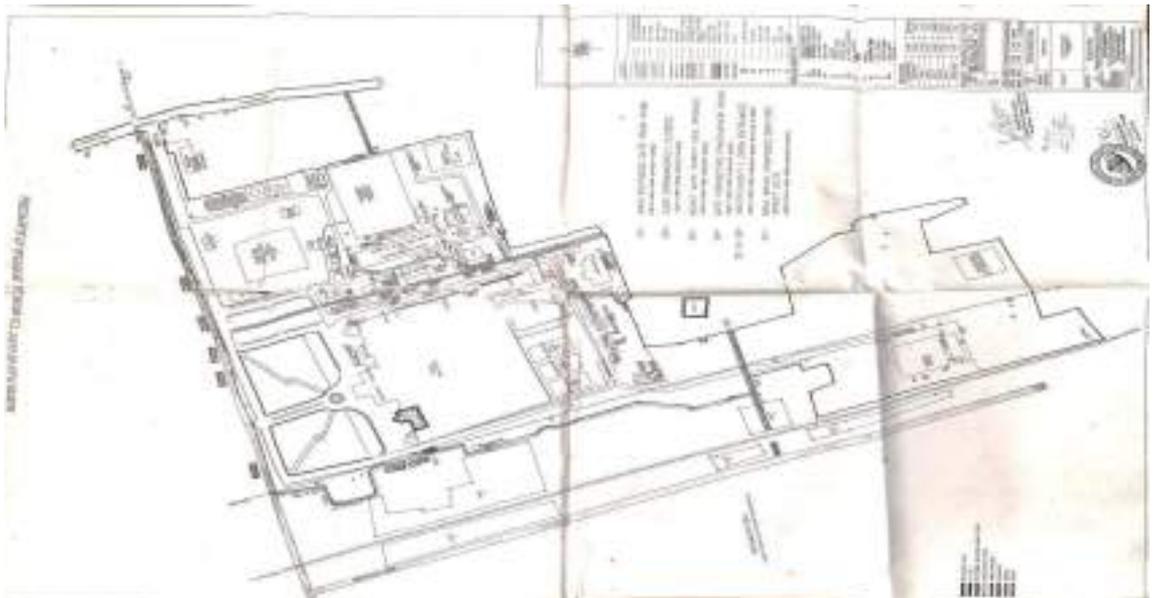
**Figure 1. TDMCA Main Building**

TD Medical College is a government-run super-specialty teaching hospital located in Vandanam, Alappuzha. Established in 1963, it spans 138 acres and is affiliated with KUHS. The campus includes academic, hospital, super-specialty, trauma, and maternal-child blocks. Strategically placed along NH 66, it ensures excellent connectivity. It operates two field training centres—Rural Health Training Centre (RHTC) Chettikkad and Urban Health Training Centre (UHTC) Ambalapuzha—serving coastal and semi-urban populations. These centres offer maternal-child health services, immunization, sanitation, and adolescent care. The institution emphasizes eco-conscious infrastructure with curated gardens and proposed water bodies. It integrates medical education, research, and public service. TDMCA is recognized by the National Medical Commission (NMC). It stands as a model of inclusive and future-ready healthcare education

## Infrastructural Plan



**Figure 2. Infrastructural Plan of MCH Hospital**



**Figure 3. Infrastructural Plan of Medical College**

## 1.1 Vision Mission & Institutional Ethos

*“Guided by purpose, driven by values.”*

### Vision

To become a globally recognized Centre of Excellence in medical education, research, and healthcare delivery— rooted in equity, innovation, and service.

It reflects the institution’s long-term aspiration to be a centre of excellence in medical education, research, and patient care – anchored in public service and global relevance.

### Mission

- Deliver high-quality, ethical medical education that fosters empathy and excellence.
- Provide inclusive, affordable, and advanced healthcare to all sections of society.
- Promote interdisciplinary research and community engagement.
- Uphold transparency, accountability, and continuous institutional improvement.

### Core Values

Values	Description
Compassion	Patient- centred care and empathy in every interaction.
Integrity	Ethical governance, academic honesty, and professional accountability
Innovation	Adoption of new technologies, pedagogies, and clinical practices.
Inclusivity	Serving diverse populations with dignity and equity
Sustainability	Eco- conscious infrastructure and responsible resource use.

## 1.2 History



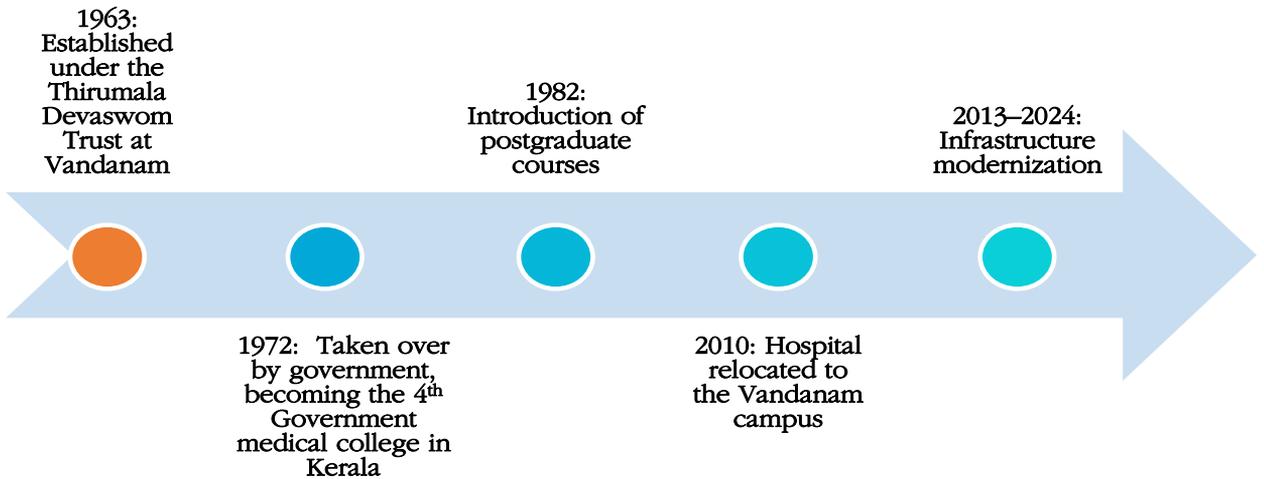
**Figure 4. Through the Lens of History**

Founded under the Thirumala Devaswom Trust, TDMCA began with 50 MBBS seats in 1963. It became Kerala's sixth government medical college in 1972. The hospital was relocated to Vandanam in 2010, enhancing infrastructure and accessibility. Between 2013 and 2024, modernization occurred via PLAN FUND, Pradhan Mantri Swasthya Suraksha Yojana (PMSSY), National Health Mission (NHM), and Corporate Social Responsibility (CSR) support. The institution celebrated its Golden Jubilee with publications and events. The college has preserved its heritage while embracing modernization. It continues to align with Kerala's healthcare needs and national academic standards. The emblem features Narasimha, reflecting its spiritual roots. TDMCA reflects a legacy of healing, learning, and transformation.



**Figure 5. TDMCA in its Formative Years**

## Historical Milestones



**Figure 6. Milestones of TDMCA**

### Legacy Highlights

- Over 60 years of uninterrupted service in medical education and public health.
- Alumni serving across India and abroad in clinical, academic, and administrative roles.
- Golden Jubilee commemorations, institutional publications, and heritage preservation.

### Institutional Identity

- Name: Government T.D. Medical College & Hospital, Alappuzha
- Location: Vandanam, Alappuzha District, Kerala
- Affiliation: Kerala University of Health Sciences (KUHS)
- Governance: Directorate of Medical Education, Government of Kerala
- Campus area 138 Acres

### 1.3 Administration

TDMCA is governed by the Directorate of Medical Education, Kerala. The Principal, Vice Principal, and officers oversee planning, accounts, and coordination. A new Administrative Block is nearing completion to centralize governance. It will house offices, meeting rooms, documentation centres, and grievance redressal units. The Learning Resource Centre (LRC) will feature digital access terminals, e-journal subscriptions, and quiet study zones. Integrated with library services, the LRC supports seamless academic engagement. Digital systems like biometric attendance and e-hospital integration enhance transparency. Staff coordination ensures efficient service and academic delivery. Ethical governance and continuous improvement are emphasized. The administrative framework reflects its strategic vision.

*“Leadership with integrity, systems with accountability.”*

Governance at T.D. Medical College is rooted in integrity, transparency, and teamwork. With accountable systems and ethical leadership, the institution fosters a culture of trust, discipline, and continuous improvement.

### Roles & Responsibilities (Supervisory level)

**Table A. Administrative Structure and Key Responsibilities**

Designation	Roles and Responsibilities
Principal	Academic and strategic head; oversees curriculum development and institutional planning
Vice Principal	Monitors academic activities, faculty coordination, student assessments, compliance
Medical Superintendent	Manages hospital operations, clinical governance, and patient care standards
Resident Medical Officer (RMO)	Coordinates daily hospital functioning, emergency services, and interdepartmental logistics

Deputy Superintendent	Assists in hospital administration, compliance monitoring, and grievance redressal
Heads of Departments	Lead academic and clinical services; responsible for teaching, research, and departmental governance
Senior Administrative Officer	Supports academic and administrative documentation, scheduling, and internal coordination
Junior Superintendents	Supervise section-level operations, file movement, and ensure documentation and compliance

## Institutional Committees & Roles



**Figure 7. Institutional Committees & Roles**

## Chapter 2

### MEDICAL COLLEGE HOSPITAL: AN OVERVIEW

#### 2.1 MCH Dashboard



Figure 8. MCH Dashboard

## 2.2 UG Courses

- Annual Intake: 175 MBBS seats
- Commencement: September each year
- Admission Criteria: Based on NEET scores

**Curriculum Framework:** NMC-aligned curriculum with early clinical exposure, simulation-based learning and community medicine integration

**Infrastructure & Facilities** include dissection halls, smart classrooms, skill labs and digital library

**Teaching Methodology** emphasizes on case-based learning, bedside clinics, history-taking practice, physical examination training and clinical reasoning development

**Community-Based Training** includes field visits, health camps and public health engagement

**Extracurricular Activities** includes Sports programs, cultural events and public health campaigns

**Student Development:** Holistic development is supported through Mentorship programs and Interdisciplinary engagement.

**Table 1. UG Course**

UG Course	No. of Seats	Year Of Commencement	Recognition Status	Remarks
MBBS	175	1963 (100) + 2007 (50) + 2019 (25)	Recognized	Includes EWS quota

## Examination Results of MBBS Batches

Table 2. MBBS Exam results (2019-2024)

	No. Appeared	No. Passed	Pass %	No. of Distinction
<b>2019 Admission</b>				
I Prof. MBBS	174	136	78%	13
II Prof. MBBS	164	108	68%	12
III Prof. MBBS Part I	145	131	90%	10
III Prof. MBBS Part II	157	154	98%	4
<b>2020 Admission</b>				
I Prof. MBBS	174	118	67.4%	2
II Prof. MBBS	149	118	79.2%	7
III Prof. MBBS Part I	145	135	93%	11
III Prof. MBBS Part II	157	147	94%	6
<b>2021 Admission</b>				
I Prof. MBBS	172	135	78%	7
II Prof. MBBS	153	140	91%	18
III Prof. MBBS Part I	152	151	99.3%	15
<b>2022 Admission</b>				
I Prof. MBBS	176	151	86%	7
II Prof. MBBS	170	156	92%	27
<b>2023 Admission</b>				

I Prof. MBBS	183	150	82%	7
II Prof. MBBS	165	153	93%	28
<b>2024 Admission</b>				
I Prof. MBBS	172	153	89%	6

### 2.3 PG Courses

- Programs Offered: MD and MS programs across 19 specialties
- Admission Criteria: Through NEET PG counselling

**MD Specialties:** Anatomy, Anaesthesia, Biochemistry, Community Medicine, Dermatology, Forensic Medicine, General Medicine, Microbiology, Obstetrics & Gynaecology, Pathology, Paediatrics, Pharmacology, Physiology, Psychiatry, Radiology, Radiotherapy, and Transfusion Medicine.

**MS Specialties:** ENT, General Surgery, Ophthalmology, and Orthopaedics.

**Training Methodology:** Case-based learning, bedside clinics, simulation labs, simulation training and hands-on exposure

**Faculty Development:** Faculty development programs and CME programs enhance teaching quality

**Research & Academic Activities:** Students participate in research, conferences, and outreach programs

**PG Thesis Areas:** Zoonotic diseases, occupational health, and digital literacy

**Mentorship & Awards:** Mentorship is provided for ICMR STS and KUHS awards. More than 15 ranks in various postgraduate examinations under KUHS.



MD General Medicine	16	1986, 2010, 2017	Recognized
MD General Surgery	3	1982, 2010	Recognized
MD Microbiology	2	2020	Recognized
MS Obstetrics & Gynaecology	8	1999, 2010, 2018	Recognized
MS Ophthalmology	3	2011	Recognized
MS Orthopaedics	3	2010	Recognized
MD Paediatrics	9	2008, 2010, 2017	Recognized
MD Pathology	2	1994, 2010	Recognized
MD Pharmacology	2	2012	Recognized
MD Physiology	2	2012	Recognized
MD Psychiatry	3	2012, 2024	Recognized
MD Radio Diagnosis	4	2012	Recognized
MD Radiation Oncology	3	2020	Recognized
MD Respiratory Medicine	2	2020	Recognized
MD Transfusion Medicine	1	2012	Recognized

## 2.4 Super Specialties

- Programs Offered: DM and MCh across 5 specialties
- Admission: Through national-level entrance examinations

**DM Specialties:** Cardiology, Neurology, and Nephrology

**MCh Specialties:** Neurosurgery and Genito-Urinary Surgery

**Departments:** Gastroenterology, Radiology, and Pulmonary Medicine

**Infrastructure:** Cath labs, Neuro Intensive Care Units (ICUs), Dialysis stations, and advanced diagnostics

**Advanced Equipment:** 3 Tesla Magnetic Resonance Imaging (MRI), 128/256-slice Computed Tomography (CT), and Digital Subtraction Angiography (DSA) units

**Training Focus:** Interventional procedures, critical care, and diagnostics

Faculty contributes to research and policy. Programs aim to produce specialists for tertiary care. Collaboration with national missions and specialty societies enhances quality. Students engage in community care and telemedicine.

**Table 4. Super specialty courses**

Super Specialty Courses	No. of Seats	Year of Commencement	Recognition Status	Year of Recognition by NMC
DM Cardiology	3	2012	Recognized	2012
DM Neurology	2	2012	Recognized	2012
DM Nephrology	2	2016	Recognized	2016
MCh Genito-Urinary Surger	2	2012	Recognized	2012
MCh Neurosurgery	2	2012	Recognized	2012

## 2.5 Paramedical & Allied Health

- Courses: DMLT, Dialysis Technology, Radiology, OT Technology, B. Pharm, D. Pharm
- Training: Hands-on exposure in hospital departments, skill-based modules

**Table 5. Pharmacy & Paramedical courses**

Pharmacy & Paramedical Courses	No. of Seats	Year of Commencement	Name Of University
B. Pharm	21	2011	KUHS
BCVT (Cardio Vascular Tech)	5	2012	KUHS
BSc Dialysis Technology	11	2019	KUHS
Diploma in Dialysis Technology	6	2013	DME
DMLT (Medical Lab Tech)	16	1985	DME
DNT (Neuro Tech)	4	2012	DME
DOTAT (OT & Anaesthesia Tech)	11	2011	DME
DOA (Ophthalmic Assistant)	5	1990	DME
D. Pharm	44	1980	DME
DRRT (Radiological Tech)	11	1985	DME

## Continuing Medical Education (CME)

- TDMC Grand Rounds, Institutional Clinico-pathological correlation (CPC)
- Faculty development programs, workshops, national conferences, simulation training
- Collaborations: KUHS, IMA, NHM, specialty societies

The teaching methodology at Government T.D. Medical College, Alappuzha is designed

to foster clinical competence, academic excellence, and research orientation. Case-based learning forms the cornerstone of this approach, enabling students to analyse real-life clinical scenarios and apply theoretical knowledge to diagnostic and therapeutic decision-making. Bedside clinics provide immersive clinical exposure, allowing students to engage directly with patients under expert supervision, thereby honing their skills in history taking, physical examination, and clinical reasoning. Together, these methods ensure a holistic and practice-oriented medical education that aligns with national standards and institutional ethos

## Chapter 3

### HEALTH FACILITIES

#### 3.1 Overview

The campus is divided into zones for academics, hospital services, super-specialty care, trauma management, and mother-child health. It includes shaded walkways, curated gardens, and internal roads. The location along NH 66 ensures accessibility for regional and inter-district patients. The hospital operates 24x7 emergency services and specialized ICUs. Infrastructure is supported by central schemes like PMSSY and NHM. The institution is a referral centre for tertiary care. It includes a blood bank, CSSD, pharmacy, and central workshop. Accessibility features include ramps, lifts, and tactile signage. Recreational zones and water bodies are proposed. The layout supports efficient patient flow and academic activity.



**Figure 10. Glimpses of Institutional Infrastructure**

### 3.2 Department-wise Services

There are 28 clinical and super-specialty departments including General Medicine, Surgery, Oncology, Cardiology, and CVTS. Non-clinical departments include Anatomy, Physiology, Biochemistry, Pathology, Microbiology, Pharmacology, Forensic Medicine, and Community Medicine. Allied departments include College of Pharmaceutical Sciences, Physical Education, Biomedical Engineering, and Central Library. Specialized centres include Autism Centre, ART Centre, STI Clinic, and Palliative Care Unit. Support services include organ transplant coordination, biomedical waste management, and infection control. The institution also hosts a One Health Initiative for zoonotic disease surveillance. Each department is equipped with diagnostic and therapeutic infrastructure. Faculties are trained in clinical and academic protocols. Interdepartmental collaboration enhances patient care. Outreach activities are coordinated through RHTC and UHTC.

#### Non-Clinical Departments

These foundational departments support pre-clinical education, diagnostics, and public health initiatives.

**Table 6. Functions of non-clinical departments**

Sl. No	Department	Functions & Highlights
1	<b>Anatomy</b>	Cadaveric dissection, structural understanding
2	<b>Physiology</b>	Functional Systems, lab-based learning
3	<b>Biochemistry</b>	Molecular diagnostics, metabolic profiling
4	<b>Pathology</b>	Histopathology, cytology, autopsy services
5	<b>Microbiology</b>	Infection control, culture labs, virology
6	<b>Pharmacology</b>	Drug mechanisms, rational prescribing
7	<b>Forensic Medicine</b>	Medico-legal cases, post-mortem examination
8	<b>Community Medicine</b>	Field surveys, preventive clinic, road safety clinic, epidemiology, health education, family adoption programme, outreach centres –UHTC & RHTC

### Clinical & Super-Specialty Departments

A total of 28 departments including clinical and Super-specialty departments operate across the Main Hospital and the PMSSY-funded Super-Specialty Block.

**Table 7. Key services of clinical & super specialty departments**

Sl. No.	Department	Key Services & Infrastructure
1	<b>General Medicine</b>	OPD/IPD care, specialty clinics
2	<b>General Surgery</b>	Elective/emergency procedures, laparoscopic units
3	<b>Paediatrics</b>	NICU, immunization, developmental clinics
4	<b>Obstetrics &amp; Gynaecology</b>	Labour rooms, antenatal care, gynaecologic surgeries
5	<b>Orthopaedics</b>	Trauma care, Joint replacements, spinal procedures
6	<b>Psychiatry</b>	De-addiction, counselling, inpatient care
7	<b>Dermatology &amp; Venereology</b>	Skin clinics, phototherapy
8	<b>ENT</b>	Audiometry, endoscopy, otologic surgeries
9	<b>Ophthalmology</b>	Cataract surgeries, slit lamp, fundus imaging
10	<b>Emergency Medicine</b>	24x7 trauma, poison, resuscitation services
11	<b>Anaesthesiology</b>	OT support, ICU sedation, pain management
12	<b>Radiodiagnosis</b>	MRI, CT, DSA, ultrasound, mammography
13	<b>PMR</b>	Rehabilitation, physiotherapy, prosthetics
14	<b>Paediatric Surgery</b>	Neonatal and paediatric surgical interventions
15	<b>Transfusion Medicine</b>	Blood grouping, component therapy

16	<b>Radiotherapy</b>	External beam therapy, brachytherapy
17	<b>Pulmonary Medicine</b>	Bronchoscopy, Tobacco Cessation Clinic, COPD Rehabilitation Clinic, allergic clinic, sleep studies
18	<b>Neurosurgery</b>	Craniotomy, spinal surgeries
19	<b>Genito-Urinary Surgery</b>	Endourology, lithotripsy
20	<b>Gastroenterology</b>	Liver clinics, endoscopy, colonoscopy
21	<b>Cardiology</b>	Cath labs, echo, angioplasty, cardiac ICU
22	<b>Neurology</b>	EEG, stroke unit, neuro ICU
23	<b>Nephrology</b>	Dialysis stations, renal biopsy
24	<b>Urology</b>	Endourology, lithotripsy
25	<b>CTVS</b>	Heart-lung machine, bypass surgeries
26	<b>Medical Oncology</b>	Chemotherapy, diagnostics
27	<b>Surgical Oncology</b>	Tumour resections, palliative surgery
28	<b>Plastic Surgery</b>	Reconstructive and cosmetic procedures

### Department wise Services & Scope

#### Department of Community Medicine:

##### Services:

- UG Teaching
- PG teaching- 2 postgraduates/year. Department got the letter of permission from NMC to enhance the number of PG seats from two to four in 2025.
- Preventive clinic: The clinic is providing service to the patients coming with animal exposure cases. As part of the patient management, we have given 10987

Anti rabies vaccine, 4447 Anti rabies serum and around 8000 Rabies monoclonal antibodies in 2025. The clinic also provided 1300-1400 numbers of adult vaccinations during 2025.

- Administration of Urban and Rural Health Training Centres of TDMC Alappuzha: The Assistant professors of department are functioning as the administrative Medical officers of the Rural Health Training Center Chettikad and Urban Health Training Center Ambalappuzha. Through this, the department and Govt TD Medical College Alappuzha are actively involved in the public health activities of the catchment area of these two block CHCs.
- Family Adoption Programme: Department is coordinating in the Family Adoption Programme of medical students. Each student is allotted 3-5 houses in the Punnapra south panchayat. Through this programme department and college is involved in the health-related matters of around 2450 families.
- Regional Prevention of Epidemics and Infectious Diseases cell: RPEID cell of TDMC Alappuzha is working under Dept. of Community Medicine. Through this department is reporting all the communicable diseases to the state PEID cell and IHIP. RPEID cell is thus actively involved in the surveillance, outbreak investigation and control measures of various communicable diseases reported in Govt. TD Medical College Alappuzha and Alappuzha district. Regional PEID cell coordinator, who is the Associate professor of Department of community medicine, is one of the members of the district RRT team as well as the district death auditing team.
- Research Activities: Department is actively involved in the research activities of Govt. TD Medical College Alappuzha. Associate Professor of department is the nodal officer of State Board of Medical Research (SBMR) and head of the department and one of the Asst. Professor are members of SBMR team. Department is conducting at least two research methodology workshop/year for the postgraduates. Department is conducting training programmes for the faculties on various aspects of research. Every year the department is guiding 11-12 undergraduate research projects.

- Other public health activities:
  - Health education & Training: Department is conducting various public health activities such as health education and training sessions for medical students, paramedical students, other students in the district. Similarly, we are conducting awareness classes and training programmes for health workers of Govt. TD medical college, other health workers in the district and for the general public.
  - National/International Health Day Observation: Department is observing the various health days and organizing programmes with the help of medical students to raise the awareness of concerned health issue among the students, faculties, health workers and the general public.



**Figure 11. Observation on One Health**

- Conduct of Medical Camps: Department organized and conducted three medical camps in the Family Adoption Programme (FAP) area in the year 2025. Around 40-80 people attended in each camp. Apart from this, faculty and house surgeons from the department attended around 5 -6 medical

camps in the year 2025 organized by the various Non-Governmental Organizations (NGOs) and resident's associations in the Alappuzha district.

- Department is coordinating the programmes announced by the Central and State Government in the Govt. TD medical College like “Arogyam Anandam-Akattam Arbudam” and “Swasth Nari Sashakth Parivar,” etc.
- School health Programme: Department is involved in the school health programme of Alappuzha district. As part of FAP programme our students are conducting health education at different schools of the district. Faculty and house surgeons are conducting medical checkup of school children

**Scope:**

- Department is running a road safety clinic



**Figure 12. Inauguration of Road Safety Clinic**

- Planning to start a mobile health unit for the coastal population of Alappuzha district using the MP fund. Discussion is ongoing.
- Department is also actively involved in the implementation of the Model Rural Research Health Unit in Alappuzha district along with National Institute of Virology (NIV) Alappuzha and District health authorities of Alappuzha.

## Department Of Microbiology

The Department of Medical Microbiology plays a pivotal role in providing quality diagnostic services, teaching, and research. Serving a large patient population of around 1250 patients per day, the department is committed to delivering accurate and timely microbiological services.

### Services:

#### 1. Diagnostic Services:

- Routine microbiological investigations (bacterial, fungal, viral and parasitic diseases)
- Culture and antibiotic susceptibility for specimens like blood urine, exudate, sputum, pus swab, stool, Cerebrospinal Fluid (CSF)
- Molecular diagnostics—Approximately 1 lakh samples were subjected to Polymerase Chain Reaction (PCR) testing during the COVID-19 pandemic.
- Serological testing for various bacterial and viral infections
- HIV testing- Under department of Microbiology, Integrated Counselling and Testing Centres (ICTC) and State Reference Laboratories (SRL) work together to provide comprehensive HIV testing and counselling services, while also supporting research and surveillance initiatives
- Mycobacteriology—Microscopy and culture for Mycobacterium species
- Parasitic infections—Direct microscopy and reporting in parasitic infections including suspected amoebic meningoencephalitis cases
- Sterility testing of operation theatre complex, drinking water, Reverse Osmosis (RO) water from dialysis units

#### 2. Hospital Infection Control

- Heads hospital infection control activities
- Conducts HICC meetings regularly
- Conducts healthcare associated infection surveillance, hand hygiene auditing and outbreak investigations

- Prepare the manual for infection control practices and review of the same from time to time
- Develops and implements infection control policies
- Conducts regular training sessions for healthcare workers

### 3. Antimicrobial Stewardship Programme (AMSP)

- Selective and cascade reporting of antibiotic susceptibility in clinical isolates
- Promotes rational antibiotic use
- Monitors antibiotic resistance patterns
- Develops guidelines for antibiotic therapy
- Implementation of AWARE classification of antibiotics
- Conducting AMSP sessions for clinicians, healthcare workers and students
- Regular updating of Antimicrobial Resistance (AMR) surveillance data in World Health Organization Network for Antimicrobial Resistance Surveillance (WHONET) software

### 4. COVID-19 Testing Molecular Lab

Provides Reverse Transcription-Polymerase Chain Reaction (RT-PCR) testing for COVID-19 and also supports hospital and community-based testing initiatives

### 5. Sentinel surveillance site for National One Health Programme for Prevention and Control of Zoonoses (NOHPPCZ)

- Surveillance reporting, intersectoral activities and community awareness programmes are being conducted

### Scope:

The department's services and activities have a significant impact on patient care, teaching, and research. By providing accurate diagnostic services, the department helps clinicians make informed treatment decisions. The hospital infection control activities and AMSP initiatives contribute to reducing healthcare-associated infections and promoting antimicrobial stewardship. The department's involvement in teaching and research helps to shape the next generation of medical professionals and advances the

field of medical microbiology.

### **Department of Forensic Medicine**

About 1400 post-mortem examinations and 50 – 60 Medico Legal Clinical examinations are conducted per year.

#### **Services:**

- Post-mortem examination
- Clinical Forensic Medicine Examination
- Expert opinion
- Court duties
- Training for Govt. Institutions
- UG/PG Training

#### **Department of Neurology Services:**

- Providing out-patient care of 500–600 patients/OPD
- In-patient care
- Stroke ICU care and thrombolysis
- EEG for IP and OP patients
- Video EEG
- Polysomnography
- Electrophysiological studies
- Injection Botulinum toxin
- Epileptic care
- Stroke care
- Neuromuscular disease care
- Regional Early Intervention Centre (REIC) for Neurodevelopment
- Movement disorder clinic
- Community Neurology

- Mobile neuro-care

### Department of Transfusion Medicine

The annual patient footfall and service statistics of the Department of Transfusion Medicine indicate a high service load, with approximately 15,000 blood donors annually. During the year, a total of 72,000 blood grouping tests and 24,000 cross-matching procedures are performed. Immune-haematological services include 780 Direct Coombs tests, 480 Indirect Coombs tests, 120 antibody identification procedures, and 150 antibody titration tests. Additionally, a total of 22,253 blood and blood products are issued annually, reflecting the extensive clinical support provided by the department.

#### Services:

- Enhance education and training in blood banking for medical and paramedical students with key focus on residents pursuing PG course in Transfusion medicine
- Organization of seminars, workshops, hands-on training for technical staff training
- Support for research activities and faculty development
- Donor and recipient blood grouping
- Pretransfusion compatibility testing
- Antibody titration and Antiglobulin test
- Antibody screening and identification
- Minor blood group phenotyping
- Donor motivation, recruitment, retention for promotion of voluntary blood donation
- Blood donor selection, blood collection
- Preparation of blood components and modification of components like washing, leuco-reduction
- organization of indoor and outdoor voluntary blood donation camps for ensuring blood safety
- Quality control of blood products, reagent kits, antisera

- Plateletpheresis for clinical transfusion
- Immunohematology evaluation of various specialties including transplantation, antenatal, multi-transfused dialysis/oncology/hematology patients
- Serological evaluation of adverse Transfusion reactions and blood grouping discrepancies.

### **Department of Emergency Medicine:**

The Department of Emergency Medicine caters to the high burden of trauma and acute medical emergencies, as well as the rural and referral-dependent population. The department has a daily turnover of around 500-700 patients. Through the following services, the department can significantly contribute to patient care, academics, and public health initiatives.

#### **Services**

- Public health preparedness
- Cardiopulmonary Resuscitation (CPR) awareness campaigns
- Conducting emergency training classes to the staffs/ doctors/ general public etc.
- Emergency Intensive Care
- Interdepartmental collaborations
- Conducting disaster preparedness programmes
- Awareness classes and quality control programmes.

### **Department of Plastic Surgery**

During the year 2025, up to the 30<sup>th</sup> of November, the Department of Plastic Surgery catered to a total of 1170 outpatient cases and 67 inpatient admissions. In addition, the department attended 128 interdepartmental inpatient consultations. Surgical workload during this period included 64 major surgical procedures, 176 minor procedures, and 5 emergency surgeries, reflecting consistent clinical activity and multidisciplinary involvement.

#### **Services**

- Conducts Outpatient Department (OPD) services every Thursday

- Performs major surgical procedures on Tuesdays
- Performs minor surgical procedures on Fridays
- Provides interdepartmental inpatient consultation services on all working days

### Department of General Surgery

#### Services

- Outpatient (OP) services
- Inpatient (IP) services
- Intensive Care Unit (ICU) care
- Operation Theatre (OT) services
- Oesophago-Gastro-Duodenoscopy (OGD scopy) and colonoscopy services
- Conduct of Continuing Medical Education (CME) programmes
- Internal faculty discussions and seminars
- Interdepartmental faculty discussions and seminars
- Research activities
- Teaching and training for:
  - Postgraduate (PG) students
  - Undergraduate (UG) students
  - BDS students
  - Nursing students

### Department of Pharmacology

#### Services:

- Organizes Institutional Ethics Committee (IEC) meetings-IEC reviews research protocols of residents and faculties as per International Council for Harmonisation - Good Clinical Practice (ICH-GCP), Indian Council of Medical Research (ICMR) guidelines and India's New Drugs and Clinical Trials Rules (NDCT) and clearance will be issued as per protocol.

- Pharmacovigilance: Adverse drug reactions are uploaded every month to Indian Pharmacopoeia Commission (IPC) via Vigiflow as part of the pharmacovigilance programme of India.
- Academic activities:
  - Conducted Good Clinical Practice (GCP) trainings in 2023 and 2024 (Online).
  - Received National Medical Commission (NMC) recognition for one additional PG seat.

### Department of Biochemistry

#### Services:

The Department of Biochemistry provides a wide range of diagnostic laboratory services including estimation of blood glucose, urea, creatinine, total and direct bilirubin, total protein, albumin, Serum glutamic oxaloacetic transaminase (SGOT), Serum glutamate pyruvate transaminase (SGPT), alkaline phosphatase, total cholesterol, triglycerides, High-Density Lipoprotein (HDL), Low-Density Lipoprotein (LDL), uric acid, calcium, phosphorus, sodium, potassium, amylase, and haemoglobin. Hormonal and immunoassay services include thyroid function tests such as TSH, FT3, FT4, thyroid peroxidase antibody, ferritin, prostate-specific antigen, beta human chorionic gonadotropin, and cord blood TSH. The department also performs tumour marker assays, including CA-125, CA 19-9, alpha-fetoprotein, and carcinoembryonic antigen, catering to routine, emergency, and specialized patient care services.

#### Scope:

Central Biochemistry lab operates round the clock as per Clinical & Laboratory Standards Institute (CLSI) guidelines. Instruments in our lab include 2 fully Automated Beckman Coulter AU680, 3 Immunoassay analyzers (Access2, Architect i1000SR and Minividas) and an automated electrophoretic apparatus (minilite Plus). The laboratory is managed by a team of qualified professionals-Head of Biochemistry Department, Medical Officer, Senior Scientific Officer, Biochemist, Lab Technicians, Lab assistants and Phlebotomists. The lab receives around 1000 samples daily, catering to both IP and OP services, as well as emergency and critical care units. The lab processes a comprehensive test menu, including routine biochemical investigations, liver, kidney and cardiac panels, electrolyte

and metabolic profiles, tumour markers, hormone assays, electrophoresis and emergency stat tests. Internal and external quality control programmes are implemented in accordance with Good Clinical Laboratory Practice (GCLP) standards. By operating continuously and handling a high volume of samples, the lab ensures rapid turnaround time and supports evidence-based clinical decisions 24 hours a day.

Further investigations to be introduced

1. Newborn screening
2. Neonatal screening
3. Infertility markers
4. Therapeutic drugs monitoring
5. Immunofixation
6. Hb variants

## Department of Anatomy

### Services

- As a basic subject in medicine, Anatomy plays a key role in providing a strong foundation for all specialities and also for all allied health and paramedical courses.
- Support to clinical departments through cadaver dissection training and correlation
- Training for surgical speciality and radiology trainees
- Providing cadavers for workshops and hands-on training
- As per the public need for embalming for airlifting and transport before the funeral is also done.

### Scope

- Setting up the genetic lab and the cadaver lab
- Body donation programmes and drives

## Department of Anaesthesia

On average, around 30 patients per day attend the Pre-Anaesthetic Clinic (PAC). The

department performs approximately 25–30 major surgeries per day and about 50 minor surgeries per day. In addition, the palliative care services cater to nearly 30–35 patients per week, reflecting a consistent clinical workload and comprehensive patient care services.

### Services

- Pre anaesthetic checkup clinic
- Anaesthesia for all broad and super seniority surgical procedures
- Trauma ICU services
- Attending calls from different ICUs and wards
- 24/7 emergency anaesthesia services
- Pain and palliative care OPD, IP and home care services
- Awareness classes on Cardiopulmonary Cerebral Resuscitation (CPCR) and mechanical ventilation to paramedical and nursing staffs

### Department of Psychiatry

Average outpatient attendance per day is around 100 with 80% bed occupancy

### Scope and services

- The only General Hospital Psychiatry Unit with inpatient services in the Government sector in Alappuzha district.
- Registered as a Mental Health Establishment under the Mental Healthcare Act (MHCA), 2017, and fully compliant with statutory requirements to ensure protection of the rights of persons with mental illness.
- Conducts daily outpatient services catering to a wide range of psychiatric disorders.
- Operates a 30-bed inpatient psychiatry ward, including a dedicated Child Psychiatry ward.
- Runs specialty clinics, including
  - De-addiction Clinic
  - Child and Adolescent Psychiatry Clinic

- Suicide Prevention Clinic
- Provides consultation–liaison psychiatry services to all clinical specialties and super-specialties in the institution.
- Actively involved in undergraduate medical education in Psychiatry.
- Conducts postgraduate training in Psychiatry (3 MD seats per year).
- Provides psychiatric training for graduate and postgraduate nursing students.
- Undertakes psychiatric disability assessment and certification for welfare benefits and for the Motor Accidents Claims Tribunal (MACT).
- Handles medicolegal responsibilities related to mental health care.
- Conducts a Community Psychiatry Clinic at the Urban Health Training Centre, Ambalappuzha.
- Serves as the participating institution for the State of Kerala in the National Mental Health Survey–2 (NMHS-2).

### Department of ENT

The ENT Department is functioning with 8 Faculty members, 1 SR post and 3 JR posts with 5 OP days per week. The average patient footfall in the OP is 220 patients per OP, 1100 per week. In addition, around 50-70 patients are treated in the casualty. We also do routine endoscopy procedures in all OP days and minor OT days. IP admission is around 85-90% throughout the year.

### Services:

The department provides 24-hour casualty services, ensuring quality clinical care to patients. In addition to routine services, the department runs specialty clinics, with proposed clinics including a Vertigo Clinic, Allergy Clinic, and Swallowing Assessment Clinic. The department offers various outpatient diagnostic procedures, including diagnostic nasal endoscopy, oto-endoscopy, and 70-degree rigid and flexible pharyngolaryngeal scopy. Routine emergency procedures and surgeries such as tracheostomy, foreign body removal, and management of epistaxis are performed round the clock. Several faculty members are actively involved in research activities, and the department regularly conducts workshops to enhance knowledge and clinical skills.

The department has two major operation theatre days and two minor operation theatre days per week. A wide range of routine ENT surgeries are performed, including adenotonsillectomies, functional endoscopic sinus surgery including Dacryocystorhinostomy (DCR), Middle Meatal Antrostomy (MMA), full Functional Endoscopic Sinus Surgery (FESS), septoplasties, endoscopic medial maxillectomies and CSF leak repair, mastoid explorations, tympanoplasties, neck dissections, direct laryngoscopies, hypopharyngoscopies and oesophagoscopies.

The department maintains an inpatient ward with 30 beds, including 10 teaching beds for both male and female patients. Separate postoperative wards are expected to be provided shortly. ICU beds are available for emergency situations. The department is equipped with an audiology unit where pure tone audiometry, otoacoustic emissions, brainstem evoked response audiometry and tympanometry are routinely carried out.

The department conducts regular undergraduate clinical postings, training multiple batches throughout the year in accordance with the competency-based medical education curriculum. Teaching-learning methods are integrated into the academic schedule along with Attitude, Ethics, and Communication (AETCOM) modules, mentoring and a structured feedback system. Undergraduate students are encouraged to participate in research activities. Postgraduate training is provided with an annual intake of three junior residents. Casualty duties are managed by the residents under the supervision of a duty medical officer. The postgraduate training programme includes structured academic sessions using various teaching-learning modules, research activities and district residency programme postings. Residents receive progressive surgical training during theatre days, with junior residents in their first and second years are primarily spent assisting, while third-year residents perform surgeries independently under faculty supervision. Regular theory and practical assessments are conducted. Postgraduate trainees are encouraged to attend conferences, workshops and participate in medical camps as required.

### **Department of Pulmonary Medicine**

#### **Services:**

There are 30 beds, single units providing the following services: Bronchoscopy, Thoracoscopy, Sleep study & Ultrasound guided procedures. During the last year, the

Department of Pulmonary Medicine recorded a total of 13,654 outpatient visits, 496 inpatient admissions, and 769 casualty attendances, indicating a substantial patient load and active involvement in emergency, inpatient, and outpatient care services.

### Scope:

- Occupational lung disease OP: The department was sanctioned a research centre for occupational lung diseases by the Government in the previous year. However, due to the COVID-19 pandemic, activities related to this centre could not be initiated. In the near future, the department plans to start an occupational lung disease outpatient clinic once a week to cater to coir workers and prawn peelers of the district.
- A state-of-the-art pulmonary rehabilitation centre is proposed to be established within the department for patients with chronic obstructive pulmonary disease and interstitial lung disease. This facility can be developed using the existing pulmonary physiotherapist posted under Hyperactive Dysfunction Syndrome (HDS) and the available infrastructure. The required equipment is proposed to be procured at an approximate cost of ₹10 lakhs.
- Starting Respiratory ICU – The department proposes to start a respiratory intensive care unit, which is mandatory for running a postgraduate course as per National Medical Commission regulations.
- Starting Diploma In Respiratory Therapy course: 2-year course 4 seats
- For initiating research activities at the sanctioned research centre for occupational lung diseases, the department requires the appointment of a medical officer to function as a research assistant. The proposed qualification for the post is MBBS, with an approximate salary of Rs. 50,000 per month, amounting to Rs. 6 lakhs per year.
- Creation of non-teaching post: At present, there are no sanctioned non-teaching posts in the department, and services are being managed using temporary staff provided by HDS. A large number of patients require pulmonary function tests, allergy testing, and fibre-optic bronchoscopy. The teaching staff is currently involved in clerical and administrative duties, which significantly reduces the time available for teaching and research activities. Hence, the creation of the following

non-teaching posts is urgently required for the smooth functioning of the department and the proposed research centre.

- One clerical staff, with qualifications as per Government rules, with an approximate salary of Rs. 30,000 per month.
- One confidential assistant, with qualifications as per Government rules, with an approximate salary of Rs. 30,000 per month.
- One attender, with qualifications as per Government rules, with an approximate salary of Rs. 20,000 per month
- Enhancement of bed strength and creation of 2 units: The existing bed strength of the department is 20 male beds and 10 female beds, totalling 30 beds. It is proposed to enhance the bed strength to 60 beds, comprising 40 male and 20 female beds, and to function as two separate units.
- Purchase of equipment:
  - Forced oscillation technology machine - approximate cost – 10 lakhs
  - FENO (Fraction of Exhaled Nitric Oxide) - approximate cost – 4.25 lakhs
  - EBUSS (Endobronchial Ultrasound)- approximate cost – 75 lakhs

### **Department of Cardio-Vascular Thoracic Surgery**

#### **Scope and services:**

- Projects under development:
  - MICS – Minimally invasive cardiac surgery programme
  - VATS – Video Assisted Thoracoscopic Surgery Heart and Lung transplant programme
  - Endovascular interventions
- To start MCh. Course in Cardiovascular & Thoracic Surgery

#### **Allied Departments**

These departments support academic, diagnostic, and outreach functions.

- College of Pharmaceutical Sciences
- Physical Education Department

- Biomedical Engineering
- Central Library
- REIC / Autism Centre
- ART Centre (Ushas)
- Regional PEID Cell
- SBMR
- STI Clinic (Pulari)
- SRL, ICTC, Mittayi
- E-Health & E-Sanjeevani
- One Health Initiative
- Organ Transplant Authorization Committee



Figure 13. Central Library



Figure 14. DSA Unit

### Support Services

Essential services that ensure seamless hospital operations.

- Blood Bank: Component separation, apheresis, 24x7 availability
- Central Sterile Supply Department (CSSD): Sterilization of surgical instruments
- Pharmacy: Inpatient and outpatient dispensing, formulary control
- Radiology: MRI, CT, DSA, ultrasound, mammography, digital radiography

- Laboratory Services: Biochemistry, haematology, microbiology histopathology
- Digital Queue System: Patient flow management
- Lift for Disabled: Accessibility enhancement
- Water Treatment Plant: Potable water across campus (proposed)
- Security Systems: CCTV, biometric access, fire safety.
- Mortuary services: 16 freezer units



Figure 15. CCTV Surveillance

### 3.3 Performance Indicators

The hospital maintains full bed occupancy and handles high volumes of emergency cases and deliveries. Specialized units like Neonatal Intensive Care Unit (NICU), Paediatric Intensive Care Unit (PICU), and dialysis stations ensure comprehensive care. Over 14,000 major surgeries are performed annually. OPD footfall exceeds 9 lakh per year. Emergency triage handles 300+ cases daily. The institution conducts over 5,000 deliveries annually. Oncology and nephrology services are expanding. Patient satisfaction and throughput are monitored regularly. Performance metrics are reported to the Directorate of Medical Education. The hospital is a regional referral centre for complex cases.

- Bed Strength: 1662 with 100% Occupancy
- ICU beds: 165
- Emergency Cases: Average 300 per day
- Ventilators: 58

- Intensive Care Units – Multi-Disciplinary ICU (SICU, MICU, SDICU)
  - Trauma ICU
  - Emergency ICU
  - Paediatric ICU, Sick New-born ICU, Neonatal ICU
  - Obstetric ICU
  - ICU 's in Super Specialty Block: SICU, MICU, ICCU.

### Department wise Patient Statistics

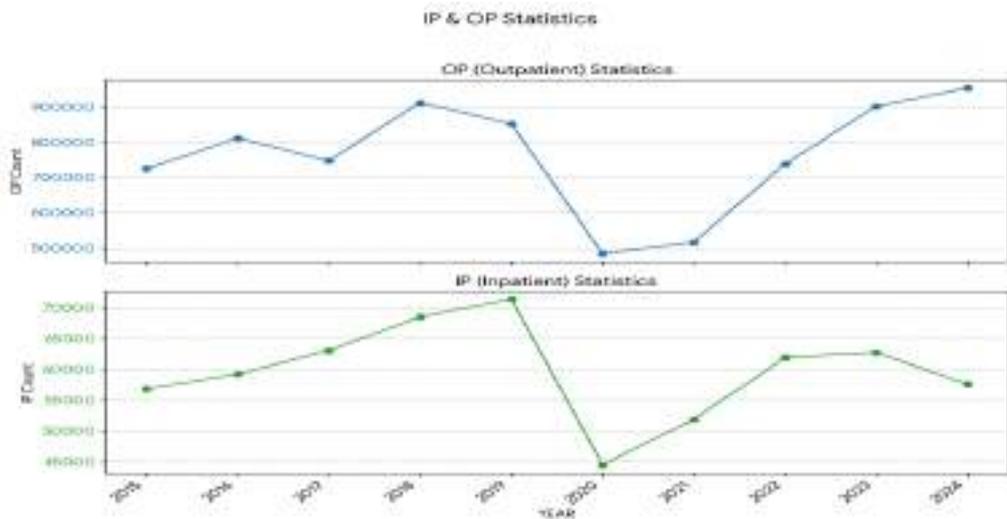
**Table 8. Department wise monthly OP footfall**

Department	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
Cardiology	4703	4279	4692	4380	4940	5318	5469	5180	5406	5946	5185
CTVS	244	241	247	296	242	242	308	271	369	298	276
D & V	6222	5091	4924	5903	5988	6264	6717	5974	6576	6889	6133
ENT	3985	3454	3261	3887	3801	3735	4485	3885	4451	5020	4174
Family Planning	206	162	200	199	238	155	132	126	-139	190	180
General Medicine	9289	8090	7730	8129	8391	8337	9972	9551	9592	1029 5	9194
General Surgery	3918	3596	3733	4064	4232	3982	4203	3928	4311	4615	4157
OMFS	579	473	778	986	1020	912	604	607	750	825	778
Gastroenterology	604	610	604	756	566	563	751	609	750	608	609
Neurology	3765	3215	3129	3696	3474	3407	3965	3951	3870	3879	3511
Nephrology	2138	1584	1597	1905	1627	1608	2030	1761	1608	2167	1751
Neurosurgery	463	440	442	529	553	485	607	606	576	557	583

Newborn Follow up	193	181	269	272	275	272	300	326	319	335	294
OBG	2745	2785	3007	2848	2882	2669	3043	2681	2960	3171	2818
Ophthalmology	5476	4434	3932	4860	4824	5191	5829	4811	5468	6540	5790
Ophthalmology Speciality	125	97	56	53	64	145	140	164	122	206	222
Orthopaedics	6857	6122	6190	7013	7013	6730	7464	6688	7299	7648	6929
Paediatrics	3890	3458	2665	2953	2642	2818	4243	3602	4384	4684	4013
Paediatric Surgery	570	485	508	573	636	558	599	488	525	623	555
PMR	652	595	646	678	692	639	679	737	728	891	745
Psychiatry	2536	2194	2376	2381	2538	2444	2560	2556	2623	2681	2599
Pulmonary Medicine	1349	1057	949	1133	949	894	1132	1247	1121	1506	1177
Radiotherapy	2514	2228	2373	2479	2547	2568	2628	2569	2645	2816	2467
Urology	1445	1410	1666	1728	1492	1707	1680	1512	1649	1698	1468
Palliative clinic	66	67	72	67	69	56	56	77	69	66	91
Plastic Surgery	101	83	94	111	173	103	133	96	91	159	95
Neurorehabilitation clinic	0	0	10	43	40	55	80	59	84	82	108
Casualty	1811 3	1673 0	1581 8	1544 6	1620 5	1672 0	2006 8	1903 6	1822 9	1896 1	17689
Pediatric Nephrology	66	37	34	49	54	45	58	39	48	54	30

Diabetic clinic	33	29	22	29	25	24	34	22	27	20	2
Preventive clinic	657	824	958	910	1345	1114	1021	1064	1017	794	42
Pediatric Neurology	0	0	0	1	0	1	1	1	0	0	0
Pediatric Endocrinology	0	0	0	0	0	0	29	37	52	72	62
TOTAL	8350	7405	7298	7835	7953	7976	9102	8426	8785	9429	83727
	4	1	2	7	7	1	0	1	0	6	

**Out-Patients and In- Patient Statistics**



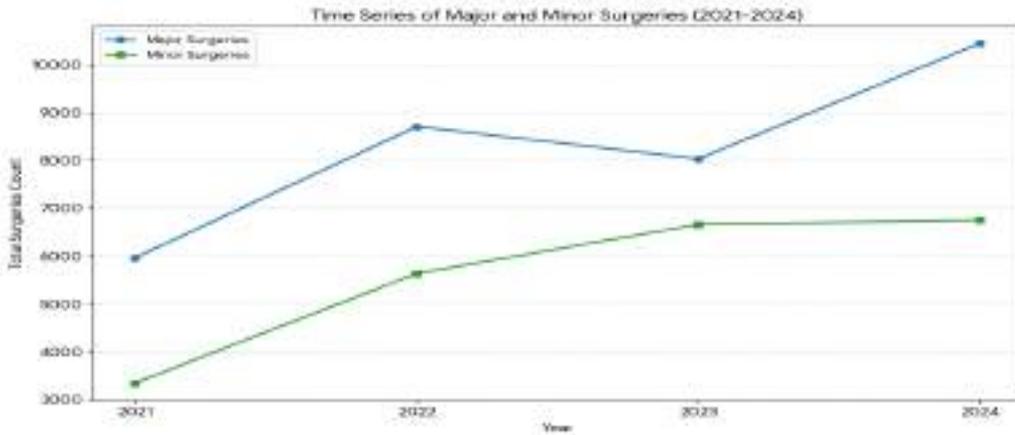
**Figure 16. Trends in Ip & Op Statistics**

**Table 9. Annual IP & OP statistics**

YEAR	OP (Outpatient)	IP (Inpatient)
2015	7,23,674	56,822
2016	8,11,788	59,216

2017	7,47,111	63,058
2018	9,12,109	68,532
2019	8,51,611	71,373
2020	4,84,215	44,534
2021	5,16,542	51,890
2022	7,37,889	61,887
2023	9,02,042	62,714
2024	9,52,987	57,590
2025 (Jan to Oct 31)	8,25,626	48,510

**Major & Minor Surgeries**



**Figure 17. Trends in Major & Minor Surgeries**

**Table 10. Department wise annual major & minor surgeries**

<b>Department</b>	<b>2021 (Major )</b>	<b>2021 (Minor )</b>	<b>2022 (Major )</b>	<b>2022 (Minor )</b>	<b>2023 (Major )</b>	<b>2023 (Minor )</b>	<b>2024 (Major )</b>	<b>2024 (Minor )</b>
General Surgery	881	490	1462	1426	1751	1374	1640	1428
Orthopaedics	1113	29	1740	10	2021	1621	2112	308
Dental (OMFS)	46	1	70	8	59	7	94	5
ENT	111	71	251	212	350	395	519	920
Urology	248	841	478	1170	41	82	542	1307
Ophthalmology	388	146	908	292	1080	284	1087	445
Neurosurgery	90	1	146	5	235	4	306	21
Paediatric Surgery	211	22	281	96	304	96	315	62
Cardiology	1106	601	1402	706	1795	2343	1999	756
CTVS	71	0	125	0	88	94	100	85
OBG	1699	322	1850	450	315	364	1739	408
Trauma/OT	0	816	0	1261	0	0	0	0
Family planning	0	0	0	0	0	0	0	937
Plastic Surgery	0	0	0	0	0	0	6	55
Psychiatry (ECT)	0	0	0	0	0	0	0	17
<b>TOTAL</b>	<b>5964</b>	<b>3340</b>	<b>8713</b>	<b>5636</b>	<b>8039</b>	<b>6664</b>	<b>10459</b>	<b>6754</b>

With a multidisciplinary approach, the institution delivers precise diagnostics, evidence-based treatments, and patient-centred care across all major specialties. Each department functions with a clear purpose: to serve the community ethically, efficiently, and empathetically. From emergency response to specialized interventions, the hospital's clinical framework is designed to uphold public health priorities while advancing medical standards.

### Emergency & Trauma Services

- 24x7 emergency department with triage, resuscitation, and trauma bays
- Poison management, medico-legal documentation, forensic coordination
- Integrated ambulance services and disaster response protocols

### Maternal & Child Health

- NICU and PICU with advanced neonatal ventilators
- Antenatal, postnatal, and immunization clinics
- Schemes: Janani Suraksha, Rashtriya Bal Swasthya Karyakram (RBSK), Sukrutam



**Figure 18. PICU**

### Specialized Units

- Intensive Care Units – Multi-Disciplinary ICU (SICU, MICU, SDICU)
  - Trauma ICU
  - Emergency ICU

- Paediatric ICU, Sick New-born ICU, Neonatal ICU
- Obstetric ICU
- ICUs in the Super Specialty Block: SICU, MICU, and ICCU.
- Cath Labs: One fully equipped lab for cardiac interventions and a new one sanctioned oncology: Radiotherapy, chemotherapy, palliative care



**Figure 19. Cath Lab**

- Dialysis Unit: 24-station capacity with haemodialysis and peritoneal dialysis
- Organ Transplant Authorization Committee: State-level coordination for ethical approval

### **Hospital Development Society: Driving Institutional Growth & Service Quality**

- The Hospital Development Society (HDS) at TDMCA plays a key role in enhancing infrastructure, patient services, and operational efficiency. Functioning under the leadership of the Hon'ble District Collector as Chairperson and the Superintendent as Secretary, the HDS facilitates resource mobilization, fund utilization, and project execution for hospital improvement.
- It supports initiatives such as equipment procurement, facility upgrades, sanitation enhancement, and patient welfare schemes, often bridging gaps not covered by routine government allocations. The society also enables

community participation, donor engagement, and transparent financial oversight, reinforcing the institution's commitment to responsive and **accountable healthcare delivery**.

### **Support Services: Enabling Safe, Efficient, and Reliable Care**

Government T.D. Medical College Hospital, Alappuzha is supported by a robust network of technical and clinical service units that ensure uninterrupted patient care and operational excellence. These services form the backbone of hospital performance, working silently yet critically behind the scenes.



**Figure 20. Liquid Oxygen Plant**

### **Blood Bank**

The Blood Bank ensures safe and timely availability of blood and blood components for surgeries, emergencies, and routine care. It follows strict screening protocols and supports regular donation drives, helping maintain a reliable and ethical supply chain.

### **CSSD (Central Sterile Supply Department)**

CSSD plays a vital role in infection control by sterilizing surgical instruments and medical supplies. It ensures that all reusable equipment meets hygiene standards, supporting safe procedures across wards and operating theatres.

### **Pharmacy**

The hospital pharmacy provides essential medications to both inpatients and outpatients. It supports various government health schemes, maintains accurate inventory, and ensures rational drug use through pharmacist guidance and compliance tracking.

### **Central Workshop & Biomedical Wing**

This unit maintains and repairs critical medical equipment across departments, ensuring functionality and safety. It supports installation, calibration, and preventive maintenance, working closely with procurement teams and external agencies to uphold technical reliability

### **3.4 Challenges and Gaps**

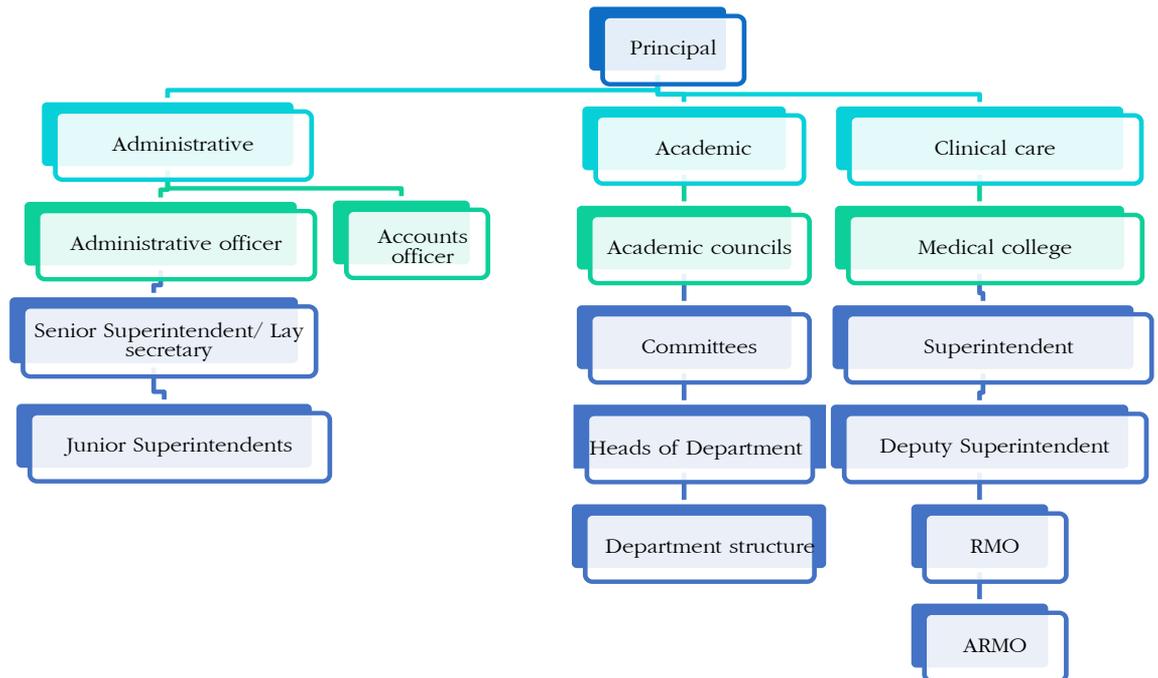
The Trauma Care Block is under construction, limiting emergency expansion. A water treatment plant is proposed to enhance sustainability. Administrative and recreational infrastructure is being upgraded. Digital integration across departments is on-going. Biomedical waste management needs strengthening. Accessibility features are being expanded.

## Chapter 4

### HUMAN RESOURCES PROFILE

TDMCA maintains a robust human resource structure comprising teaching and non-teaching staff. Faculty include professors, associate professors, assistant professors, and tutors across clinical, non-clinical, and super-specialty departments. Non-teaching staff include nurses, technicians, administrative officers, and support personnel. The hospital operates 24x7, requiring round-the-clock staffing in emergency, ICU, and diagnostic units. Recruitment follows Kerala PSC and Directorate of Medical Education guidelines. Staff are trained through CME programmes, simulation workshops, and national conferences. HR data is maintained in Annexure 2, detailing sanctioned posts and filled positions. Staff quarters and hostels are available on campus for residential convenience. Gender equity and inclusive hiring practices are emphasized. Human resource planning aligns with service delivery and academic expansion.

#### Administrative Hierarchy



**Figure 21. Organogram**

List of faculties across departments as of September 2025 has been included in Annexure.

### Sanctioned Post Details of Staff

The Following tables showing staff patterns are incorporated below

1. Administrative Office staff
2. Hospital Non-teaching Staff
3. RHTC Chettikad & UHTC Ambalappuzha Non-teaching Staff
4. Doctors Pre and Para Clinical
5. Staff Allied Departments
6. Doctors clinical & Super Specialty

**Table 11. Administrative office staff**

Sl. No.	Designation	Sanctioned posts
1	Accounts Officer	1
2	Anaesthesia Technician	4
3	Animal Attender	2
4	Artist	1
5	Artist Photographer	1
6	Assistant professor Radiation Physics	1
7	Assistant professor Statistics	1
8	Biochemist	1
9	Biomedical Engineer	1
10	Blood Bank Technician	8
11	Bus Cleaner	4

12	<b>Cath Lab Technician</b>	3
13	<b>Clerical Attender</b>	1
14	<b>Clerk / Senior Clerk</b>	28
15	<b>Clerk Typist</b>	2
16	<b>Confidential Assistant</b>	4
17	<b>CSR Technician</b>	1
18	<b>Curator</b>	3
19	<b>Cyto Technician</b>	2
20	<b>Data Entry Operator</b>	1
21	<b>Driver</b>	12
22	<b>ECG Technician</b>	4
23	<b>EEG Technician</b>	2
24	<b>Electrician</b>	3
25	<b>Entomological assistant</b>	1
26	<b>Fair Copy Superintendent</b>	1
27	<b>Foreman</b>	1
28	<b>Full-Time Sweeper</b>	30
29	<b>Gardener</b>	3
30	<b>Health Inspector</b>	3
31	<b>Health Supervisor</b>	1

32	<b>House Keeper</b>	1
33	<b>Instrument Mechanic</b>	1
34	<b>Junior Lab Assistant</b>	34
35	<b>Junior Health Inspector</b>	2
36	<b>Junior Superintendent</b>	4
37	<b>Lab Assistant (Dialysis)</b>	4
38	<b>Lab Assistant (Junior research Assistant)</b>	2
39	<b>Lab Technician</b>	46
40	<b>Lab Technician (Pharmacy)</b>	3
41	<b>Lecturer in Health Education</b>	1
42	<b>Lecturer in Medical Sociology</b>	1
43	<b>Lecturer in Statistics and demography</b>	1
44	<b>Librarian</b>	4
45	<b>Library Attender</b>	2
46	<b>Lift Operator</b>	10
47	<b>Marker</b>	1
48	<b>Mechanic</b>	1
49	<b>Media Making Technician</b>	1
50	<b>Medical Record Librarian</b>	2
51	<b>Medical record Superintendent</b>	1

52	<b>Medical Social worker</b>	2
53	<b>Modellar</b>	1
54	<b>Mortuary Attender</b>	4
55	<b>Museum cum photographic Assistant</b>	1
56	<b>Nursing Assistant</b>	34
57	<b>Office Attendant</b>	11
58	<b>Optometrist</b>	1
59	<b>Perfusionist</b>	1
60	<b>Pharmaceutical Chemist</b>	1
61	<b>Pharmacist</b>	2
62	<b>Plumber</b>	1
63	<b>PTCE</b>	30
64	<b>Pump operator</b>	2
65	<b>Radiographer</b>	7
66	<b>Refrigeration Mechanic</b>	1
67	<b>Sanitary Worker</b>	1
68	<b>Scientific Assistant Blood Bank</b>	1
69	<b>Scientific Assistant Physiotherapy</b>	2
70	<b>Senior Scientific officer</b>	1
71	<b>Senior superintendent</b>	1

72	<b>Sergeant</b>	3
73	<b>Social Scientist</b>	1
74	<b>Social Scientist (HG)</b>	2
75	<b>Speech Pathologist &amp; Audiologist</b>	1
76	<b>Sr Administrative Officer</b>	1
77	<b>Sr Grade Librarian</b>	1
78	<b>Sr Scientific Assistant Blood bank</b>	1
79	<b>Staff Nurse</b>	59
80	<b>Statistical Assistant</b>	2
81	<b>Storekeeper (Pharmacy)</b>	1
82	<b>Telephone Operator</b>	3
83	<b>Theatre Mechanic</b>	1
84	<b>Tutor Technician MLT</b>	2
85	<b>Typist</b>	8
86	<b>Watchman</b>	12

Table 12. Hospital non-teaching staff

<b>Sl. No.</b>	<b>Designation</b>	<b>Sanctioned Posts</b>
1	<b>Accounts officer</b>	1
2	<b>Blood Bank Technician</b>	1
3	<b>Clerk / Senior Clerk</b>	16

4	<b>Confidential Assistant</b>	0
5	<b>Dhobi</b>	2
6	<b>Dietician</b>	2
7	<b>Driver</b>	1
8	<b>Electrician</b>	1
9	<b>Head Nurse</b>	75
10	<b>Hospital Attendant Grade I</b>	56
11	<b>Hospital Attendant Grade II</b>	144
12	<b>Junior Health Inspector</b>	1
13	<b>Junior Public Health Nurse</b>	2
14	<b>Junior Superintendent</b>	2
15	<b>Lab Technician</b>	12
16	<b>Lady Health Inspector</b>	1
17	<b>Lay Secretary &amp; Treasurer</b>	1
18	<b>Nursing Assistant</b>	122
19	<b>Office Attendant</b>	2
20	<b>Optometrist</b>	2
21	<b>Other Attender</b>	10
22	<b>Pharmacist</b>	26
23	<b>Pharmacist Storekeeper</b>	1

24	<b>Plumber</b>	1
25	<b>PTCE</b>	16
26	<b>Radiographer</b>	8
27	<b>Staff Nurse</b>	299
28	<b>Store Superintendent</b>	1
29	<b>Telephone Operator</b>	1
30	<b>Typist</b>	5
31	<b>Watchman</b>	2
32	<b>X Ray Attender</b>	1
33	<b>Chief Nursing officer</b>	1
34	<b>Nursing Superintendent</b>	4
35	<b>Deputy Nursing Superintendent</b>	6
Total		<b>826</b>

**Table 13. RHTC Chettikad non-teaching staff**

<b>Sl. No.</b>	<b>Designation</b>	<b>Sanctioned Posts</b>
1	<b>Junior Superintendent</b>	1
2	<b>Clerk / Senior Clerk</b>	3
3	<b>Driver</b>	1
4	<b>Pharmacist</b>	1

5	<b>Office Attendant</b>	1
6	<b>Staff Nurse</b>	6
7	<b>Lab Technician</b>	2
8	<b>Optometrist</b>	1
9	<b>PTCE</b>	1
10	<b>Nursing Assistant</b>	2
11	<b>Hospital Attender Gr II</b>	2
Total		<b>21</b>

Table 14. UHTC Ambalapuzha non-teaching staff

<b>Sl. No.</b>	<b>Designation</b>	<b>Sanctioned Posts</b>
1	<b>Clerk / Senior Clerk</b>	2
2	<b>Driver</b>	1
3	<b>Staff Nurse</b>	2
4	<b>Lab technician</b>	1
5	<b>Pharmacist</b>	1
6	<b>Optometrist</b>	1
7	<b>Office Attendant</b>	1
8	<b>PTCE</b>	1
9	<b>Nursing Assistant</b>	1
10	<b>Hospital Attender</b>	1
Total		<b>12</b>

**Grand Total – Non-Teaching Sanctioned Posts****Table 15. Total non - teaching staff sanctioned posts**

<b>Institution</b>	<b>Total Sanctioned Posts</b>
Medical College	456
Hospital	826
RHTC Chettikad	21
UHTC Ambalappuzha	12
<b>Grand Total</b>	<b>1315</b>

**Table 16. Doctors non - clinical departments**

<b>Department</b>	<b>Professor</b>	<b>Associate Prof.</b>	<b>Assistant Prof.</b>	<b>Senior Resident</b>	<b>Junior Resident</b>
Anatomy	1	3	13		6
Physiology	1	3	10		6
Microbiology	1	2	9		6
Biochemistry	1	2	6		6
Pathology	1	4	13		6
Pharmacology	1	1	8		6
Forensic Medicine	1	1	5		3
Community Medicine	1	1	12		6
<b>Total</b>	<b>8</b>	<b>17</b>	<b>76</b>		<b>45</b>

**Staff-Allied Departments****Table 17. Staff - allied departments**

Department	Professor	Associate Prof.	Assistant Prof.
Pharmaceutical Sciences	3	3	12
Physical Education		1	
Total	3	4	12

**Doctors—Clinical & Super Speciality Departments****Table 18. Doctors - clinical & super speciality departments**

Department	Professor	Associate Prof.	Assistant Prof.	Senior Resident	Junior Resident
General Medicine	6	4	13	7	48
Emergency Medicine		1	1	2	
Infectious Disease			1		
Paediatrics	1	3	14	4	27
Neonatology			1		
Pulmonary Medicine	1	1	2	2	6
Dermatology & Venereology	2	1	7	1	9
Psychiatry	1		5	3	9
Physical Medicine &			3	2	

Rehabilitation					
Paediatric Surgery		1	3		
Neuro Surgery	1		4		6
Genito Urinary Surgery	1	1	2		6
General Surgery	1	5	18	7	9
Plastic Surgery		1	2		
Orthopaedics	1	2	10	5	9
ENT	1	1	6	1	9
Ophthalmology	1	1	8	1	9
Obstetrics and Gynaecology	2	3	16	3	24
Anaesthesiology	1	2	17		12
Radio diagnosis	1	1	5		12
Transfusion Medicine & Immuno Haematology	1	1	2		3
Cardiology	1	1	4		9
Cardio Vascular Thoracic Surgery	1		1		
Radiotherapy	1	1	4		9
Radiation Physics	1	1			
Medical Oncology		1	2		

Surgical Oncology		1	2		
Oncopathology		1	1		
Cytopathology			2		
Neurology	2		2		6
Nephrology	1	1	2		6
Gastroenterology (Medical)					
<b>Total Clinical</b>	<b>29</b>	<b>36</b>	<b>160</b>	<b>38</b>	<b>228</b>

**Grand Total- Sanctioned Faculty Posts**

**Table 19. Total teaching staff sanctioned posts**

Category	Professor	Associate Prof.	Assistant Prof.	Senior Resident	Junior Resident	Total
Non-Clinical	8	17	76		45	146
Allied	3	4	12			19
Clinical	29	36	160	38	228	491
<b>Subtotal - Doctors</b>	<b>40</b>	<b>57</b>	<b>248</b>	<b>38</b>	<b>273</b>	<b>656</b>

**Grand Total – All Sanctioned Posts**

**Table 20. Total sanctioned posts**

Category	Total Sanctioned Posts
Non-Teaching Staff	1315

Doctors (Teaching)	656
Grand Total	<b>1971</b>

### Details of Nodal Officers

**Table 21. List of nodal officers**

SL No.	Name of the Scheme	Name of Nodal Officer	Designation & Department
1	eHealth	Dr. Lakshmi PL (RMO)	Asst. Prof General Surgery
2	Trauma care facilities located on National Highways	Dr. Salim MP	Asso. Prof Orthopaedics
4	Strengthening of Pharmacy Institution	Dr. Rajasree RS	Prof. & HOD Pharmacy
5	SBMR	Dr. Carol Pinheiro	Asso. Prof Community Medicine
6	National One Health programme for Prevention and control of Zoonotic diseases	Dr. Shanimole P.E	Prof. & HOD, Microbiology
7	PEID-CELL	Dr. Carol Pinheiro	Asso. Prof Community Medicine
8	SKILL LAB	Dr. Ambili N R	Asso.Prof. General Medicine
9	MEDISEP	Dr. Sethu	Asst. Prof Orthopaedics
10	E-SANJEEVANI	Dr. Anuthara Jose	Asst. Prof General Medicine
11	FRU (FILARIA RESEARCH	Dr. Udayamma K.P	Prof. General Medicine

	UNIT )		
12	K -DISK	Dr. Mariyam Rajee	Asst. Prof Community Medicine
13	AEBAS	Dr. Nithin Mathew Sam	Asst. Prof Forensic Medicine
14	PALLIATIVE CARE	Dr.Veena N	Prof. Anaesthesia
15	KARUNYAM PALLIATIVE CARE	Dr. Reshmi, Anatomy	Asst. Prof Anatomy
16	Starting/Enhancement of PG seat under Centrally sponsored Scheme	Dr. Carol Pinheiro	Asso. Prof Community Medicine
17	SSGC	Dr. Reshmi	Asst. Prof Anatomy
18	DRP	Dr. Sajad K	Asst. Prof General Medicine
19	AARDRAM	Dr. Abdul Salam	Asst. Prof Cardiology
20	PMSSY	Dr. Abdul Salam	Asst. Prof Cardiology
21	AUTISM/REIC	Dr. Jayaram Sankar K	Asso. Prof Paediatrics
22	COVID	Dr. Sajad. K	Asst. Prof General Medicine
23	NVHCP	Dr. Sreejaya	Asso. Prof Gastro
24	KHSIP	Dr.Noble Gracious	Asso. Nephrology
25	ASHADHARA (Medicine) ASHADHARA (Paediatrics)	Dr. Jayalekshmi Dr. Ranilekshmi	Asst. Prof General Medicine Asst. Prof. Paediatrics
26	MALINYA MUKTHA KERALAM	Dr. Manju S	Prof .Anatomy

27	CRITICAL CARE BLOCK	Dr. Aswathy	Asst. Prof. Anaesthesia
28	VEHICLE IN CHARGE & GOLDEN JUBILEE AUDITORIUM	Dr. Sajay PS	Asst. Prof., Anatomy
29	HAEMOPHILIA	Dr. Jayalekshmi	Gen. Medicine
30	NMC	Dr. Nithin Sam	Forensic Medicine
31	E-OFFICE	Sri Ajayakumar.K	Administrative Officer
32	SAFETY AUDIT	Dr. Alan Jude Thamby	Biochemistry
33	ANTI-RABIES CLINIC	Dr. Viswakala V.S.	Asst. Prof Community Medicine
34	KERALA HEALTH PORTAL	Dr. Rahul Chandran	Pathology
35	TRANS GENDER CLINIC	Dr. Remya G.	Asst. Prof Community Medicine
36	SENIOR RESIDENT	Dr. Jose O	Asso Prof. Paediatrics
37	PATIENT SAFETY CELL	Dr. Lakshmi P.L	RMO
38	KSDMA (□□□□□□□□□□□□□□)	Dr. Jamshid P	Forensic Medicine
39	LRC	Dr. Adhisha A.S	Pathology
40	E- DAR	Dr. Lakshmi Pl	RMO
41	NTEP	Dr. Carol Pinheiro	Comm. Med. (PUBLIC HEALTH)
	NTEP	Dr. Shajahan PS	Pulmonary (CLINICAL)
42	FIP	Dr Sumesh	Asst Prof Psychiatry
43	SKILL LAB	Dr. Ambily	Asst. Prof., General Medicine

44	Super Specialty Block	Dr. Shafeek A	Prof. & HOD, CTVS
45	MIS	Dr. Thomas Koshy	Deputy Superintendent
45	YIP	Dr. Sneha Nair	Asst. Prof., Physiology
46	NSS	Dr. Jamshid P	Asst. Prof. Forensic Medicine

## Chapter 5

### INFRASTRUCTURE DEVELOPMENT

Over the last decade, TDMCA has undergone major infrastructure upgrades. The relocation to the Vandanam campus in 2010 marked a turning point in spatial and service expansion. The Super Specialty Block was constructed under PMSSY, housing advanced departments and diagnostics. Ongoing projects include the Trauma Care Block and Administrative Block, both nearing completion. Recreational zones, ecological landscaping, and internal roads are being developed. Proposed projects include a water treatment plant and additional cath labs. Smart classrooms, simulation labs, and digital integration are prioritized. Staff quarters and hostels are being modernized. Infrastructure funding comes from PLAN FUND, NHM, and CSR contributions. Planning aligns with clinical and academic goals.

Recent major construction and ongoing partially completed works are detailed in the tables below:

#### 5.1 Major Constructions – Completed & Operational

These projects have been fully executed and are currently functional, enhancing institutional capacity and service delivery.

**Table 22. Major completed constructions**

Sl. No.	Project / Facility	Description	Funding / Cost	Status / Remarks
1	<b>Super Specialty Block (PMSSY)</b>	5-storey advanced specialty block	₹120 Cr (Central) + ₹53.18 Cr (State)	Inaugurated on 21 Jan 2023; operational
2	<b>OBG Block (NABARD)</b>	5-storey gynaecology block for women & children	₹30 Cr (₹4.5 Cr State Share)	Inaugurated on 26 Sep 2024; OP started
3	<b>Guest Room cum</b>	2-storey building with	₹2 Cr	Inaugurated

	<b>Canteen</b>	8 guest rooms & canteen		on 26 Sep 2024; e-tender ongoing
4	<b>Eco-Friendly Block for Elderly &amp; Differently-Abled</b>	Dormitories, accessible toilets, rest areas	₹50 L + ₹1 Cr (MLA Asset Plan)	Inaugurated on 26 Sep 2024
5	<b>OP Renovation (ARDRAM)</b>	Modernization of outpatient services	₹2.79 Cr	Completed
6	<b>Old Block Renovation</b>	Structural and functional upgrades	₹2.14 Cr	Completed
7	<b>PG Residential Quarters</b>	Flat-type accommodation for PG students	₹25 Cr	Completed
8	<b>Toilet Block Renovation</b>	Patient-friendly sanitation upgrades	₹10.6 Lakh	Completed
9	<b>CCTV Surveillance</b>	160 cameras across hospital	₹79.91 Lakh	Completed
10	<b>Covered Passages &amp; Dining Area</b>	Infrastructure for movement and dining	₹70 L + ₹3.76 L	Completed
11	<b>Handrails in Toilets &amp; Staircases</b>	Accessibility enhancement	₹25 Lakh	Completed
12	<b>Oxygen Pipeline Upgrade</b>	Increased oxygen beds from 93 to 923	₹33 L + ₹12 L + NHM funds	Completed
13	<b>Sewage Treatment Plant (STP) Repairs</b>	Restoration of existing STP	₹1.09 Cr	Completed

14	<b>Treated Water Collection Tank (250 KLD)</b>	Support for STP	₹56.25 Lakh	Completed
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### PMSSY Super-Specialty Block

A state-of-the-art facility inaugurated in 2023, housing advanced departments and equipment.



**Figure 22. PMSSY Super- Speciality Block**



**Figure 23. OBG Block**



**Figure 24. PG Doctors' Residential Quarters**

### 5.2 On-going / Partially Completed Constructions

These projects are in various stages of execution, with funding sanctioned and work progressing under departmental supervision.

**Table 23. Cost/remarks constructions**

Sl. No.	Project / Facility	Description	Funding / Cost	Status / Remarks
1	<b>Administrative Block cum Central Library</b>	4-storey building with e-library and admin offices	₹20.72 Cr	Will be completed soon
2	<b>Trauma Care Unit</b>	Proposed 5-storey block; 3 floors completed	₹31.38 Cr	Full fund transferred to PWD; completion by 2026
3	<b>Paramedical Lecture Hall &amp; Amenities</b>	Classrooms, common room, toilets	₹40 L (Phase 1) + ₹30 L (Phase 2)	Final phase ongoing; ₹22 Lakh proposed
4	<b>Comprehensive Stroke Centre</b>	Adjacent to Neurology Dept., foundation started	₹5 Cr	Slow progress due to limited workforce
5	<b>Oncology Block</b>	Planned 5-storey block; site prep done	₹3.2 Cr (initial) + ₹5 Cr (proposed)	Awaiting admin sanction; ₹85 Cr DPR pending
6	<b>Pay Ward</b>	New inpatient block for paid services	₹4.86 Cr	Only test piling completed
7	<b>Drugstore</b>	2-storey drug storage facility	₹9.99 Cr	Foundation work started; slow progress
8	<b>Lift for Elderly &amp; Differently-Abled</b>	Lift installation in old block	₹60 Lakh	Civil work done; electrical approval pending

9	<b>Restroom cum Toilet</b>	For patient bystanders	₹50 Lakh	Fund deposited under PWD
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**Figure 25. Trauma Care Unit**



**Figure 26. Stroke Centre**

## Chapter 6

### SPECIFIC PROGRAMMES

TDMCA implements several government health schemes to support inclusive care. The Karunya Benevolent Fund provides financial aid for poor patients. RBSK (Rashtriya Bal Swasthya Karyakram) screens children for congenital and developmental disorders. Sukrutam and Cancer Suraksha offer free diagnostics and treatment for cancer patients. Janani Suraksha supports maternal health and safe deliveries. E-Sanjeevani telemedicine connects rural patients with specialists. The Autism Centre and ART Centre provide specialized care for neurodevelopmental and HIV patients, respectively. The institution also supports organ donation and transplant coordination. These programmes are integrated with hospital services and outreach and also aligned with NHM and state health missions. Government T.D. Medical College, Alappuzha, embraces innovation not as a luxury, but as a necessity for inclusive healthcare and institutional progress. From digital queue systems and telemedicine platforms to autism care and palliative outreach, every initiative is designed to blend technology with human sensitivity. The institution's social impact is reflected in its proactive engagement with underserved communities, implementation of welfare schemes, and creation of accessible infrastructure—ensuring that modern solutions are always guided by empathy and public good

#### Government Schemes Implemented

**Table 24. Government schemes**

Scheme	Purpose
Karunya Benevolent Fund	Financial aid for poor patients
RBSK	Child health screening and referral
Sukrutam	Cancer care support
Cancer Suraksha	Free diagnostics and treatment for eligible patients
KASP	Financial Coverage for serious illnesses

JSSK	Cashless services to pregnant women & new born babies
Arogya Kiranam	Free medical care to children & adolescents
MEDISEP	Health Insurance Scheme for State Govt. Employees & Pensioners
LAQSHYA	Labour Room Quality Improvement Initiative
Anuyathra	Assistance for vulnerable patients
MBFHI	Mother & Baby friendly hospital Initiative

### Microbiology- Zoonoses Surveillance & AMR Leadership

Government T.D. Medical College, Alappuzha serves as a Sentinel Surveillance Site under the National One Health Programme for Prevention and Control of Zoonoses (NOHPPCZ), led by the Ministry of Health & Family Welfare. This initiative strengthens intersectoral coordination across medical, veterinary, and environmental domains to address emerging zoonotic threats. The Department of Microbiology, under the leadership of the Head of department, acts as the nodal unit, supported by a multidisciplinary team spanning Community Medicine, Pathology, Paediatrics, and General Medicine.

Key activities include:

- Joint outbreak investigations and IEC campaigns
- Hands-on training in WHONET data analysis and parasitic diagnostics
- Participation in national workshops and virtual platforms
- Surveillance of diseases like leptospirosis, scrub typhus, and brucellosis
- PG research on diagnostic innovations and epidemiological profiling

TDMCA is also a proud contributor to Kerala's Antimicrobial Resistance Strategic Action Plan (KARSAP). Since 2017, the institution has implemented WHONET software for real-time reporting of antimicrobial sensitivity patterns. Monthly data is submitted to the state nodal centre at GMC Thiruvananthapuram, supporting

state-wide AMR surveillance and rational antibiotic use. These initiatives position TDMCA as a regional leader in zoonotic disease control and AMR stewardship, reinforcing its commitment to public health, research excellence, and intersectoral collaboration.

### **Community Medicine: Research-Driven Outreach, Field-Based Impact;**

The Department of Community Medicine at Government T.D. Medical College, Alappuzha, stands as a cornerstone of population health advancement, seamlessly integrating academic inquiry with district-level public health action. Through its Rural and Urban Health Training Centres, the department anchors field-based learning, epidemiological surveillance, and health education across Alappuzha. Faculty-led initiatives such as the Family Adoption Programme, Road Safety Clinic, and One Health Programme exemplify its commitment to community-responsive care. Research thrives through annual workshops on qualitative methods, biostatistics, and AI in healthcare, often in collaboration with Jawaharlal Institute of Postgraduate Medical Education & Research (JIPMER) and other national bodies. The department consistently mentors students for the Indian Council of Medical Research - Short Term Studentship (ICMR STS) and KUHS appreciation awards, with projects spanning maternal health, palliative care, cancer screening, and zoonotic disease surveillance. PG theses explore occupational health, digital literacy, and geriatric well-being, while students regularly present at national conferences like GSICON, NATCON, and EPHACON— earning accolades for work on climate-linked diseases, filariasis, and multimorbidity. Public health activities include adolescent health camps, biomedical waste training, mental health surveys, and vaccination drives. The department also leads the Regional PEID Cell, contributes to the Model Rural Health Research Unit, and actively participates in Keraleeyam and Navakeralam Sadas. Its role in sensitization programmes on Nipah, dengue, and leptospirosis, along with its leadership in the National Mental Health Survey, positions it as a strategic partner in Kerala's health resilience. With a portfolio that spans research, outreach, training, and policy engagement, the Department of Community Medicine exemplifies TDMCA's ethos of "technology with empathy, outreach with impact."



**Figure 27. Observation of Anti-Microbial Resistance & World AIDS Day**

### **Biochemistry: High-Volume Diagnostics & Molecular Research**

The Central Biochemistry Lab at TDMCA operates 24/7, processing over 1,000 samples daily across OP, IP, and emergency services. Equipped with fully automated analysers (Beckman Coulter AU680), immunoassay platforms (Access2, Architect i1000SR, Minividas), and electrophoresis systems, the lab delivers rapid, evidence-based diagnostics. Test panels include liver, kidney, cardiac, metabolic, hormonal, and tumour markers, all under stringent CLSI and GCLP protocols. The department leads advanced molecular research on gene polymorphisms linked to hypothyroidism, PCOS, diabetes, osteoarthritis, and renal disease. Ongoing studies explore biomarkers such as Fetuin A, Cystatin C, homocysteine, and Anti-Thyroid Peroxidase antibodies (ATPO) titres. Comparative evaluations of creatinine estimation methods and their impact on estimated Glomerular Filtration Rate (eGFR) staging reflect the lab's commitment to precision medicine. Staffed by a multidisciplinary team, the department exemplifies TDMCA's integration of clinical service with translational science.

## Chapter 7

### EDUCATION DEVELOPMENT PLANS

At Government T.D. Medical College, Alappuzha, academic rigor is seamlessly woven with real-world relevance. The institution fosters a culture of inquiry through dynamic curricula, interdisciplinary learning, and continuous faculty development. Research thrives in clinical, community, and translational domains—addressing local health challenges while contributing to national and global knowledge. From student-led projects to funded studies, every academic pursuit is anchored in the belief that meaningful inquiry must lead to measurable impact.

#### Undergraduate Performance

- Pass Rate: Consistently above 95%
- Internship Training: Structured clinical rotations with logbook tracking
- Mentorship: Faculty-guided academic and career support

#### Postgraduate Achievements

- University Ranks: Multiple PG students securing top positions in KUHS exams
- Thesis Excellence: Research projects presented at national and international conferences
- Skill Development: Hands-on training in advanced diagnostics and procedures

#### Research Projects

- ICMR-STC 2023: 4 student research proposals selected for national funding
- Faculty Research: Studies in oncology, nephrology, infectious diseases, and public health
- Collaborative Studies: Joint projects with KUHS, NHM, and CSR-funded initiatives

#### Publications & Presentations

- Indexed journal articles in Scopus, PubMed, Web of Science
- Regular participation in CME, workshops, and symposia
- Institutional journal and annual research compendium

## Research Infrastructure

- Central Research Lab: Equipped for molecular biology, histopathology, and biochemistry
- Ethics Committee & IRB: Ensures ethical compliance and scientific rigor
- Digital Repository: Archiving theses, publications, and datasets

## ENT Department: Clinical Research Highlights:

The ENT Department at T.D. Medical College, Alappuzha, is actively engaged in patient-centred research across key domains. Recent studies include swallowing assessment post-chemoradiation, nasal endoscopy in epistaxis, and facial nerve paralysis outcomes. Comparative trials on BPPV treatment and descriptive analyses of headache and vestibular symptoms enhance clinical insight. A protocol-based study on aerodigestive foreign bodies is also underway, reflecting the department's commitment to evidence-based care and postgraduate training.

## Psychiatry: Community Engagement & Research Leadership:

The Department of Psychiatry at TDMCA combines clinical expertise with impactful outreach and research. Recent studies include psychiatric disability assessment tools, internet addiction among students, and validation of DSM-5 criteria for alcohol dependence. The department actively contributes to the National Mental Health Survey-2, in collaboration with NIMHANS and the Community Medicine department. Community psychiatry initiatives span school-based behavioural training, maternal mental health awareness, workplace stress management, and postvention services. Monthly OPDs at the Urban Health Centre, Ambalapuzha, extend care to underserved populations. Faculty have published in national and international journals on topics ranging from self-injurious behaviour to mental health in COVID isolation, reinforcing the department's role in Kerala's public mental health landscape.

## Urology: Precision Research in Renal & Prostatic Care

The Department of Urology at TDMCA is actively engaged in clinical research focused on renal stone management, prostatic disorders, and surgical outcomes. Recent studies include comparative trials on dilator techniques in Percutaneous nephrolithotomy (PCNL), scoring systems for predicting lithotripsy success, and observational analyses of

supine PCNL outcomes. Research also explores predictors of acute urinary retention, prostate cancer risk assessment tools, and infective complications post-RIRS. These projects reflect the department's commitment to advancing minimally invasive urological care through evidence-based inquiry.

### **Anaesthesiology: Research, Training & Palliative Outreach**

The Department of Anaesthesiology at TDMCA is actively engaged in clinical research spanning airway assessment, labour analgesia, opioid-free Anaesthesia, and cognitive outcomes in elderly surgical patients. Studies also explore ultrasonographic airway diagnostics and Anaesthesia techniques in urological procedures. Academic activities include regular postgraduate classes, journal clubs, and training for DOTAT students and house surgeons. The department also runs a weekly pain and palliative care clinic with inpatient support and offers living will facilitation—reinforcing its commitment to compassionate, evidence-based care.

### **General Surgery: Clinical Excellence and Academic Leadership**

The Department of General and Laparoscopic Surgery at Government T.D. Medical College & Hospital, Alappuzha delivers comprehensive surgical care through both elective and emergency services, supported by a dedicated burns unit and an intensive care unit. The department plays a vital academic role, training MBBS, MS, BDS, and BSc Nursing students with hands-on exposure to basic and advanced procedures, including laparoscopic techniques. Residents benefit from a well-equipped skill lab offering simulation-based learning under expert supervision. The department actively contributes to research, currently participating in an international randomized controlled trial (RCT), and fosters academic excellence through monthly CME programmes, clinical discussions, and regular presentations at state and national conferences. With a strong focus on patient care, education, and innovation, the department exemplifies surgical leadership and institutional commitment.

### **Anatomy: Structural Insight & Academic Innovation**

The Department of Anatomy at TDMCA is actively engaged in diverse research spanning morphometric analysis, histological studies, and radiology-integrated education. Projects include anatomical evaluations of Calot's triangle, recurrent laryngeal nerve, femur, spleen, and facial artery, alongside histomorphometric studies of thyroid, pancreas, and

skin. Faculty and junior residents contribute to both gross and microanatomical research with clinical relevance. Academic initiatives include a state-level MBBS quiz competition, a CME on radiological anatomy, and creative student-led activities such as dissection-based model making, face painting, and poster presentations—fostering experiential learning and anatomical curiosity

### **Physiology: Foundational Research & Student-Centred Innovation**

The Department of Physiology at TDMCA blends foundational science with applied research and academic creativity. Recent studies explore cardiovascular autonomic responses, pulmonary function in coir workers, QT interval variations, and mindfulness-based interventions among medical students. Faculty have published in national journals on prehypertension, hypothyroidism, and autonomic function in diabetes and menopause. Academic innovations include flipped classrooms, model-making competitions, and role-play-based chart presentations for MBBS students—fostering active learning and clinical relevance from the first year onward.

### **Forensic Medicine: The Bridge between Medicine and Law**

At TDMC Alappuzha, undergraduate students are rigorously trained in medicolegal protocols through integrated teaching, case-based discussions, and hands-on exposure during clinical postings. Emphasis is placed on ethical medical practice, patient rights, and legal responsibilities to ensure safe and accountable care. Regular seminars and workshops sensitize students to real-world scenarios involving consent, documentation, and forensic obligations. Postgraduate training is more intensive, with focused modules on forensic pathology, courtroom testimony, and handling complex medicolegal cases. They gain expertise through supervised autopsies, mock trials, and interdisciplinary collaboration with legal authorities. This dual-tiered approach ensures both foundational awareness and advanced competence in medicolegal practice.

### **Pharmaceutical Sciences & Public Engagement**

The College of Pharmaceutical Sciences at TDMCA actively contributes to academic innovation, public health awareness, and translational research. Recent outreach includes campus and school-based programmes for the International Day Against Drug Abuse, featuring sensitization talks, student-led street plays, and awareness campaigns. The college also represented its academic offerings at DISHA 2024, showcasing career

pathways in pharmaceutical sciences. Faculty members have published extensively in national and international journals, with a strong focus on molecular docking, phytochemical screening, and computational drug design. Notable contributions include anti-Alzheimer's, anti-inflammatory, and antidiabetic compound studies. Participation in conferences such as Amrita PharmaCON, HINCON, and Pharmacia 2024 reflects the department's research visibility. Faculty also serve as resource persons for KUHS workshops and national pharmacovigilance programmes, reinforcing the college's role in shaping Kerala's pharmaceutical education and research landscape.

TDMCA emphasizes experiential and interdisciplinary learning. Teaching methods include case-based discussions, bedside clinics, and simulation training. Faculty development programmes are conducted regularly, including workshops on biostatistics, AI in healthcare, and qualitative research. National conferences and CME events enhance academic exposure. Collaborations with KUHS, IMA, NHM, and specialty societies strengthen curriculum quality. Students are encouraged to participate in ICMR STS and KUHS research awards. The Learning Resource Centre (LRC) supports digital access to journals and reference materials. Outreach education is conducted through RHTC and UHTC.

## Chapter 8

### HDS DETAILS

The Hospital Development Society (HDS): Driving Decentralized Hospital Governance. HDS is a crucial, semi-autonomous body dedicated to elevating the quality of public healthcare services, institutional infrastructure, and overall operational efficiency. Functioning as a model for decentralized hospital governance, HDS successfully bridges resource gaps and aligns institutional needs with governmental and community support. Governance, Leadership, and Staffing the HDS is steered by a clear leadership structure that ensures both administrative authority and expert hospital management.

#### 1. Executive Leadership

- Chairman District Collector chairs the HDS, providing high-level administrative oversight and guaranteeing the Society's initiatives align seamlessly with district-level planning and state health policies.
- Manager (Hospital Superintendent): The Superintendent manages daily operations, translating the Society's funding decisions into tangible improvements and efficient service delivery within the hospital.

#### 2. Human Resources

The HDS is a major employer, responsible for critical support roles. The Society employs a total of 127 regular staff and 36 daily wage workers (total 163), who are vital for running various hospital support services and maintenance functions.

Core Mandate: Resource Mobilization and Financial Oversight the HDS's strategic importance lies in its ability to mobilize and manage funds that supplement core government allocations, thereby bridging critical funding gaps.

#### i. Fund Utilization Priorities

HDS funds are strategically utilized across key development areas:

- Infrastructure and Sanitation: Financing essential infrastructure upgrades and ensuring continuous sanitation enhancement for a safe and clean environment.

- Procurement: Expediting the purchase of necessary medical equipment, which often addresses immediate and unforeseen needs faster than standard budgetary cycles.

## **ii. Accountability and Engagement**

- Transparency: The Society maintains rigorous standards for transparent accounting and reporting to secure the trust of both state authorities and donors.
- Community Role: HDS actively facilitates community participation and donor engagement, allowing local stakeholders to directly contribute to patient welfare and institutional growth.

## **iii. Operational Management and Service Delivery**

The Society's mandate covers the operation and maintenance of vital clinical support and non-clinical patient amenities. Service Portfolio

The HDS ensures the sustained functionality of core diagnostic services and patient comfort elements:

- Clinical Diagnostics: This includes supporting the operation and maintenance of Radiodiagnosis, ECG, and Laboratory services.
- Support Services: Managing essential utilities and safety, notably security services, as well as providing patient comfort through the maintenance of the canteen, coffee shops, and comfort stations.
- Welfare: HDS sponsors and manages patient welfare schemes to provide relief and support to vulnerable patients.

## **iv. Strategic Impact and Flexibility**

Beyond daily operations, the HDS plays a key role in institutional capacity building and crisis preparedness.

Development and Preparedness

- Capacity Building: It actively supports training programmes for staff and essential outreach activities to improve community health knowledge.

- Rapid Response: The HDS's flexible financial mechanism enables a rapid response capability, proving invaluable during public health crises and disaster management situations, such as the operational demands of COVID-19.

The HDS is thus an effective model for empowering local institutions to achieve operational excellence and responsiveness.

## Chapter 9

### INNOVATIVE PROGRAMMES & CENTRES

TDMCA leads several innovative initiatives in healthcare delivery and research. Digital health tools include biometric attendance, queue systems, and e-hospital integration. Inclusive infrastructure features ramps, tactile signage, and wheelchair-accessible OPDs. Specialized centres include the Autism Centre, ART Centre, and Palliative Care Unit. The institution is a sentinel site for zoonoses surveillance under NOHPPCZ. Antimicrobial resistance monitoring is conducted using WHONET software. The One Health Initiative promotes intersectoral coordination for zoonotic disease control. AI-based diagnostics and digital literacy programmes are being piloted. Outreach includes adolescent health, geriatric care, and occupational health.

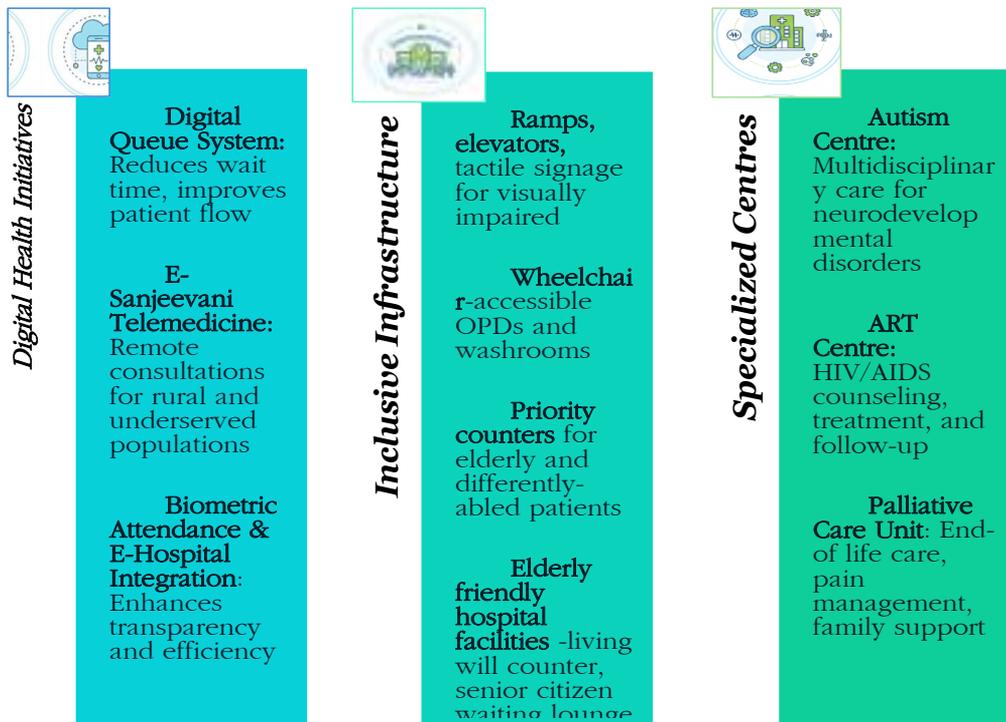


Figure 28. Innovative Programmes

## LABMEDCON 2024

CME on “Good Clinical Laboratory Practices” was conducted on 29<sup>th</sup> of June 2024 at Vahada Auditorium, Alappuzha with 2.5 Kerala State Medical Council (KSMC) credit hours. Four thought-provoking and enlightening sessions were led by Dr. Hari Sankar (Head, Dept. of Biochemistry, DDRC Agilus), Dr. Ragi K. V. (Consultant Pathologist, S. K. Hospital, Thiruvananthapuram), Dr. Varsha Birla (Head, Metropolis Healthcare, Mumbai) and Mr. Narendra B. Gali. A total of 31 e-posters were finally selected and displayed in the CME. More than 250 offline and over 300 online candidates participated in this hybrid mode CME.



**Figure 29. CME on Clinical Laboratory Practices – LABMEDCON**

## Launch of General Books Section at the Medical college Library

“Thakazhi reading corner” is a new addition which aims to cater to the diverse reading interests of students, faculty and staff; offering a wide range of books beyond medical literature. From fiction to self-help and from classics to contemporary bestsellers, the general books section is designed to provide a relaxing and enriching reading experience that will enrich the minds and nurture empathy, creativity and critical thinking, which are essential qualities for future healthcare professionals.



**Figure 30. Inauguration of Thakazhi Reading Corner**

### Help Desk Counter

Help desk counter was inaugurated on 10<sup>th</sup> Dec 2025. It will aid in streamlining the patient flow, help in communicating key information to patients and provide a positive first point of contact with the patient and bystanders. It will enhance the patient-friendly atmosphere in the hospital.



**Figure 31. Inauguration of Help Desk**

## Chapter 10

### FUND UTILIZATION

TDMCA receives funding from PLAN FUND, PMSSY, NHM, and CSR sources. Infrastructure development, equipment procurement, and service expansion are supported through these funds. The Hospital Development Society (HDS) bridges gaps in non-plan expenditures. Financial planning aligns with institutional priorities and government schemes. Expenditure data is detailed in the Expenditure Overview and Non-Plan Summary sections. CSR contributions support specialized units and outreach programmes. Budgeting includes staff salaries, maintenance, and academic activities. Fund utilization is monitored through internal audits and external reviews. Transparent reporting is maintained for all stakeholders. Financial sustainability is a key focus of institutional planning.

This section covers institutional adherence to regulatory standards, governance, and scheme execution.

- **Accreditation Pursuit:** The institution is undergoing the process for National Accreditation Board for Hospitals & Healthcare Providers (NABH) for quality certification.
- **Governance & Accountability:** The Administrative structure is led by the Principal and Medical Superintendent, ensuring governance is rooted in integrity, transparency, and teamwork.
- **Process Compliance:** Includes transparent tendering, proper fund utilization, maintenance of proper stock registers, and internal audits/third-party inspections, with coordination across government bodies like DME, NHM, PWD, and KMSCL.
- **Financial Compliance (as of March 31, 2025):**
  - Overall Utilization of Plan Schemes is 70.28 percent (Total Expenditure: ₹13.39 crore).
  - Non-Plan Expenditure utilization rate is 88.83 percent (Total Expenditure: ₹111.60 crore).
- **Disease Surveillance & Management:**

- Functions as a Sentinel Surveillance Site for the National One Health Programme for Prevention and Control of Zoonoses (NOHPPCZ).
- Actively contributes to Kerala's Antimicrobial Resistance Strategic Action Plan (KARSAP).
- Has been implementing WHONET software for real-time reporting of antimicrobial sensitivity patterns since 2017.

The following data are included below

1. Expenditure overview of plan schemes.
2. Non-Plan Expenditure
3. High-end equipment currently used for treatment of patients in Govt TD Medical College, Alappuzha.

### Expenditure Overview of Plan Schemes (as on 31.03.2025)

Government T. D. Medical College, Vandanam, Alappuzha has implemented a range of plan schemes aimed at infrastructure development, modernization and service enhancement. As of 31<sup>st</sup> March 2025, the total budget provisioned across 14 schemes stood at ₹21.22 crore, with ₹19.05 crore received as allotment. The cumulative expenditure reached ₹13.39 crore, reflecting an overall utilization rate of 70.28%.

### High Performing Schemes

Several schemes demonstrated near-complete utilization, indicating efficient fund deployment and project execution.

**Table 25. Expenditure overview of high performing schemes**

Schemes	Expenditure %	Remarks
Minor Works (Head 17 MV)	100.00%	Fully utilized
Waste Treatment Facilities	95.56%	Near full execution
Maternal & Child Health Unstandardization	93.24%	Substantial progress

M & S (Head 24)	91.64%	Strong performance
State PEID Cell	99.18%	Almost fully utilized

These schemes reflect the institution's commitment to infrastructure enhancement, waste management and maternal health services.

### Summary Table

**Table 26. Summary -expenditure overview of plan schemes**

Particulars	Amount (₹)
Total Budget provision	21,21,53,900
Allotment received	19,05,65,883
Total Expenditure	13,39,37.662
Overall Utilization	70.28%

### Non-Plan Expenditure Summary—March 2025

As of 31<sup>st</sup> March 2025, the institution recorded a total non-plan expenditure of ₹111.60 crore against an allotment of ₹125.64 crore, reflecting an overall utilization rate of 88.83%. The expenditure spans across salary components, operational costs, maintenance, scholarships and utilities.

### High-End Equipment

**Table 27. List of high-end equipment procured**

Sl.No	Equipment name	Department	Use/Function
1	<b>MRI Scanner</b>	Radiology	High-resolution imaging of brain, spine & soft tissues
2	<b>CT Scanner</b>	Radiology	Cross-sectional imaging for trauma, stroke & oncology

3	<b>Digital Subtraction Angiography (DSA)</b>	Radiology	Vascular imaging for neuro and cardiac interventions
4	<b>Digital Mammography</b>	Radiology	Breast cancer screening
5	<b>CR System</b>	Radiology	Digital X-ray imaging and processing
6	<b>Portable X-Ray Machine</b>	Radiology/CO VID	Bedside imaging in ICUs & processing
7	<b>Cath Lab</b>	Cardiology	Interventional cardiac procedures
8	<b>Electrophysiology Setup</b>	Cardiology	Diagnosis and treatment of arrhythmias
9	<b>IVUS (Intravascular Ultrasound)</b>	Cardiology	Imaging inside blood vessels
10	<b>Holter Monitor</b>	Cardiology	24-hour ECG monitoring
11	<b>TMT Machine</b>	Cardiology	Cardiac stress testing
12	<b>ECMO Machine</b>	CVTS	Extracorporeal life support
13	<b>Heart-Lung Machine</b>	CVTS	Cardiopulmonary bypass during surgery
14	<b>ACT Machine</b>	CVTS/Cardiology	Coagulation monitoring during procedures
15	<b>Neuronavigation System</b>	Neurosurgery	Image-guided brain and spine surgery
16	<b>Operating Microscope</b>	Neurosurgery /Ophthalmology	Microsurgical precision
17	<b>Neuro Endoscope</b>	Neurosurgery	Minimally invasive brain procedures
18	<b>Intraoperative Neurophysiological Monitoring</b>	Neurosurgery	Real-time nerve monitoring during surgery

19	<b>Phacoemulsification System</b>	Ophthalmology	Cataract surgery using ultrasonic emulsification
20	<b>OCT Machine</b>	Ophthalmology	Retina and optic nerve imaging
21	<b>Green Laser with Slit Lamp</b>	Ophthalmology	Retinal photocoagulation
22	<b>Retinal Camera for ROP Screening</b>	Ophthalmology	Imaging for premature infants
23	<b>Automated Field Analyzer</b>	Ophthalmology	Visual field testing
24	<b>Video Colposcope</b>	OBG	Cervical screening and biopsy guidance
25	<b>Foetal Monitor</b>	OBG	Monitoring foetal heart rate and contractions
26	<b>Myoma Morcellator</b>	OBG	Minimally invasive fibroid removal
27	<b>HD Laparoscopic Set</b>	Surgery/Urology/OBG	Advanced minimally invasive surgery
28	<b>Harmonic Scalpel</b>	Surgery	Ultrasonic cutting and coagulation
29	<b>Holmium Laser</b>	Urology	Stone fragmentation and soft tissue ablation
30	<b>ESWL (Lithotripsy)</b>	Urology	Non-invasive kidney stone treatment
31	<b>Flexible Cysto-Nephroscope</b>	Urology	Endoscopic visualization of urinary tract
32	<b>PCNL Set</b>	Urology	Percutaneous nephrolithotomy procedures
33	<b>Bipolar TURP Set</b>	Urology	Prostate resection

34	<b>Endoscopic Ultrasound</b>	Gastroenterology	Imaging of GI tract and surrounding organs
35	<b>Video Gastroscope &amp; Colonoscope</b>	Gastroenterology	Diagnostic and therapeutic endoscopy
36	<b>Semi-Automated Reprocessor</b>	Gastroenterology	Endoscope cleaning and disinfection
37	<b>Automated Biochemistry Analyzer</b>	Biochemistry	High-throughput blood analysis
38	<b>Fully Automated Immunoassay Analyzer</b>	Biochemistry	Hormone and infectious disease testing
39	<b>PCR Machine</b>	Biochemistry/ Microbiology	Molecular diagnostics
40	<b>Gel Electrophoresis System</b>	Biochemistry	DNA/RNA separation
41	<b>Elisa Reader &amp; Washer</b>	Biochemistry/ Microbiology	Immunological testing
42	<b>UV Spectrophotometer</b>	Biochemistry	Quantitative analysis of biomolecules
43	<b>Cryofuge</b>	Blood Bank	Plasma separation under low temperatures
44	<b>Apheresis Machine</b>	Blood Bank	Component separation from donor blood
45	<b>Platelet Incubator</b>	Blood Bank	Controlled storage of platelets
46	<b>Walk-in Cold Room</b>	Blood Bank	Bulk storage of blood and reagents
47	<b>Coagulation Analyzer</b>	Blood Bank	PT, APTT, INR testing
48	<b>Automated Identification &amp; Sensitivity System</b>	Microbiology	Bacterial identification and antibiotic sensitivity
49	<b>Biosafety Cabinet (Class II)</b>	Microbiology	Safe handling of infectious samples

50	<b>BOD Incubator</b>	Microbiology	Bacterial culture incubation
51	<b>Central Venous Cannulation Simulator</b>	Skill Lab	Clinical training for IV access
52	<b>Paediatric Intubation Trainer</b>	Skill Lab	Neonatal airway management training
53	<b>Surgical Endo Trainer</b>	Skill Lab	Laparoscopic skill development
54	<b>Full Body Manikin</b>	Skill Lab	Emergency and procedural simulation
55	<b>Linear Accelerator</b>	Radiotherapy	Precision radiotherapy for cancer
56	<b>CT Simulator</b>	Radiotherapy	Planning radiotherapy treatments
57	<b>Comprehensive Sleep Study System</b>	Pulmonary Medicine	Diagnosis of sleep disorders
58	<b>Cardio-Pulmonary Function Testing Equipment</b>	Pulmonary Medicine	Lung and heart function assessment
59	<b>CRRT Machine</b>	Neuromedicine	Continuous renal replacement therapy
60	<b>EEG &amp; EMG Machines</b>	Neuromedicine	Brain and nerve function testing
61	<b>Transcranial Doppler</b>	Neuromedicine	Cerebral blood flow monitoring
62	<b>Neonatal Transport Incubator</b>	Paediatrics	Safe transport of critically ill new-borns
63	<b>Bubble CPAP</b>	Paediatrics	Non-invasive respiratory support
64	<b>Jaundice Meter</b>	Paediatrics	Bilirubin measurement in neonates

65	<b>Infant Radiant Warmer</b>	Paediatrics	Thermoregulation for new-borns
66	<b>Phototherapy Unit</b>	Paediatrics/Dermatology	Treatment of neonatal jaundice and skin conditions
67	<b>HFNC Machine</b>	Paediatrics/C OVID	High-flow oxygen therapy
68	<b>Digital X-Ray Machine</b>	Radiology	Instant imaging with reduced radiation
69	<b>Portable Ultrasound</b>	Multiple Departments	Bedside imaging and emergency diagnostics
70	<b>Anaesthesia Workstation</b>	Anaesthesiology	Integrated Anaesthesia delivery and monitoring
71	<b>Video Laryngoscope</b>	Anaesthesiology	Difficult airway management
72	<b>Multiparameter Monitor (High-end)</b>	ICU/OT/Multiple	Continuous monitoring of vitals
73	<b>Defibrillator with AED</b>	Emergency/ICU	Cardiac resuscitation
74	<b>Syringe Pump</b>	ICU/OT/Multiple	Controlled drug delivery
75	<b>Ventilator (Advanced)</b>	ICU/Multiple	Life support for respiratory failure
76	<b>Bronchoscope</b>	Pulmonology/ICU	Airway visualization and intervention
77	<b>USG Machine</b>	Multiple Departments	General imaging and diagnostics
78	<b>ECG Machine (12-lead)</b>	Medicine/Cardiology	Cardiac electrical activity measurement
79	<b>Central Monitor</b>	ICU/Cardiology	Real-time monitoring of multiple patients

80	<b>OT Table (Motorized)</b>	Surgery/Multiple	Patient positioning during surgery
81	<b>OT Light (LED Shadowless)</b>	Surgery/Multiple	Illumination during surgical procedures
82	<b>C-Arm (Mobile Fluoroscopy)</b>	Surgery/Orthopaedics	Real-time imaging during procedures
83	<b>Arthroscopy Camera</b>	Orthopaedics	Joint visualization and minimally invasive surgery

## Chapter 11

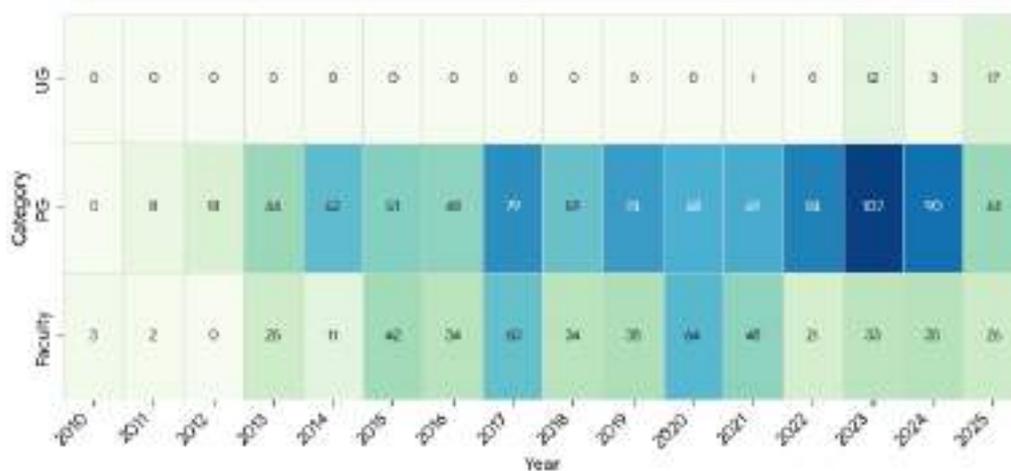
### RESEARCH INITIATIVES

Government T.D. Medical College, Alappuzha, maintains a standard of academic excellence by seamlessly integrating rigorous study with real-world health relevance. The institution cultivates a culture of critical inquiry through dynamic curricula, interdisciplinary learning, and continuous professional development for its faculty. Research is a core function, flourishing across clinical, community, and translational domains. This focus ensures that the college addresses specific local health challenges while simultaneously contributing valuable data to national and global medical knowledge. The fundamental belief guiding all academic and research endeavours, from student-led projects to externally funded studies, is that meaningful investigation must invariably lead to measurable positive impact on healthcare outcomes.

The college demonstrates strong performance across its educational programmes. Undergraduate students consistently achieve a pass rate above 95%, benefiting from structured clinical rotations and faculty-guided academic and career mentorship. Postgraduate students also excel, with multiple individuals securing top positions in Kerala University of Health Sciences (KUHS) examinations. Their academic success is complemented by rigorous hands-on training in advanced procedures and diagnostics, and their research projects regularly achieve excellence, leading to presentations at both national and international conferences. The robust research environment is further highlighted by the selection of four student proposals for the prestigious ICMR-STS national funding in 2023 & five in 2025. Six UG research projects are selected for the KUHS appreciation award for the year 2025. Three students presented their research findings at the NATCON conference conducted at GMC Trivandrum in the year 2025. Alongside faculty-led studies spanning oncology, nephrology, infectious diseases, and public health, often conducted in collaboration with institutions like KUHS and NHM. This research productivity is underpinned by state-of-the-art

infrastructure, including a Central Research Lab for molecular biology, histopathology, and biochemistry, and ethical oversight ensured by the Ethics Committee and IRC.

Total no. of Research Proposals Approved by IRC from 2010-25



**Figure 32. No: of Research Proposals Approved by IRC**

### Achievements in Student Research

- ICMR STS: In 2023, 4 students' proposals were funded by ICMR. In 2025, 5 students' proposals were selected for the ICMR grant.

**Table 28. List of ICMR funded studies**

Name of Research Project	Program me	Student Name	Admission Year & Course	Principal Investigator/Guide	Designation & Department	Status
Clinico-microbiological correlation of MRSA isolates and its significance	ICMR-STS 2023	Anjali Krishna T	2020 Admission, MBBS Student	Dr. Gireeshma Hareendranath	Assistant Professor, Microbiology	Completed
Prevalence of respiratory morbidity among	ICMR-STS 2023	Fathima Thasneem	2020 Admission, MBBS Student	Dr. Shajahan P S	Additional Professor, Pulmonary Medicine	Completed

construction workers						
Clinico-epidemiological profile and fetomaternal outcome among antenatal women in tribal area, Attapady, Kerala	ICMR-STS 2023	Swathi P	2020 Admission, MBBS Student	Dr. Jincy J	Assistant Professor, Community Medicine	Completed
Myocardial infarction among young adults and association with COVID-19 infection and vaccination	ICMR-STS 2023	Fathima S	2021 Admission, MBBS Student	Dr. Carol Pinheiro	Associate Professor, Community Medicine	Completed
Role of self-care in glycemic control among individuals with diabetes mellitus	ICMR-STS 2023	Aleena Angel	2023 Admission, MBBS Student	Dr. Anaswara Karthika P	Assistant Professor, Community Medicine	Ongoing
Improvement in functional outcome and quality of life in osteoarthritis knee patients undergoing total knee arthroplasty	ICMR-STS 2025	Krishbak ripa M Prabhu	2023 Admission, MBBS Student	Dr. Vinodkumar B P	Professor & HOD, Orthopaedics	Ongoing

Diagnostic accuracy of FNAC compared with histopathology in diagnosing thyroid malignancy	ICMR-STS 2025	Shama Fathima P A	2023 Admission, MBBS Student	Dr. Ariya Jyothi	Associate Professor, Pathology	Ongoing
Community acceptance and feasibility of self-administered fecal immunochemical test for colorectal cancer screening	ICMR-STS 2025	Rony Nixon	2023 Admission, MBBS Student	Dr. Suresh Raghavan	Professor & HOD, General Medicine	Ongoing
Delay in initiation of rabies post-exposure prophylaxis and its determinants among animal bite cases	ICMR-STS 2025	Ardra Janu	2023 Admission, MBBS Student	Dr. Sreelekshmi G R	Assistant Professor, Community Medicine	Ongoing

- KUHS Appreciation award: In 2024, 2 UG research projects were selected for the KUHS appreciation award. In 2025, 6 UG proposals were selected.



**Figure 33. Awards & Recognition for Student Research**

#### **Model Rural Health Research Unit (MRHRU):**

The college partners with ICMR in conducting research under MRHRU.

#### **Departmental Research Highlights:**

Specialized departments at T.D. Medical College are driving targeted clinical and community research. Over 250 publications in reputed national and international journals have been produced across various departments.

- ENT Department  
Conducts diverse patient-centered research, including
  - Swallowing assessment post-chemo radiation
  - Diagnostic studies such as nasal endoscopy in epistaxis
  - Comparative trials for Benign paroxysmal positional vertigo (BPPV) management
  - Aerodigestive foreign body analysis
- Psychiatry  
Combines clinical expertise with strong community outreach.  
Research themes include:
  - Development and validation of psychiatric disability assessment tools
  - Internet addiction among young adults

- Collaboration in the National Mental Health Survey-2

The department also conducts mental-health awareness programmes, school-based training, and monthly community psychiatric clinics at the Urban Health Centre.

- Urology

Focused on precision research in renal and prostatic disease, with projects such as:

- Comparative trials on PCNL techniques
- Creation of scoring systems to predict lithotripsy outcomes
- Comprehensive analyses of surgical success indicators

- Anaesthesiology

Engaged in applied research on airway assessment, labour analgesia, and opioid-free anaesthesia. A weekly Pain and Palliative Care Clinic integrates patient care with research on living will facilitation and multimodal analgesia.

- General Surgery

A major clinical department offering comprehensive care, including a dedicated burns unit.

The department is currently part of an international randomized controlled trial (RCT) and uses an advanced skill lab to support simulation-based training and research methodology.

- Anatomy

Research includes morphometric and histological studies of clinical significance, such as

- Anatomical analysis of Calot's triangle
  - Mapping variations of the recurrent laryngeal nerve
- Faculty also promote student engagement through innovative activities like dissection-based model creation.

- Physiology

Conducts applied research focused on:

- Cardiovascular autonomic responses
  - Pulmonary function among occupational groups such as coir workers
- Pedagogical innovations such as flipped classrooms and role-play enhance student learning and research orientation.
- **College of Pharmaceutical Sciences**
    - Contributes extensively to translational and computational research, including:
      - Molecular docking studies
      - Drug-design projects targeting anti-Alzheimer's, anti-inflammatory, and anti-diabetic compounds

The college also leads public health initiatives, participating in National Pharmacovigilance programmes and conducting awareness campaigns against drug abuse.

### **Future of research**

Future research will focus on climate-linked diseases, antimicrobial resistance, and multimorbidity. AI integration in diagnostics and surveillance is being expanded. Collaborative projects with JIPMER, ICMR, and KUHS are planned. Digital health and telemedicine will be studied for rural outreach. Research on adolescent and geriatric health will be prioritized. Occupational health and sanitation are emerging focus areas. Funding will be sought from national and international agencies. Ethics and community engagement will guide research design. Outputs will be published in peer-reviewed journals. Research will support evidence-based policy and innovation.

## Chapter 12

### TRAINING PROGRAMMES

Training includes CME, simulation-based learning, and disaster response drills. Outreach programmes are conducted through RHTC and UHTC in rural and urban areas. Specialized training covers adolescent health, mental health, biomedical waste management, and vaccination drives. Faculty participate in national workshops and conferences. Students are trained in clinical protocols, ethics, and communication. Simulation labs support hands-on learning. Training aligns with NMC and NHM guidelines. Interdisciplinary modules are offered in public health and research. Feedback is collected for continuous improvement. Training supports service delivery, academic excellence, and community engagement.



**Figure 34. Communicable Disease Awareness Campaign for ASHA Workers**



Figure 35. Health Education on Communicable Diseases



Figure 36. Research Methodology Workshop for Residents



**Figure 37. World Heart Day - BLS Training for Staff**



**Figure 38. Training of Health Care Professionals: Communicable Disease Update on Primary Amoebic Meningoencephalitis**

**Top  
50  
Innovations  
&  
Success Stories  
Of  
Govt. TD Medical College  
Alappuzha**



## INFRASTRUCTURE DEVELOPMENT

28,000 sq.m. Hospital Block with OPD, IPD, ICUs, Emergency, and Operation Theatres  
Super Specialty Block constructed under PMSSY, housing Cardiology, Neurology, Nephrology, and Radiology  
Mother & Child Block with NICU, PICU, labor rooms, and pediatric wards  
Trauma Care Block under construction for burns, polytrauma, and emergency surgeries  
Administrative Block nearing completion to centralize governance and planning  
Academic Block expanded with smart classrooms, simulation labs, and digital library  
Digital Learning Resource Centre (LRC) with e-journal access and quiet study zones  
Hostels & Quarters built for UG, PG, interns, nurses, and faculty  
Internal road network, curated gardens, and proposed water bodies

## PATIENT CARE SERVICES

Over 9 lakh OPD visits annually, reflecting widespread public trust  
62,714 IPD admissions per year across Kerala  
5,000+ childbirths annually, supported by Janani Suraksha  
100% bed occupancy, demonstrating full utilization  
24x7 Emergency Department handling 300+ cases daily  
Dialysis Unit with 24 stations, offering free or subsidized renal care  
Digital Queue System reducing wait times  
E-Sanjeevani Telemedicine extending specialist consultations  
Autism Centre, ART Centre, and Palliative Care Unit

## **COMMUNITY & ACCESSIBILITY**

Priority counters, ramps, elevators, and tactile signage  
Karunya Benevolent Fund, RBSK, Sukrutam, Cancer Suraksha schemes  
Organ Transplant Authorization Committee  
Community outreach centres (RHTC & UHTC) to coastal, tribal, urban areas  
School health programs, adolescent clinics, disaster response teams  
Recreational zones: cricket/football ground, courts, central canteen  
Lift access for disabled patients and staff  
Digital grievance redressal and documentation centres

## **ADVANCED MEDICAL EQUIPMENT**

3 Tesla MRI Scanner for high-resolution imaging  
128/256-Slice CT Scanner for advanced diagnostics  
DSA (Digital Subtraction Angiography) for vascular imaging  
Cath Labs for interventional cardiology (one operational, one sanctioned)  
Neonatal ventilators, infant warmers, fetal monitors  
Liquid oxygen plant for uninterrupted oxygen supply  
Trunaaat and RTPCR laboratory set up during COVID-19  
Simulation mannequins & digital anatomy tables  
Portable ultrasound machines, blood gas analyzers, defibrillators  
Mobile X-ray & trauma ultrasound units planned for Trauma Care Block  
Digital smart boards & high-speed scanners for academic and clinical documentation

**ACADEMIC &  
RESEARCH  
EXCELLENCE**

14,354 major surgeries annually  
Expansion of specialty clinics in Medicine, Paediatrics, Dermatology, Psychiatry  
Regional PEID Cell and Model Rural Health Research Unit  
Leadership in zoonotic disease surveillance under One Health Programme  
Monthly AMR data reporting via WHONET to state nodal centre  
Student research awards from ICMR and KU  
Participation in national conferences (GSICON, NATCON, EPHACON)  
Faculty development programs and CME workshops  
Case-based learning and bedside clinics integrated into curriculum  
Enhancement of PG seats in 13 departments in 2025.

**SUSTAINIBILITY  
&  
INNOVATION**

Water Treatment Plant proposed for potable water supply  
CSSD and centralized pharmacy for sterilization and distribution  
Biomedical Engineering Wing & Central Workshop for maintenance  
WHONET software for antimicrobial resistance surveillance (KARSAP)  
Biometric attendance & e-Hospital integration  
Integration of forensic medicine with emergency services  
Disaster response teams mobilized during floods and epidemics  
Family Adoption Program and Road Safety Clinic  
Active role in Mental Health Survey and Nipah sensitization

**PHOTO GALLERY**

**ACTIVITY PROFILE**

**INAUGURATION OF DSA UNIT**



### INAUGURATION OF BREASTFEEDING ROOM



### BREASTFEEDING DAY OBSERVATION



WORLD DOWN SYNDROME DAY OBSERVATION

# ലോക ഡൗൺ സിൻഡ്രോം ദിനം ആചരിച്ചു

ആലപ്പുഴ

മെഡിക്കൽ കോളേജ് ആശുപത്രിയിൽ പ്രവർത്തിക്കുന്ന റിജണൽ ഏരിയ ഇന്റർവെൻഷൻ സെന്റർ ആൽഡ് ഓട്ടിസം സെന്ററും ഇന്ത്യൻ അക്കാദമി ഓഫ് പീഡിയത്സിയോളജി ചേർന്ന് ലോക ഡൗൺ സിൻഡ്രോം ദിനം ആചരിച്ചു.

മെഡിക്കൽ കോളേജ് ആശുപത്രിയിലെ ആർ എം ഒ ഡോ. പി എൽ ലക്ഷ്മി ഉദ്ഘാടനം ചെയ്തു.

പീഡിയോട്രിക് വിഭാഗം മേധാവീ ഡോ. പി ആർ ശ്രീലത അധ്യക്ഷയായി. ഓട്ടിസം സെന്ററിന്റെ നോഡൽ ഓഫീസറും മെഡിക്കൽ കോളേജ് ആശുപത്രിയിലെ പീഡിയോട്രിക് വിഭാഗം അസോസിയേറ്റ് ഫ്രീഡോം അസോസിയേറ്റ് ഡോ. പി എൽ ലക്ഷ്മി ഉദ്ഘാടനം ചെയ്തു.



ലോക ഡൗൺ സിൻഡ്രോം ദിനാഘോഷം ആലപ്പുഴ ജയിലിൽ കോളേജ് ആശുപത്രിയിലെ ആർഎംഒ ഡോ. പി എൽ ലക്ഷ്മി ഉദ്ഘാടനം ചെയ്തു.

സിയോൾ പ്രൊഫസറുമായ ഡോ. ലതീക നായർ സ്വാഗതം പറഞ്ഞു. ഡോ. ഒ ജോസ് കുട്ടികൾക്കും മാനസികശേഷിയിൽ കുറവുള്ളവർക്കും ഉണ്ടാകുന്ന സാഹചര്യം പറ്റി സംസാരിച്ചു. ആർഎൻ കുട്ടികളുടെ വിവിധ കലാപരിപാടികളും മെഡിക്കൽ പരിശോധനയും ഉണ്ടായിരുന്നു.

FAMILY ADOPTION PROGRAMME CAMP



## REGIONAL EARLY INTERVENTION CENTRE (REIC) & AUTISM CENTRE



## INAUGURATION OF ROAD SAFETY CLINIC



**WORLD MOSQUITO DAY OBSERVATION**



**INAUGURATION OF SMOKING CESSATION CLINIC**





RECOGNITION FOR STUDENTS FOR SPORTS & ARTS



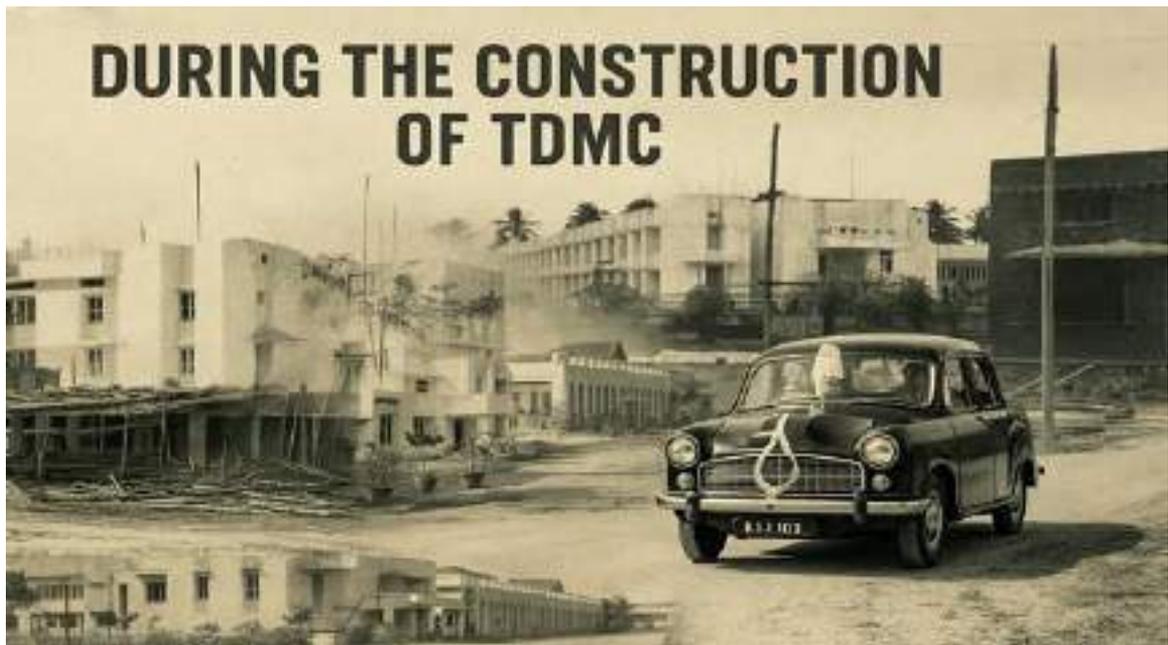
**GOVT TD MEDICAL COLLEGE & HOSPITAL COMPLEX**



## OLD DAYS



## DURING THE CONSTRUCTION OF TDMC



**Histology Lab** – One of the first laboratories established for foundational medical education.



**First Institutional Vehicle** – The college’s first official transport vehicle, symbolizing mobility and outreach.

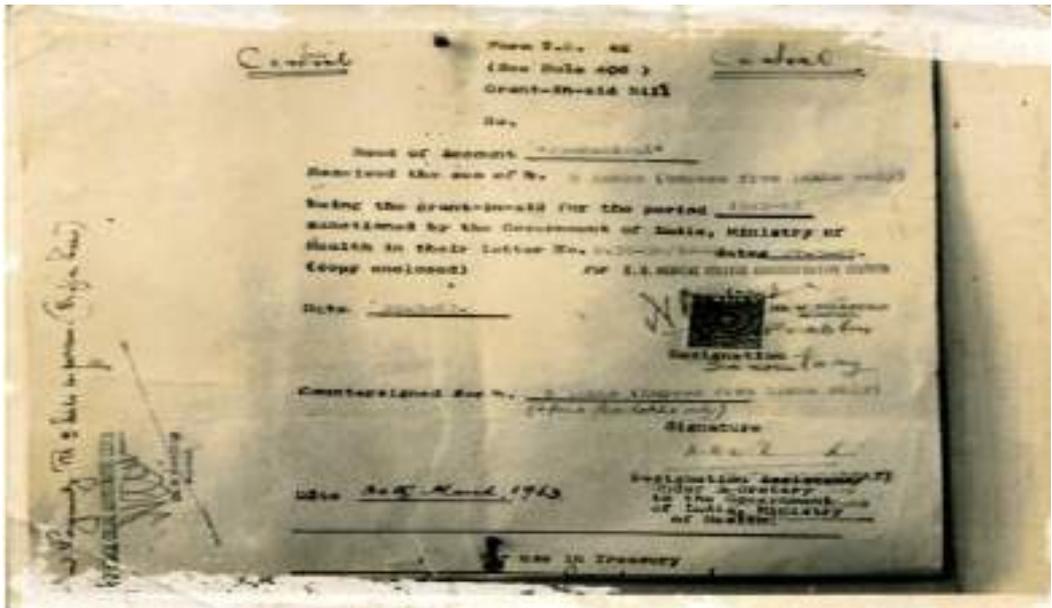


**Ministerial Inspection** – Hon’ble Ministers reviewing the progress of the college building during its formative years



The Chief and Health Ministers inspecting the construction work of the college building in progress.

**A Historic Grant-in-Aid Document (1962-63) – The original sanction letter from the Government of India, marking the financial foundation of T.D. Medical College.**



## Concluding Note

### *“A legacy of service, a future of transformation”*

**Government T.D. Medical College & Hospital, Alappuzha**, stands as a living testament to Kerala’s unwavering commitment to equitable healthcare and transformative medical education. From its modest beginnings under the Thirumala Devaswom Trust to its present stature as a super-specialty teaching hospital, **TDMCA has evolved through the strategic support of the Government of Kerala**, responding to the changing needs of society, technology, and governance.

This Health Document captures the institution’s multifaceted strengths—academic excellence, clinical leadership, infrastructure modernization, research culture, and social impact. It also outlines the strategic roadmap that guides TDMCA’s future: expanding capacity, embracing digital transformation, deepening community engagement, and aligning with national and global benchmarks.

The **State Government of Kerala**, through its Health & Family Welfare Department and the Directorate of Medical Education, has played a pivotal role in this transformation. From budgetary allocations and policy guidance to infrastructure funding and human resource development, the government’s proactive interventions have empowered TDMCA to scale new heights in public service and institutional excellence.

What sets TDMCA apart is not just its scale or legacy, but its culture of accountability, innovation, and compassion. The institution is powered by dedicated faculty, visionary administrators, and a resilient support system that ensures every patient is treated with dignity and every student is nurtured into a responsible medical professional.

As we look ahead, TDMCA is poised to:

- **Expand academic programmes** to meet the growing demand for skilled healthcare professionals
- **Strengthen infrastructure** to support advanced clinical services and research
- **Foster partnerships** with CSR donors, government agencies, and global institutions
- **Achieve NABH accreditation** and other quality certifications
- **Lead Kerala’s public health mission** through inclusive, sustainable, and tech-

enabled care

This Health Document is not just a record—it is an invitation. An invitation to collaborate, invest, and believe in the transformative power of public institutions. Whether you are a policymaker, donor, researcher, or citizen, **TDMCA—guided by the vision of the State Government—welcomes to be part of its journey toward excellence.**

**Institutional Contact Details**

**Government T.D. Medical College & Hospital,**

**Alappuzha - 688005, Kerala, India**

**24-hour Control room: 0477 - 2281000**

**Phone: +91-477-2282015**

**Fax: +91-477-2242501**

**Email: [tdmedcollegealpy@gmail.com](mailto:tdmedcollegealpy@gmail.com)**

**Website: [www.tdmcalappuzha.ac.in](http://www.tdmcalappuzha.ac.in)**

### *Heartfelt Gratitude*

We extend our heartfelt gratitude to all those whose unwavering support and contributions have shaped this Health Document and strengthened our institutional journey:

- **Government of India** – For central assistance through Centrally Sponsored Schemes (CSS) and other national initiatives that empower public healthcare and education.
- **Government of Kerala** – For sustained budgetary allocation, policy support, and institutional encouragement.
- **Hon’ble Minister for Health and Woman & Child Development, Kerala** – For inspiring leadership and steadfast commitment to advancing medical education and public health.
- **Hon’ble Principal Secretary, Health & Family Welfare Department, Kerala** – For strategic vision and administrative stewardship.
- **Hon’ble District Collector, Alappuzha** – For facilitating CSR partnerships and mobilizing community engagement.
- **Hon’ble Director of Medical Education, Kerala** – For academic oversight and policy guidance that uphold excellence in medical training.
- **Principal & Vice Principal, T.D. Medical College, Alappuzha** – For their visionary leadership and unwavering dedication to institutional progress.
- **Superintendent, Resident Medical Officer & Deputy Superintendents, TDMCH, Alappuzha** – For operational leadership and commitment to clinical and administrative excellence.
- **Senior Administrative Officer, T.D. Medical College, Alappuzha:** For constant support and guidance
- **Faculty, Staff & Students** – For their resilience, dedication, and pursuit of academic and professional distinction.

This Health Document is a testament to our shared values of transparency, progress, and public service.

The team behind this Health Document:

Dr. Carol Pinheiro, Asso. Prof, Community Medicine, Smt. Nayana Susan, Asst. Prof. Statistics, Dr. Dharani Sree T, SR, Community Medicine, Dr. Hareesh S, Asst. Prof. Forensic Medicine, Mr. Muhammed Asif, DEO, RPEID Cell.

***Together, let us build a healthier, smarter, and more compassionate health institution.***

## **Annexures**



## Annexure

## Faculty Distribution in TDMCA as on Sept 2025

## Non-Clinical Departments

Department	Name	Designation
Anatomy	Dr. Manju S	Professor
	Dr. Rani Raphael	Associate Professor
	Dr. Shihash P.M	Associate Professor
	Dr. Sajey P.S	Associate Professor
	Dr. Reshmi R	Assistant Professor
	Dr. Margrat William	Assistant Professor
	Smt. Smitha G. Raj	Assistant Professor
	Smt. Sindhu K.R	Assistant Professor
	Smt. Preetha R	Assistant Professor
	Dr. Ameena A	Assistant Professor
	Dr. Anagha V S	Assistant Professor
	Dr. Deepa Chandran A	Assistant Professor
	Dr. Goldy Sara Sabu	Assistant Professor
	Dr. Molly A J	Assistant Professor
	Dr. Saleena N Ali	Assistant Professor
	Dr. Sreekala U S	Assistant Professor
Dr. Anjali K Mathew	Assistant Professor	

<b>Physiology</b>	Dr. Usha T	Professor
	Dr. Jacob Varghese	Associate Professor
	Dr. Deepa Rajendran	Associate Professor
	Dr. Mohan Paul	Associate Professor
	Dr. Sneha S Nair	Assistant Professor
	Dr. Kavitha C P	Assistant Professor
	Dr. Aswini G Raj	Assistant Professor
	Dr. Bhagya V S	Assistant Professor
	Dr. Shilpa Sasi	Assistant Professor
	Dr. Surya Rani A B	Assistant Professor
	Dr. Bilix Vinayak	Assistant Professor
	Dr. Syam Mohan	Assistant Professor
	Dr. Arsha S Dev	Assistant Professor
<b>Biochemistry</b>	Dr. Jessy S J	Professor
	Dr. Jim Joe	Associate Professor
	Dr. Feba S Raj	Assistant Professor
	Dr. Rosmi Johnachan	Assistant Professor
	Dr. Alan Jude Thambi	Assistant Professor
	Dr. Revathy S	Assistant Professor
	Dr. Megha Ju Nath	Assistant Professor

<b>Pharmacology</b>	Dr. Annapurna Y	Professor
	Dr. Ajith Thomas	Associate Professor
	Dr. Moncy Michael	Assistant Professor
	Dr. Neenu C S	Assistant Professor
	Dr. Nithya Uthaman	Assistant Professor
	Dr. Liya Roslin Joseph	Assistant Professor
	Dr. Shamna Kasim	Assistant Professor
	Dr. Anand R G	Assistant Professor
	Dr. Amina Basheer	Assistant Professor
<b>Forensic Medicine</b>	Dr. Krishnan B	Professor
	Dr. Rakhin K B	Associate Professor
	Dr. Hareesh S	Assistant Professor
	Dr. Nithi Mathew Sam	Assistant Professor
	Dr. Jamshid P	Assistant Professor
	Dr. Megha S Nath	Assistant Professor
<b>Pathology</b>	Dr. Sreedevi A R	Professor
	Dr. Ariya Jyothi	Associate Professor
	Dr. Lekshmi Devi P	Associate Professor
	Dr. Saji Mary Varghese	Associate Professor
	Dr. Keerthi Nath K V	Assistant Professor

	Dr. Asha Kumari T	Assistant Professor
	Dr. Adhisha S	Assistant Professor
	Dr. Anu P Babu	Assistant Professor
	Dr. Anta Tresly	Assistant Professor
	Dr. Soumya Satheesh	Assistant Professor
	Dr. Sreeja J	Assistant Professor
	Dr. Prajitha P	Assistant Professor
	Dr. Reshmi R	Assistant Professor
	Dr. Reimol Jose	Assistant Professor
	Dr. Divya S Deth	Assistant Professor
<b>Microbiology</b>	Dr. Shanimole P E	Professor
	Dr. Kavitha Paul Konikkara	Associate Professor
	Dr. Anitha Madhavan	Associate Professor
	Dr. Chinnu Sajeev	Assistant Professor
	Dr. Arun Sachu N N	Assistant Professor
	Dr. Kiran T Jose	Assistant Professor
	Dr. Maya S	Assistant Professor
	Dr. Anjana Asokan	Assistant Professor
	Dr. Deepa M S	Assistant Professor
	Dr. Roshni V S	Assistant Professor

	Smt. Archana S	Assistant Professor
<b>Community Medicine</b>	Dr. Bindhu Vasudevan	Professor
	Dr. Carol Pinheiro	Associate Professor
	Dr. Viswakala V S	Assistant Professor
	Dr. Remya G	Assistant Professor
	Dr. Bilal	Assistant Professor
	Dr. Arun N Batt	Assistant Professor
	Dr. Praveen G S	Assistant Professor
	Dr. Anaswara Karthika P	Assistant Professor
	Dr. Mariyam Rajee Alex	Assistant Professor
	Dr. Sreelekshmi G R	Assistant Professor
	Dr. Vannya M S	Assistant Professor
<b>Pharmacy</b>	Dr. Rajasree S	Professor
	Dr. Reni P Paul	Professor
	Dr. Rajmohan T P	Professor
	Dr. Manju P T	Associate Professor
	Mr. Suku J	Associate Professor
	Dr. Muhammed Habeebulla	Associate Professor
	Savitha K V	Assistant Professor
	Dr. Rajitha Panonnammel	Assistant Professor

	Dr. Bheesha S Kamal	Assistant Professor
	Sri. Praveen V G	Assistant Professor
	Smt. Shadiya C K	Assistant Professor
	Smt. Jaismy Joseph P	Assistant Professor
	Sri. Habeeb Panikkarakayil	Assistant Professor
	Smt. Nimmi K Thampi	Assistant Professor
	Ashly James	Assistant Professor
	Nittu M Daniel	Assistant Professor
	Dr. Pramod P S	Assistant Professor
	Mr. Muhammed Shahid K V P	Assistant Professor
	Dr. Pramod K	Assistant Professor
	Dr. Anju P	Assistant Professor

### Clinical Departments

Department	Name	Designation
<b>General Medicine</b>	Dr. Suresh Raghavan	Professor
	Dr. H. Poornima	Professor
	Dr. Udayamma K P	Professor
	Dr. Ambily N R	Associate Professor
	Dr. R.N.K. Sankar	Associate Professor
	Dr. Lijo K Mathew	Associate Professor

	Dr. Omana Menon	Associate Professor
	Dr. Arathi Achuthan	Assistant Professor
	Dr. Jayalekshmi Jayaprakash	Assistant Professor
	Dr. Meera R	Assistant Professor
	Dr. Anuthara Jose	Assistant Professor
	Dr. Beenumol B	Assistant Professor
	Dr. Sajad K	Assistant Professor
	Dr. Ashok Kumar B (Lecturer)	Assistant Professor
	Dr. Anandha Vishnu S	Assistant Professor
<b>Emergency Medicine</b>	Dr. Nidhi K Mohan	Assistant Professor
<b>Paediatrics</b>	Dr. Sreelatha P R	Professor
	Dr. Jayaram Sankar	Associate Professor
	Dr. Jose O	Associate Professor
	Dr. Lathika Nayar	Associate Professor
	Dr. Anu Marie Peter	Assistant Professor
	Dr. Akhil R S	Assistant Professor
	Dr. Poornima K N	Assistant Professor
	Dr. Preethi S Pillai	Assistant Professor
	Dr. Neelima Narayanan	Assistant Professor
	Dr. Ansha A S	Assistant Professor

	Dr. Susy Joseph	Assistant Professor
	Dr. Rajeev S V	Assistant Professor
	Dr. Ranilekshmi U J	Assistant Professor
	Dr. Resmi G	Assistant Professor
	Dr. Gibi Xavier	Assistant Professor
	Dr. Riaz I	Assistant Professor
<b>Pulmonary Medicine</b>	Dr. P Venugopal	Professor
	Dr. Shajahan P S	Associate Professor
	Dr. Manaf M A	Assistant Professor
	Dr. Praveen G S	Assistant Professor
<b>Dermatology &amp; Venerology</b>	Dr. Pradeep Nair S	Professor
	Dr. Lila Kumari S	Professor
	Dr. Sreekanth S	Associate Professor
<b>Psychiatry</b>	Dr. Vidhukumar K	Professor
	Dr. Sumesh T P	Assistant Professor
	Dr. Ganga G Kaimal	Assistant Professor
	Dr. Diya P Albert	Assistant Professor
	Dr. Shalima S	Assistant Professor
<b>Physical Medicine &amp;</b>	Dr. Sivaram A	Assistant Professor
	Dr. Sreejith V P	Assistant Professor

<b>Rehabilitation</b>	Dr. Bisha Babu	Assistant Professor
<b>Paediatric Surgery</b>	Dr. Athiya Praveen	Associate Professor
	Dr. Lydia Mary	Assistant Professor
	Dr. Vishnuraj T T	Assistant Professor
	Dr. Sherbin Sha	Assistant Professor
<b>Neurosurgery</b>	Dr. Girish K M	Professor
	Dr. Nikhil Pradeep M	Assistant Professor
	Dr. Rajasekhar N	Assistant Professor
<b>Genito Urinary Surgery</b>	Dr. Madhavan N	Professor
	Dr. Manu M K	Associate Professor
	Dr. Darsan S	Assistant Professor
<b>General Surgery</b>	Dr. N R Sajikumar	Professor
	Dr. Ramlal R V	Associate Professor
	Dr. Jayan C	Associate Professor
	Dr. Preetha S	Associate Professor
	Dr. Rajmohan J L	Associate Professor
	Dr. Anilkumar K	Assistant Professor
	Dr. Biju Stephan	Assistant Professor
	Dr. Sreekanth S	Assistant Professor
	Dr. Lakshmi P L	Assistant Professor

	Dr. Afsal Muhammed	Assistant Professor
	Dr. Basil Babu	Assistant Professor
	Dr. Susan Rajan	Assistant Professor
	Dr. Biju KT	Assistant Professor
	Dr. Geena George	Assistant Professor
	Dr. Sayed Mohammed Afsal	Assistant Professor
	Dr. Anupama Y.G	Assistant Professor
	Dr. Sugeeth E	Assistant Professor
	Dr. Harsha P.S	Assistant Professor
	Dr. Soumya Soman M. K	Assistant Professor
	Dr. Hareesh P B	Assistant Professor
	Dr. Akhila Lakshmi R.S	Assistant Professor
	Dr. Ansar P	Assistant Professor
<b>Plastic Surgery</b>	Dr. Lakshmi S Bhooshan	Associate Professor
	Dr. Jinchu Sundar S.S	Assistant Professor
<b>Orthopaedics</b>	Dr. Vinod Kumar B P	Professor
	Dr. M P Salim	Associate Professor
	Dr. Bindulal V A	Associate Professor
	Dr. Thomas Koshy	Assistant Professor
	Dr. Anas	Assistant Professor

	Dr. Sethu S	Assistant Professor
	Dr. Alen Sigamani	Assistant Professor
	Dr. Unnikrishnan J	Assistant Professor
	Dr. Joseph Dixon Olivero	Assistant Professor
	Dr. Pradeep R	Assistant Professor
	Dr. Jyothis George	Assistant Professor
	Dr. Harikrishnan B	Assistant Professor
<b>ENT</b>	Dr. Santhi T	Professor
	Dr. Beena Oommen	Associate Professor
	Dr. Shaira K.P	Assistant Professor
	Dr. Lakshmi Vijayakumar	Assistant Professor
	Dr. Darshana Raveendran	Assistant Professor
	Dr. Sambhudev S	Assistant Professor
	Dr. Sherin Sha	Assistant Professor
	Dr. Yamina R	Assistant Professor
<b>Ophthalmology</b>	Dr. Mallika O U	Professor
	Dr. Manoj Venugopal	Associate Professor
	Dr. Dalia S	Assistant Professor
	Dr. Dhanya R S	Assistant Professor
	Dr. Sija S	Assistant Professor

	Dr. Neethu Ben	Assistant Professor
	Dr. Shalet Paul	Assistant Professor
	Dr. Anjali A	Assistant Professor
	Dr. Anuja Sathar	Assistant Professor
<b>Obstetrics &amp; Gynaecology</b>	Dr. Sangeetha Menon	Professor
	Dr. Anasooya P S	Professor
	Dr. Bindu K.M	Associate Professor
	Dr. Gigi A	Associate Professor
	Dr. Thanku Thomas Koshy	Associate Professor
	Dr. Deepthi P S	Assistant Professor
	Dr. Jaimie T Jacob	Assistant Professor
	Dr. Lakshmi Vinodh S	Assistant Professor
	Dr. Sapana S	Assistant Professor
	Dr. Amina S Kabeer	Assistant Professor
Dr. Meera Lakshmi Nair	Assistant Professor	
<b>Anaesthesiology</b>	Dr. Veena N	Professor
	Dr. Harikumar A	Associate Professor
	Dr. Antony K A	Assistant Professor
	Dr. Deepa George	Assistant Professor
	Dr. Biby Mary Kuriakose	Assistant Professor

	Dr. Neena Thomas	Assistant Professor
	Dr. Vimal Pradeep	Assistant Professor
	Dr. Jijo Jose	Assistant Professor
	Dr. Jobi Sugathan	Assistant Professor
	Dr. Aswathy L R	Assistant Professor
	Dr. Lakshmi R	Assistant Professor
	Dr. Adlene Rodrigues	Assistant Professor
	Dr. Anjana R	Assistant Professor
	Dr. Bittu Susan Varghese	Assistant Professor
	Dr. Anu Antony	Assistant Professor
	Dr. Anitha Paul Mambili	Assistant Professor
	Dr. Varun S	Assistant Professor
<b>Radio diagnosis</b>	Dr. Manoj T	Professor
	Dr. Reji Rajan Varghese	Assistant Professor
	Dr. Usha Kumari P R	Assistant Professor
	Dr. Safi Salim	Assistant Professor
	Dr. Renjini S	Assistant Professor
<b>Transfusion Medicine &amp; Immuno Haematology</b>	Dr. Lakshmi L Rajan	Professor
	Dr. Sushama D	Associate Professor
	Dr. Jess Elizabeth Rasalam	Assistant Professor

	Dr. ruby Mary Pious	Assistant Professor
<b>Cardiology</b>	Dr. Vinayakumar	Professor
	Dr. Veena Felix	Associate Professor
	Dr. Abdul Salam A	Assistant Professor
	Dr. Prasanth M Mathew	Assistant Professor
<b>Cardio Vascular Thoracic Surgery</b>	Dr. Shaffeek	Professor
	Dr. Ashraf Usman	Assistant Professor
<b>Radiotherapy</b>	Dr. Sajeev George Pulickal	Professor
	Dr. Ajith Kumar V.R	Associate Professor
	Dr. Praveen Jacob Ninan	Assistant Professor
	Dr. Rose Maria John	Assistant Professor
	Dr. Harikrishnan R	Assistant Professor
	Dr. Blossom Chacko	Assistant Professor
<b>Radiation Physics</b>	Dr. Santhosh V.S	Assistant Professor
<b>Medical Oncology</b>	Dr. Manoj S	Assistant Professor
<b>Surgical Oncology</b>	Dr. Athul K Vasuden	Assistant Professor
<b>Neurology</b>	Dr. Shaji C.V	Professor

	Dr. Haris A.A	Professor
	Dr. Prasanth S.R	Assistant Professor
	Dr. Rakesh R	Assistant Professor
<b>Nephrology</b>	Dr. Gomathy S	Professor
	Dr. Noble Gracious	Associate Professor
	Dr. Devi S Sruthy	Assistant Professor
	Dr. Sona S	Assistant Professor

### List of Contributors

Sl. No	Name	Designation	Contact No	Email Id
1	Dr. B Padmakumar	Principal	9447062728	padmakumarayyappa@gmail.com
2	Dr. Harikumar. A	Superintendent, MCH	9447249555	drharisinu@gmail.com
3	Sri. Ajayakumar. K	Senior Administrative Officer	9387908690	ajayannamboothiri38@gmail.com
4	Sri. Sreeraj R P	Accounts Officer	7907258399	sreeraajatl@gmail.com
5	Dr. Carol Pinheiro	Associate Professor	9446581148	carolcardoz@gmail.com
6	Mrs. Nayana Susan	Assistant Professor in Statistics & Demography	9446717216	nayanasusan23@gmail.com
7	Dr. Dharani Sree T	Senior Resident, Dept. of Community Medicine	8838086066	dharani.tamil03@gmail.com
8	Dr. Hareesh S	Assistant Professor, Dept. of Forensic Medicine	9846185454	harishsdr@gmail.com
9	Mr. Muhammed Asif	Data Entry Operator, RPEID CELL	8137823864	muhammedasif09876@gmail.com

