

125 Years of Academic Excellence

PROSPECTUS 2025-26





Message from Chairman	2
Welcome from Chief Executive Secretary	3
Message from Principal	4
CTTC History	5
Former Principals	8
Clean & Green Campus	10
Vision, Mission & Core Values	11
Organizational Setup	12
CTTC Staff Group Photo	13
Programs Offered	14
Architecture Department	15
Civil Department	17
Computer Information Technology Department	19
Electrical Department	21
Electronics Department	24
Mechanical Department	26
Drafting Civil Department	29
Auto, Diesel & Mechanic Department	31
F.Sc. Radiography & Imaging Technology	34
F.Sc. Operation Theater Technology	35
F.Sc. Medical Laboratory Technology	36
F.Sc. Dispensing Technology	37
Anesthesia Technician	38
Public Health Technology	39

Facilities at CTTC	40
Learning & Development Services	41
Scholarships	42
Co-Curricular Activities	43
Project Exhibition & Industrial EXPO	44
Industrial Tours	46
Students Training Workshops	47
Staff Trainings	48
Official Visits	49
Internships & Job Placements	50
Sports Gala (Annual)	51
Cleanliness Walk & Tree Plantation	52
Recreational Trips	53
Students Achievements	54
Academic Calendar 2025-26	55
Admission Procedure	56
Rules & Regulations	58
Discipline Policy	59
Examination	60
Undertaking Fee Schedule (Simple)	61
Undertaking (Simple)	62





Message from Chief Executive Secretary-SCD

On behalf of the Society for Community Development (SCD), I am honored to WELCOME YOU TO THIS PRESTIGIOUS INSTITUTE.

For over 125 years, the Christian Technical Training Centre has been a proud pillar of our community, offering technical education. The world today is driven by innovation and technology, and a strong technical education is more important than ever.

CTTC provides instruction in cutting-edge fields that are in high demand, preparing students for successful careers. Our mission is to equip students with the skills and knowledge they need to succeed in their chosen fields, while also fostering a strong foundation in Christian values. Since the date of establishment, the Centre has proved to be a concrete bridge between under privileged rural people and elite urban dwellers.

With so many institutions offering technical programs, selecting the right one can be daunting. But when we consider the reputation and standing, conducive learning environment, moral and ethical learning, experienced faculty; none compares to CTTC.

I congratulate you for choosing Christian Technical Training Centre, the best institute, for making your professional career. CTTC is dedicated to providing a holistic education that equips you not only with technical skills but also with strong moral character.

Our commitment to excellence ensures you receive a well-rounded education that prepares you for a successful and fulfilling career.

Mr. Imran Azhar
Chief Executive Secretary-SCD

Message from Principal

In line with standards of Punjab board of Technical Education and Regulatory bodies, CTTC employs stary-of-the-art labs facilities, infra structural developments, conduct regular seminars and workshops, establishes and maintains academia-industry linkages. A combination of quality education and modern lab facilities along with teaching excellence makes this institute a preferred destination for students. CTTC provides quality technical education and vision equip students with the core moral values to make them productive part of the society. CTTC offers diverse technology programs to cater for the needs of today's rapidly changing environment.

Our aim is to groom young fertile brains through experiential learning and make them competent worker, law abiding citizen and spiritually enlightened individuals.

I would whole-heartedly welcome you all to be a part of CTTC family

Engr. Dr. Roman Kalvin

PhD Energy Technology, Mechanical Engineering (Prince of Songkla University, Thailand) MS Mechanical Engineering (University of Wah, Wah Cantt) B.Sc Mechanical Engineering (University of Wah, Wah Cantt)





Established in 1900

CTTC History

The 1st decade saw famine in Rajasthan that orphaned many children their cries were heard by Miss Emma, an American Presbyterian Missionary. She was soon joined by Rev. Osborn Crowe. They together laid foundation of "Boys Industrial Home" at Gujranwala with 50 children. The Centre initially gave training of "weaving on manually operated machines."

The 2nd decade saw introduction of skills of tailoring and shoemaking with children strength increasing to 150. Master Sant Masih was the first teacher in the shoemaking trade. He was also honored of being the first boarding master.

The 3rd and 4th decade saw introduction of carpentry skill. Master Karam Ilahi, Chario and his, brother Hamthio (MOGA Trained), Mr. Nathu Lall and Mr. Diwan Chand joined as teachers. In 1920 Maj. Frank Arthur Whitfield a Mechanical Engineer and his American wife joined and started teaching skills of Auto Mechanic. He trained Mr. William and made him the first instructor of the course while Sayyed Abbas Ali Shah and Mr. Inayat Kaesar chand the later heads of the shop. Mr. John Mangee was another teacher in this department specializing in charging and repairing of Electric Storage battery. Soon afterward Mr. Charles C. Milson joined the team who also helped in additional building facilities at the Centre and at Christian Hospital Taxila and Rang Mahal High School at Lahore. In 1938, the 1st powered Lathe Machine was installed. It was a source of big attraction for the local community and achievement in the history of the Home. Master James Rehmat Masih and Master Inayat Masih Bhatti also joined the department (In 1972, Mr. James Rehmat Masih was martyred by police firing during anti nationalization demonstration at Rawalpindi).

Blacksmith machine shops were also introduced that made an enormous impact in manufacturing capabilities of the Centre of Truss, roofs, locks, Riffle racks. Master Mohan Lall,

was the first instructor in manufacturing section who later joined by Master Maula Buxsh. Printing of letter pads for the Centre was also started in 1939 with Master Patruss as its first teacher. Trades of spray painting and Welding departments were introduced in 1940-41 with Master Khan Masih as its first teacher. Teacher S.R Philip joined the Centre after receiving training at Saharn Pur. Mist, Rehmat and Mr. Ibrahim Massey also worked in the blacksmith shop in late 50's. Master Nathu Ram taught General Drawing to all departments and was assisted by Master Sardar Masih resident of Basti Dogran Gujranwala.

Electrical shop was initiated with Mr. Guru Bant Singh as its first teacher. Radio Television and Electrical appliances repair courses were introduced by Mr. Herold, Mr. Niamat and Mr. Sarfraz Lloyd. In 1942, Mr. Whitfield made an experimental boat at the request of the Commissioner. The prototype underwent water worthiness trial in local pond at Khokharkee named "Hadan Wala Chapper" across the Adult Basic Education Society building that was used by Hindus for floating ashes of their cremated dead. The final water worthiness for the boat was made in close by canal where the boat capsized with the Captain Major Whitfield. The Government officials also sought technical advice from Mr. Whitfield to set up a Government vocational institution at Gujranwala. In 1948 to American Engineers, Mr. Irvin George Lotze and Rev. C.E. McBaine Audio/Video Engineer arrived.Rev. McBaine started Boys Industrial Home Gospel Team. The Hostel Chapel was constructed under supervision of Mr. Mitchell, Mr. Ilum Din and Mr. Shafi were the head masons.

The 5th decade saw the worldwide changes brought about by the two World Wars and division of subcontinent with violent birth of Pakistan saw deterioration in global economy that affected the financing of the Home. Due to which Machine shop, Tailoring shop and the Shoemaking shop were closed.

In the 6th decade the situation however got revived in 1957-58 for the Machine shop when Mr. Emmanuel N. Mall (A Home Trainee) was recalled to supervise the shop. Meanwhile, Mr. Lotze procured 38 machines from America for the Carpenter and the Machine shops. The Machine shop flourished during the leadership of Mr. I.G Lotze. Mr. McBaine, the Audio/Video Engineer, introduced photography department that became very popular. Mr. Wajeef Dar, a Parsee, Mr. Mohammed Latif and Mr. Christopher Charles were the other teachers. Mr. Christopher Charles later joined Pakistan Air force as photographers. Mr. Samuel Barket Masih after being trained was made in charge of this department along with teacher Mr. Vincent A. David and Mr. Emmanuel Essa Das.

In the 7th decade Mr. Nazir Mathias was appointed as Office Secretary. The name of the Home was changed to "Christian Technical School" in 1961. Mr. H.B. Bagwell, a B. Sc. Mechanical Engineer arrived from USA school and set up the Drafting Shop with Mr. Wilson as its first student. Mr. Justin Joel and Mr. Abdul Rehman completed their training in 1968. The Electrical department that had been closed in 5th decade got revived with arrival of Mr. Brend Kuyvenhoven, and Mr. Noback. Mr. Anwer Saddique Paul, Msc. Electrical The Engineer Served in this department. Mr. Sadiq a B.Sc Civil Engineer Served in drafting Shop. Machine shop got further developed by Mr. Wilhum Wedmann, a German Bsc. Mechanical Engineer and Produced agriculture equipment with Mr. Emmanuel N. Mall and Mr. Ibrahim Massey.

The 8th decade saw the name of the school once again changed and "Christian Technical Training Centre (CTTC)" upon arrival of Mr. Kenneth George Old, a Civil/Mechanical Engineer with his American wife, Marie Old and reorganized the Center soon after course in Civil Draftsman with 4 students was started. Mr. Old was declared as Principal of the institution in 1970 and his wife worked as nurse and assisted him in office work. Mr. Riaz Masih, Bsc. Civil Engineer also assisted him in developing the shop. Mr. Justin Joel was made head of this department in 1974. Mr. Sigmar Kern, a German Bsc. Engineer, came to CTTC in 1972 as teacher in the Machine shop. Mr. Ronald Umar Khatab, Bsc. Mechanical Engineer was the other teacher in the same shop. Mr. Anaq Azhar Sandhu who came as a teacher in 1969 was made head of the department in 1975. In 1973, Mr. Nathaniel Nawab, a Diploma Associate Engr. was appointed in Electrical shop and later made Chief Instructor. In middle 70s Mr. Renni Gold, joined the Center and helped to improve the training wing of the Centre. He also assisted the administration and served the hostel as incharge. He served at Gujranwala for 5-6 years and then moved the Shalom Christian Centre Jehlum to undertake new assignment. In 1975 the Society for Community Development was formed to encompass CTTC and several other Christian development Programs, typing them together as an umbrella organization.

On 2nd November 1975, Brend Kuyvenhoven was martyred at his residence and a residential colony with 16 houses built by the SCD in 1984 was named after him in his memory. The Fitter General shop was started in 1977 by Mr. Martin Broach, a Mechanical Engineer. On his return after serving three years another Mechanical Engineer Mr. John Ferguson joined and was assisted by Mr. Javed Nathaniel, Mr. Charles Emmanuel and Mr. Barkat Surjan.

The 9th decade saw Mr. Nathaniel Nawab becoming Principal of the Centre in 1983. Mr. Barkat Surjan was made Head of the Fitter shop in 1984. A Dutch volunteer, Mr. Jan Van Overbeeke an Electronics Engineer joined the Center in April 1986 and introduced Radio/Television shop followed later by Medical Equipment Mechanics in 1989. They also prepared syllabus for this course at the request of the Government that got approved by Trade testing Board Development Cell Government of Punjab and National Training Bureau Islamabad. Mr. Ayub Khushi an Electrical Shop teacher after receiving two-year training was seconded to this department as an instructor in 1986 and later made Head of this department in 1988. The student intake in this department rose very high that afternoon classes had to be started in 1986-1988. In 1986 Mr. Miceal Lacey joined the Centre and worked as Assistant Head of Department Fitter Shop and later help in day to day administration of the Centre. In 1985 the Carpenter Shop was separated upon formation of Building Trade Centre. In 1988 the CTTC was affiliated with Trade Testing Board, Directorate of Manpower & Training Government of Punjab-Pakistan.

A unique school, amalgamating academic and technical education, was set up in 1986 and was named as Christian Technical High School. The school provided academic education from class 6th to Secondary level and also basic technical skills to the students. The same school started functioning in 1987 as a Christian High School and provides education up to Higher Secondary level.

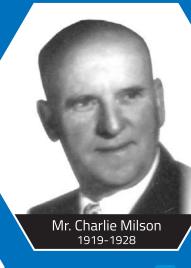
The 10th decade saw Overbeekes returned to their homeland in 1991. The "Bread for the World" donated 15 new machines for the General Metal shops in 1998. On 23rd May 1999 Mr. Nathaniel Nawab suffered heart attack and died. Wg.Cdr (Retd) Evert A. Lall, an Aeronautical Engineer was appointed as Principal. In May 2000, Engr. Aftab Asfandyar Bhatti, a B.Sc Civil Engineer, was appointed as an Assistant Principal of the Center and promoted as Principal on 1st June 2002.

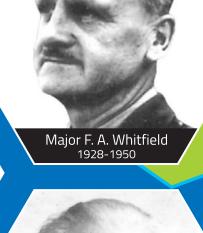
The 11th decade saw the revival of Auto Mechanic course in collaboration with Dawood YAMAHA Limited. The 10th decade is the decade of development and the new courses Fitter Millwright and Land & Quantity Surveyor were introduced in CTTC. Keeping the revolutionary development of Information Technology the two new courses of Diploma in Information Technology and Diploma in Computer Hardware were introduced in the Centre. The course curriculum of English was modified. The Centre started a 3 months Job oriented course of Professional Air Ticketing in Collaboration with Canadian based Software agency Galileo Pakistan. A CAD Course for all CTTC trainees was introduced using the new CAD curriculum with 15 Computers in CAD Lab. The biggest blessing of this decade is the introduction of higher level Diploma in Associate Engr (3 years) Course in Civil, Electrical, Mechanical and Electronics, Centre got registration with Technical Education and vocational Training Authority (TEVTA) and affiliation with Punjab Board of technical Education Lahore. The Centre in collaboration with Village Christian Primary School started Self Help Groups as 1st phase of Poverty Alleviation Program.

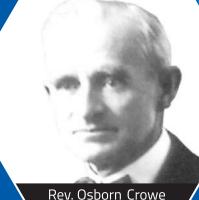
The ex-principal of CTTC Engr. Aftab Asfandyar Bhatti who made remarkable contribution to the development of CTTC. His admirable genius, untiring efforts and wonderful working potential made possible to take this institute to further higher place. From the latest technological point of view, labs of DAE were developed by the great sensibility of Engr. Aftab. He recommended the qualified engineers and capable teachers for the promotion of this well reputed institute. He left the institute in June 2011.

The pursuit for excellence continued under the leadership of ex-principal Engr. Ameet Gabrial, 2 new innovative courses DAE Computer Information technology and Auto Electrician (6 Months Course) were introduced in CTTC to cater the need of today's rapidly changing environment. In addition, he developed the computer labs of all departments, central library, new academic block and equipped Auto, Mechanical and Civil Department with latest EFI Test Bench Engine, CNC Milling Machine & Universal Testing Machine. He left the institute in December 2021.

Former Principals











Mr. Irvin George Lotze 1948-1970





Mr. Haywood Bagewell 1965-1967

Mr. Brend Kuyvenhoven 1967-1975



Mr. Kenneth G. Old 1975-1982





Mr. Nathaniel Nawab 1983-1999



WG CDR (R) Evert A Lall 1999-2002



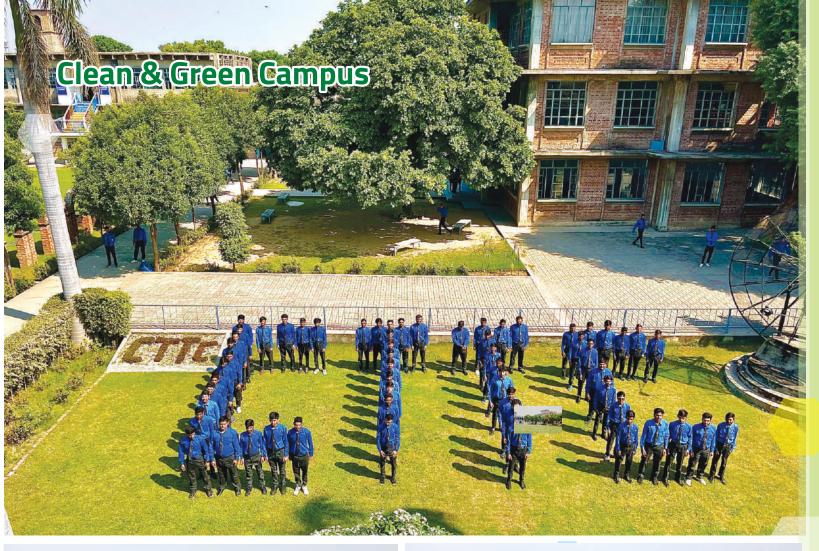
Engr. Aftab Asfandyar Bhatti 2002-2011



Engr. Joseph Robert 2011-2015



Engr. Ameet Gabrial 2015 - 2021







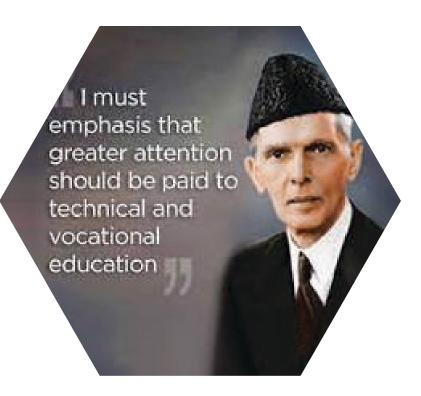
CTTC Campus 21 acre beautiful campus in the heart of Gujranwala.



Mission, Vision & Core Values

Mission Statement

"Whatever you do work heartily as for the lord not for the men" (Colossians 3:23)



Vision Statement

Personality development of students through quality education in general, technical, medical and computer sciences to ensure their success in the competitive world.

Core Values

- ÿ To produce job ready graduates.
- $\ddot{\gamma}$ To focus on hands-on training.
- $\ddot{\gamma}$ $\;\;$ To uplift students of our community especially from rural areas.
- γ Lifelong Learning



Organizational Setup

Chairman

Engr. Naveed John Malik

Chief Executive Secretary Mr. Imran Azhar

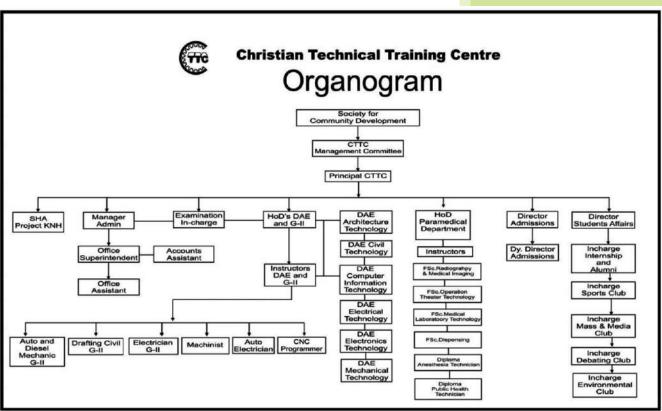
Principal Engr. Dr. Roman Kalvin

Deputy Director AdmissionMr. Sarfraz Nazeer

Manager Board Affairs
Mr. Pervaiz James

In-Charge Examination
Mr. Qamar Yaqub







Programs Offered

3 YEARS DIPLOMA OF ASSOCIATE ENGINEERING (D.A.E)

- 1. ARCHITECTURE TECHNOLOGY
- 2. CIVIL TECHNOLOGY
- 3. COMPUTER INFORMATION TECHNOLOGY
- 4. ELECTRICAL TECHNOLOGY
- 5. ELECTRONICS TECHNOLOGY
- 6. MECHANICAL TECHNOLOGY

2 YEARS CERTIFICATE COURSES

- 1. AUTO & DIESEL MECHANIC
- 2. DRAFTING CIVIL
- 3. ELECTRICIAN

6 MONTHS CERTIFICATE COURSES

- 1. CNC PROGRAMMER
- 2. AUTO ELECTRICIAN
- 3. MACHINIST



ELECTRICAL

ELECTRONICS

2 YEARS PARAMEDICAL COURSES

- 1. FSc. Radiography & Imaging Technology
- 2. FSc. Operation Theater Technology
- 3. FSc. Medical Laboratory Technology
- 4. FSc. Dispensing Technology
- 5. Dipl. Anesthesia Technician
- 6. Dipl. Public Health Technician



ARCHITECT















Architecture Department



Course Duration
3 Years

The Architecture Technology program at CTTC equips students with the knowledge and skills necessary to design, plan, and construct modern structures. The curriculum blends technical expertise with creative design, focusing on sustainable construction, architectural drafting, and building information modeling (BIM). Students gain hands-on experience through practical workshops, industry visits, and real-world projects.

Graduates of this program are prepared for careers in architectural firms, construction companies, and urban planning sectors, contributing to the development of innovative and sustainable infrastructure. Additionally, **on-campus recruitment opportunities** are available, connecting students with leading employers for internships and job placements, ensuring a smooth transition into the professional field.

Course Diploma Associate Engr. (Architecture)	Min. Education Req. Matriculation (Science)
Arch. Abeer Obaid B.Architecture	(Head of Department)
Mahpara Aftab B.Tech (Hons) Civil	(Instructor)
Zahid Younas DAE Civil	(Instructor)
Faizan Yaqoob DAE Architecture	(Instructor)
Ahmad Naeem DAE Architecture	(Instructor)
Muhammad Usama M.A English	(Instructor)



(Diploma of Associate Engineering Architecture)

1st Year

Subjects	Credit Hours
Building Material and Construction 1	3
Computer Aided Drafting & presentation 1	3
English	2
Islamiat & Pak Studies / Pak Studies & Ethics	1
Applied Mathematics 1	3
Applied Physics	2
Communication Skills	1
Introduction to Architecture	2
Architectural Graphic 1	3
Chemistry	2
Tarjuma-tul-Quran / Civics	1



Subjects	Credit Hours
Environmental Studies 1	2
Structural Mechanics RCC Design	3
Architectural Design & Drawing 1	3
Computer Aided Drafting & presentation II	2
Surveying & Leveling	4
Building Materials & Constructions II	3
History of Architecture	2
Islamiat & Pak Studies / Pak Studies & Ethics	1
Applied Mathematics	2
Tarjuma-tul-Quran / Civics	1





3rd Year

Subjects	Credit Hours
Environmental Studies II	2
Islamiat & Pak Studies / Pak Studies & Ethics	1
Model Making	2
Architectural Design and Drawing II	4
Computer Aided Drafting & Presentation II	2
Specification & Estimation	3
Building Materials & Constructions II	3
Construction Management & Safety Practices	2









The **Civil Technology** program at CTTC provides students with the essential skills and knowledge needed for the planning, design, and construction of infrastructure projects. The curriculum covers structural engineering, surveying, construction materials, and project management, with a strong emphasis on practical training and industry-relevant experience.

Graduates can pursue careers in construction companies, government departments, and consulting firms. Additionally, **on-campus recruitment opportunities** connect students with top employers, ensuring smooth transitions into professional roles through internships and job placements.

Course		Min. Education Req.	Course Duration	
Diploma Associate Engr. ((Civil)	Matriculation (Science) 3 Years		
Sohail Roy M. Tech (Civil) ,M. Arch MBA (Human Resource)			Khaild Riaz B.Tech (Hons) Civil	(Instructor)
Khuraam Shahzad DAE Civil	(Instructor)		Muhammad Nawaz (Instructor B.Sc Agriculture Engg ,DAE Civil	
Naveed Shahzad DAE Civil	(Instructo	or)	Zeeshan Munir DAE Civil	(Instructor)
Atiq Ur Rehman B.Tech (Hons) Civil	(Instructo	or)	Griffan Siraj M.Sc Mathematics	(Instructor)

(Diploma of Associate Engineering Civil)

1st Year

Code	Subjects	Т	Р	С
Gen 111	Islamiat and Pak Studies	1	0	1
Eng 112	English	2	0	2
Math 113	Applied Mathematics - I	3	0	3
Ch 112	Applied Chemistry	1	3	2
Phy 112	Applied Physics	1	3	2
Civil 124	Civil Engineering Surveying -	2	6	4
Civil 153	153 Civil Engineering Materials & Building Construction		3	3
Civil 103	Civil Engineering Drawing - I	1	6	3
Shop 131	Engineering Workshop Practice	0	3	1
Comp 121	Computer Applications	0	3	1
TTQ 111	Tarjuma-tul-Quran / Civics	1	0	1

2nd Year

Code	Subjects	Т	Р	С
Gen 201	Islamiat and Pak Studies	1	0	1
Math 212	Applied Mathematics - II	2	0	2
Gen 221	Communication Skills & Report Writing	1	0	1
Pht -203	Public Health Technology	2	3	3
Civil 204	Civil Engineering Surveying -	2	6	4
Civil 273	Construction Techniques	2	3	3
Civil 283	Quantity Surveying	2	3	2
Civil 292	Civil Engineering, Drawing -	0	6	2
EM 263	Engineering Mechanics	2	3	3
Civil 212	Health Safety & Environment	2	0	2
TTQ 211	Tarjuma-tul-Quran / Civics	1	0	1

3rd Year

Code	Subjects	Т	Р	С
Gen 301	Islamiat and Pak Studies	1	0	1
Civil 313	Advanced Quantity Surveying	1	6	3
Civil 304	Construction Project Planning & Mgmt	2	6	4
MGM 341	Entrepreneurship	1	0	1
Civil 324	Hydraulics & Irrigation Engineering	3	3	4
Civil 333	Transportation Engineering	2	3	3
Civil 374	Concrete Technology and RCC Design	3	3	4
Civil 393	Soil Mechanics & Foundation Engineering	2	3	3







Computer Information Technology Department



The Computer Information Technology (CIT) program at CTTC prepares students for one of the most demanding and rapidly growing fields in today's digital world. The curriculum covers software development, networking, cybersecurity, database management, digital marketing, and website & app development. With hands-on training, industry projects, and modern lab facilities, students gain practical skills essential for success in the IT industry.

Graduates have excellent job prospects in software firms, IT companies, and corporate sectors. Additionally, on-campus recruitment opportunities connect students with leading employers, providing internships and job placements to start their professional careers.

Course	Min. Education Req.	Course Duration
DAE Computer Information Technology	Matriculation (Science)	3 Years
Usman Shahid	(Head of Department)	Aqsa Yousaf
B.Com		M.Sc Chemistry
Mehroz Ghouri	(Instructor)	Nisha Pervaiz
BS IT		M.Sc Chemistry
Rana Muhammad Ahsan	(Instructor)	Wagar Suloman
BSCS	(Instructor)	Waqar Suleman M. Phil Physics
		7
Faryad Ahmad	(Instructor)	Khuram Hafeez
BSCS		B.Sc Mathematics
Danish Farooq	(Instructor)	Yasir Bashir
BSCS		DAE Electronics

(DAE Computer Information Technology)

1st Year

Code	Subjects	Т	Р	С
Gen 111	Islamiat and Pakistan Studies	1	0	1
Eng 112	English	2	0	2
Math 123	Applied Mathematics-I	3	0	3
Phy 132	Applied Physics	1	3	2
CH 132	Applied Chemistry	1	3	2
CIT 101	Occupational Health, Safety and Environment	1	0	1
CIT 103	Introduction to Computing & Application Software	1	6	3
CIT 114	Introduction to Computer Programming	2	6	4
CIT 141	Computer & Peripheral Maintenance	0	3	1
CIT 124	Basic Electronics	2	6	4
TTQ 111	Tarjuma-tul-Quran / Civics	1	0	1

2nd Year

Code	Subjects	Т	Р	С
Gen 201	Islamiat and Pakistan Studies	1	0	1
Math 233	Applied Mathematics II	3	0	3
Mgm 211	Business Communication	1	0	1
CIT 203	Data Communication & Computer Neworks	2	3	3
CIT 273	Digital Logic Design	2	3	3
CIT 222	Operating System	1	3	2
CIT 283	Database Management System	2	3	3
CIT 293	Computer Graphics Designing	1	6	3
CIT 204	Web Development	2	6	4
TTQ 211	Tarjuma-tul-Quran / Civics	1	0	1

3rd Year

Code	Subjects	Т	Р	С
Gen 301	Islamiat and Pakistan Studies	1	0	1
CIT 312	Internet of Things	1	3	2
CIT 313	Network and Server Administration	1	6	3
CIT 314	Mobile Applications Development	2	6	4
CIT 322	Entrepreneurship and Freelancing	1	3	2
CIT 343	Microprocessor Fundamentals	2	3	3
CIT 372	UI/UX Design	1	3	2
CIT 381	Software Quality Assurance	0	3	1
CIT 392	Project	0	6	2









Electrical Technology program at CTTC prepares students for one of the most demanding and rapidly growing fields in the engineering sector. The curriculum covers power systems, electrical machines, industrial automation, renewable energy, and circuit design, equipping students with both theoretical knowledge and practical skills through modern labs and hands-on training.

Graduates have excellent career opportunities in power generation, industrial automation, telecommunication, and construction industries. Additionally, on-campus recruitment opportunities connect students with top employers, ensuring internships and job placements for a successful professional career.

Courses	Min. Education Req.	Course Duration
Diploma Associate Engg. (Electrical)	Matriculation (Science)	3 Years
Electrician	Matriculation (Science / Arts)	2 Years



Numan Aslam BS (ET)	(Head of Department)	Engr. Muhammad Azam B.Sc Electrical Engg.	(Instructor)
Tanveer Ahmad BS (ET)	(Instructor)	Faraz Kaiser DAE ET	(Instructor)
Rehmat Masih DAE ET	(Instructor)	Mr. Abid Ali BS (ET)	(Instructor)
Afroon Iqbal B-Tech ET	(Instructor)	Amjad Masih DAE Electronics	(Instructor)

Diploma of Associate Engineering Electrical

1st Year

Subjects	Т	Р	С
Ethics / Islamiat & Pak Studies	1	0	1
English	2	0	2
Applied Mathematics	3	0	3
Applied Chemistry	1	3	2
Computer Application	1	3	2
Principles of Electrical Engg.	3	6	5
Basic Electrical Drawing	0	3	1
Workshop Practice - I	1	15	6
i) Wiring	1	6	3
ii) Metal Work	0	3	1
iii) Wood Work	0	3	1
iv) Welding	0	3	1
Tarjuma-tul-Quran / Civics	1	0	1

2nd Year

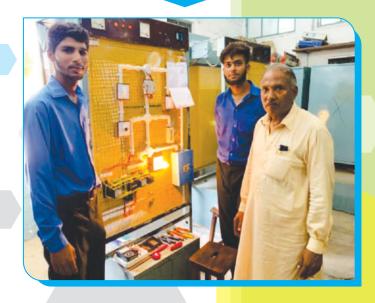
Subjects	Т	Р	С
Ethics / Islamiat & Pak Studies	1	0	1
Applied Mathematics	3	0	3
Applied Physics	1	3	2
Business Management & Industrial Economics	1	0	1
D.C. Machines & Batteries	2	3	3
Electrical Instruments and Measurement	2	3	3
Utilization of Electrical Energy	2	3	3
Installation, Planning and Estimating	1	3	2
Application of Computer in Electrical Tech	0	3	1
Basic Electronics	2	3	3
Workshop Practice - II (Basic Machine Shop)	0	3	1
Tarjuma-tul-Quran / Civics	1	0	1

3rd Year

Subjects	Т	Р	С
Ethics / Islamiat & Pak Studies	1	0	1
Business Communication	1	0	1
Industrial Management and Human Relations	1	0	1
A.C. Machines	4	6	6
Power Plant and Energy Conversation	2	0	2
Transmission, Distribution and Protection of EPS	4	3	5
Telecommunication	2	3	3
Repair and Maintenance of Electrical Equipment	1	6	3
Digital and Industrial Electronics	3	3	4

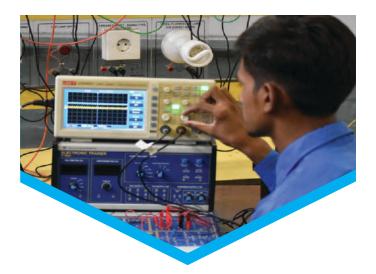












Electrician Course at CTTC prepares students for one of the most demanding and high-paying technical fields. The program covers three-phase motors, stators, industrial and domestic wiring, electrical circuits, and troubleshooting techniques. With hands-on training in modern labs and practical workshops, students gain the essential skills needed for the electrical industry. Graduates can pursue careers in construction, manufacturing, power plants, and industrial maintenance.

1st Semester

Subjects	Т	Р
Workshop Practice	40	180
Functional English - I	20	20
Technical Mathematics - I	40	-
Electrical Principals and their Applications - I	20	60
Technical Drawing - I	20	60
Handling of Wires and Cables	20	300
Work Ethics - I	_	20
Total	160	640

3rd Semester

Subjects	Т	Р
Functional English - III	20	20
Introduction to IC and its Applications	40	120
Troubles of Electrical Equipments	20	180
Electrical Principals and their Applications - II	40	90
Electrical Instruments and Measurements	20	90
Development of PCB	20	60
Earthing, Protective Devices and Faults		60
Work Ethics - II		20
Total	160	640

2nd Semester

Subjects	Т	Р
Functional English - II	20	20
Technical Mathematics - II	40	-
Technical Drawing - II	20	60
Basic Electronics	40	90
Electrical Circuits	20	90
Electrical Installation, Repair & Maintenance	_	360
Occupational Health & Safety Environment (OHSE)	20	20
Total	160	640

4th Semester

Subjects	T	Р
Functional English - IV	20	20
Final Projects	_	140
Digital Logics and Circuits	20	60
Distribution of Power Supply	20	60
Illumination	20	60
Industrial Electronics	40	120
Programmable Logic Control (PLC)	40	180
Total	160	640

Electronics

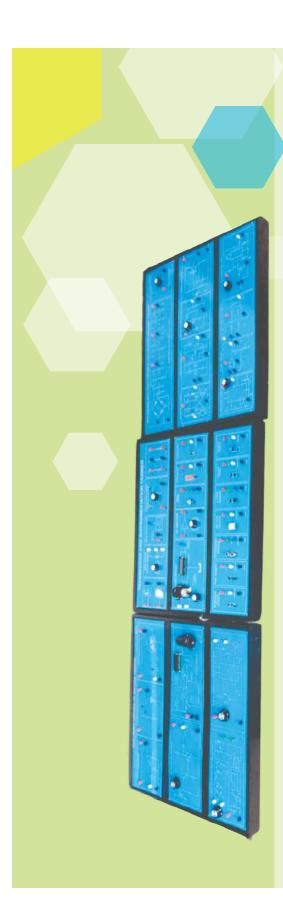
Department

The Electronics Technology program at CTTC equips students with the skills and knowledge required for one of the most demanding and rapidly evolving fields in modern industry. The curriculum covers circuit design, microcontrollers, industrial automation, communication systems, embedded systems, and PLC (Programmable Logic Controller) training, providing both theoretical understanding and hands-on experience through advanced labs and industry projects.

Graduates have excellent career opportunities in telecommunications, automation, consumer electronics, and industrial electronics sectors. Additionally, on-campus recruitment opportunities connect students with top employers, ensuring internships and job placements for a successful career

Course	Min. Education Req.	Course Duration
Diploma Associate Engr. (Electronics)	Matriculation (Science)	3 Years
Javaid Bhatti B.Tech Electronics , M.A (PU)	(Head of Departme	ent)
Alian Nadeem B.Sc Mechatronics Engg.	(Instructor)	LTY
Robert Masih B.A,G-II (Radio/TV Mechanic)	(Instructor)	D D
Yousaf John DAE Electronics , BLIS	(Instructor)	FA
Muhammad Ishaque DAE Electronics	(Instructor)	OUR
Saleem Ahmad B.Tech Electronics	(Instructor)	J





(Diploma of Associate Engineering Electronics)

1st Year

Subjects	Т	Р	С
Ethics / Islamiat & Pak Studies	1	0	1
English	2	0	2
Applied Mathematics - I	3	0	3
Applied Physics	1	3	2
Applied Chemistry	1	3	2
Computer Fundamentals	1	3	2
Electrical Circuits	3	3	8
Electronic Devices	2	9	3
Engineering Drawing & Computer Aided Design	0	6	0
Electrical Wiring	0	3	1
Tarjuma-tul-Quran / Civics	1	0	1

2nd Year

Subjects	Т	Р	С
Islamiat & Pak Studies	1	0	1
Applied Mathematics - II	3	0	3
Communication Skills	1	0	1
Propagation of Electromagnetic Waves	2	0	2
Analogue Electronics	3	6	5
Electrical Instruments & Measurements	2	3	3
Electrical Machines	2	3	3
Communication Systems	2	3	3
Digital Electronics	3	3	4
PCB Fabrication	0	3	1
Tarjuma-tul-Quran / Civics	1	0	1

3rd Year

Subjects	Т	Р	С
Ethics / Islamiat & Pak Studies	1	0	1
Industrial Management and Human Relations	1	0	1
Occupational Safety & Health Environment	1	0	1
Computer Architecture	3	3	4
Industrial Electronics	2	3	3
Equipment Maintenance & Servicing	0	6	2
Project	0	6	2
Micro Controller Programming & Application	2	3	3
Power Electronics	2	3	3







Mechanical

Department

The Mechanical Technology program at CTTC prepares students for one of the most demanding and versatile engineering fields. The curriculum covers manufacturing processes, machine design, thermodynamics, hydraulics, pneumatics, and CNC machining, providing both theoretical knowledge and hands-on training in well-equipped labs and workshops.

Graduates have excellent career opportunities in automobile, aerospace, manufacturing, and industrial maintenance sectors. Additionally, on-campus recruitment opportunities connect students with top employers, ensuring internships and job placements for a successful professional career.

Courses	Min. Education Req.	Course Duration
Diploma Associate Engg. (Mechanical)	Matriculation (Science)	3 Years
CNC Programmer	Matriculation (Science / Arts)	6 Months
Machinist	Middle	6 Months

Boota Lall Mechanical Draftsman, Machinist , Ge	(Head of Department) neral Fitter, CNC	Samuel Aziz B.Tech - Mechanical	(Instructor)
Barkat Surjan Machinist, General Fitter	(Instructor)	Kamran Rashid MA Economics	(Instructor)
Nisar Anjum B.Tech - Mechanical	(Instructor)	Ali Haider DAE Mechanical	(Instructor)
M.Amjad Rana B.Tech - Mechanical	(Instructor)	Hamza Ashraf B.Tech - Mechanical	(Instructor)
llyas Masih DAE Welding	(Instructor)	Giles David B.Sc (Math, Phy , Chem)	(Instructor)



OUR FACULTY



Diploma of Associate Engineering Mechanical

1st Year

Subjects	Т	Р	С
Ethics / Islamiat & Pak Studies	1	0	1
Functional English	2	0	2
Applied Mathematics	3	0	3
Applied Physics	1	3	2
Applied Chemistry	1	3	2
Workshop Practice - I	2	15	7
a) Metal Work	0	3	0
b) Wood Work	0	3	0
c) Welding & Forging	0	3	0
d) Foundry	0	3	0
e) Theory	2	0	0
f) Basic Machine Shop - I	0	3	0
Computer Application	1	3	2
Safety Practice and Procedures	1	0	1
Basic Engineering Drawing and CAD - I	1	6	3
Tarjuma-tul-Quran / Civics	1	0	1

2nd Year

Subjects	T	Р	С
Ethics / Islamiat & Pak Studies	1	0	1
Applied Mechanics	1	3	2
Applied Mathematics	3	0	3
Business Communication	1	0	1
Business Management and Industrial Economics	1	0	1
Applied Electricity and Electronics	1	3	2
Metrology	1	3	2
Engineering Drawing - II	1	6	3
a) Machine Drawing - II	1	3	0
b) 2D & 3D CAD	0	3	0
Workshop Practice - II	2	12	6
a) Basic Machine Shop - II	0	6	0
b) Foundry and Patter Making	0	3	0
c) Adv. Welding	0	3	0
d) Theory Welding	2	0	0
Metallurgy	2	0	2
Tarjuma-tul-Quran / Civics	1	0	1





3rd Year

Subjects	Т	Р	С
Ethics / Islamiat & Pak Studies	1	0	1
Industrial Management and Human Relations	1	0	1
Hydraulic and Hydraulic Machines	1	3	2
Applied Thermodynamics	2	3	3
Industrial Planning & Production Methods	1	0	1
Machine Design & Analysis	2	3	3
Tool & Mould Design	2	3	3
Material test and Heat Treatment	1	3	2
Workshop Practice - III	2	6	4
CAD / CAM	1	3	2
CNC Machines	1	3	2

CNC Programmer

6 - Months Course

Computer aided design process (CAD/CAM/CNC) has revolutionized the process of product design. Modern techniques have integrated the design cycle from concept inception to CNC production operations. This course will focus on CNC (Manual, Software Programming) by using CAD & CAM simulation for efficient product design & development.

Subjects	T	Р	T
Fundamentals of CAD / CAM / CAE	20	80	100
Basic Mathematics	5	35	40
Basic Machine Shop Operations	15	80	95
Manual Programming	42	163	205
CNC Software Programming	40	200	240
IT Fundamentals	30	50	80
Functional English	8	32	40
Total	160	640	800

Machinist

6 - Months Course

In machinist training, the students are guided to work on the most modern lathe machines, shaper machines, cylindrical grinding machines, surface grinding and milling machines.

Subjects	Т	Р	Т
Measuring	8	22	30
Fitting (Bench Work)	7	154	161
Tool Grinding	7	79	86
Turning	10	155	165
Milling	6	119	125
Shaping	5	59	64
Workshop Project / Maintenance	1	48	49
I.T Fundamentals	8	32	40
Functional English	16	64	80
Total	68	732	800









Drafting Civil Course at CTTC prepares students for one of the most demanding fields in construction and infrastructure development. The curriculum covers architectural and structural drafting, building design, surveying, CAD (Computer-Aided Design), and project estimation, providing both theoretical knowledge and hands-on experience through modern drafting labs and industry projects.

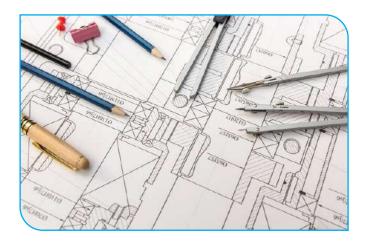
Graduates have excellent career opportunities in construction firms, architectural companies, government projects, and urban planning sectors. Additionally, on-campus recruitment opportunities connect students with top employers, ensuring internships and job placements for a successful career.

Course	Min. Education Req.	Course Duration
Drafting Civil	Matriculation (Art / Science)	2 Years

Munawar Chiragh
D/Man /Civil /Mechanical

Sharjeel Munawar
G-II Drafting Civil

(Head Of Department)
(Instructor)



(Drafting Civil)

In this training students have given the basic concept of building drawings, building materials, surveying, building work supervision and auto CAD (Computer Aided Design).

1st Semester

Subjects	Т	Р	Т
Engineering Drawing	140	600	740
Functional English	20	20	40
Work Ethics	_	20	20
Total	160	640	800

2nd Semester

•	Р	Т
110	435	545
30	165	195
20	20	40
	20	20
160	640	800
	30 20 -	30 165 20 20 - 20

3rd Semester

Subjects	Т	Р	Т
Building - II	126	430	556
Computer Application	14	170	184
Work Ethics	_	20	20
Functional English	20	20	40
Total	160	640	800

4th Semester

Subjects	Т	Р	Т
Quantity Surveying	110	320	430
Auto CAD (3D)	30	230	260
Project		50	50
Functional English	20	20	40
Work Ethics	- /	20	20
Total	160	640	800







Gulzar Sardar

Ashar Masih

Abu Bakr Raza

G-II (Auto & Diesel Mechanic)

Auto & Diesel Mechanic Certificate

Auto & Diesel Mechanic Certificate

Auto & Diesel Mechanic Department



Auto, Diesel & Mechanic Course at CTTC prepares students for one of the most demanding and rapidly growing fields in the automotive industry. The curriculum covers EFI (Electronic Fuel Injection) engine systems, scanner diagnostics, engine components, 2 stroke and 4 stroke engines, cooling system, power transmission system, engine overhauling, fuel systems, transmission, vehicle electrical systems, and modern vehicle maintenance, with hands-on training in well-equipped workshops.

Students also benefit from a 6-month internship in well-reputed auto industries, gaining real-world experience during their studies. Graduates have excellent career opportunities in automobile workshops, transportation companies, and manufacturing industries. Additionally, on-campus recruitment opportunities connect students with top employers, ensuring job placements and career growth.

(Instructor)

(Instructor)

(Instructor)

	Course	Min. Education Req.	Course Dura
	Auto & Diesel Mechanic	Matric (Arts & Science)	2 Years
	Auto Electrician	Middle	6 Months
>	Inderyas Arif G-II (Auto & Diesel Mechanic)	(Head Of Depar	tment)
	Zulqarnain Masih G-II (Auto & Diesel Mechanic)	(Instructor)	3 ()



31

(Auto & Diesel Mechanic)

1st Semester

Subjects	Т	Р	Т
Workshop Practice - II	70	300	370
Engines	23	235	258
Auto Electrical	7	65	72
Technical Mathematics	20	_	20
Technical Drawing	20	_	20
Functional English	20	20	40
Work Ethics	_	20	20
Total	160	640	800

2nd Semester

Subjects	Т	Р	Т
Power Train	32	200	232
Brakes / Suspension and Steering System	52	230	282
Driving & Riding (Car & Motorcycle)	16	170	186
Technical Mathematics	20	_	20
Technical Drawing	20	_	20
Functional English	20	20	40
Work Ethics	_	20	20
Total	160	640	800





3rd Semester

Subjects	Т	Р	Т
Engine	60	360	420
Power Train - II	20	140	160
Chassis System	20	100	120
Technical Mathematics - III	20	_	20
Technical Drawing - III	20	_	20
Functional English	20	20	40
Work Ethics	_	20	20
Total	160	640	800

4th Semester

Subjects	Т	Р	Т
Basic Electricity	32	74	106
Battery	9	69	78
Self-starter	9	113	122
Charging Circuit	13	165	178
Electrical & Electronic Devices	37	179	216
Technical Mathematics - IV	20		20
Technical Drawing - IV	20		20
Functional English	20	20	40
Work Ethics	_	20	20
Total	160	640	800



Auto Electrician 6 - Months Course

EFIOBD Scanner LAUNCH X431 PRO V5 -2023





The 6-Month Auto Electrician Course at CTTC prepares students for one of the most demanding fields in the modern automotive industry. The curriculum focuses on EFI (Electronic Fuel Injection) engine systems, battery ignition systems, various types of sensors in EFI engines, and vehicle diagnosis through OBD (On-Board Diagnostics) scanners. Students also learn about vehicle wiring, fault detection, and troubleshooting techniques using advanced tools and equipment.

With hands-on training in well-equipped labs and workshops, students gain practical experience essential for working in automobile workshops, service centers, and the transportation industry.



Scheme of Studies

Subjects	Т	Р	T
Introduction to Auto Electrician Basics	51	90	141
Starting System of Vehicle	13	80	93
Charging System of Vehicle	16	63	79
Ignition System of Vehicle	20	90	110
Wiring Circuits and Accessories	18	91	121
Vehicle Air Conditioning and System	12	80	92
Hybrid & Electric Vehicle	6	50	56
I.T Fundamentals	8	32	40
EFI Training	16	64	80
Total	160	640	800

F.Sc. (Radiography & Imaging Technology)

The Radiography & Imaging Technology program at CTTC prepares students for one of the most demanding fields in the healthcare industry. The curriculum covers X-ray imaging, ultrasound, CT scans, MRI techniques, and radiation safety, equipping students with the technical skills required for medical imaging and diagnostics.

To enhance hands-on learning, hospital practical training in well-reputed hospitals is conducted during the studies, allowing students to gain real-world experience in operating imaging equipment and assisting in accurate diagnosis. Graduates have excellent career opportunities in hospitals, diagnostic centers, and radiology departments.

Min. Education Req.	Course Duration	
Matriculation (Science with Biology)	2 Years	
Dr. Kenneth Kamran MBBS, MCPS, M.A & D.A Anesthesiology	(Head of C	Department)
Miss Izat Ijaz BS. (Hons) (Radiography & Medical Imaging T	·	or & Instructor)
Miss Nazish Ilyas M. Phil (Chemistry)	(Instructo	r)

Scheme of Studies Part - 1 Hours Distribution Per Year Hou

Subjects	Т	Р
Radiographic Techniques-I	240	240
Basic Medical Sciences-I	120	120
Applied Sciences-I	80	40
English-I	240	-
Urdu-l	240	-
Islamic Education / Civics for Non Muslims	40	-
Total	960	400

Part - 2 Hours Distribution Per Year

Subjects	Т	Р
Radiographic Techniques-II	240	360
Basic Medical Sciences-II	80	40
Applied Sciences-II	80	40
English-II	240	-
Urdu-II	240	-
Pak Studies	40	-
Total	920	440





FACULTY

UR



Operation Theater Technology



The Operation Theater Technology program at CTTC prepares students for one of the most demanding fields in the healthcare sector. The curriculum covers surgical procedures, sterilization techniques, anesthesia equipment handling, and patient monitoring, equipping students with essential theoretical knowledge and practical skills.

To enhance hands-on experience, hospital practical training in well-reputed hospitals is conducted during the studies, allowing students to gain real-world exposure and develop confidence in operation theatre environments. Graduates have excellent career opportunities in hospitals, surgical centers, and healthcare institutions.

Min. Education Req.	Course Duration
Matriculation (Science with Biology)	2 Years

Dr. Kenneth Kamran MBBS, MCPS, M.A & D.A Anesthesiology

UR FACULTY

(Head of Department)

Mr. Hunny Manzoor

(Instructor)

M. Phil (English)

Dr. Sheetal Naeem (Instructor)

Part - 1 Scher

Scheme of Studies

Part - 2 Hours Distribution Per Year

Hours Distribution Per Year

Subjects	Т	Р
Operation Theater Technique-I	240	240
Basic Medical Sciences-I	120	120
Applied Sciences-I	80	40
English-l	240	-
Jrdu-l	240	-
slamic Studies	40	-
Total	960	400

Subjects	Т	Р
Operation Theater Technique-II	240	240
Basic Medical Sciences-II	120	120
Applied Sciences-II	80	40
English-II	240	-
Urdu-II	240	-
Islamic Studies	40	-
Total	960	400



F.Sc. (Medical Laboratory Technology)

The Medical Laboratory Technology program at CTTC prepares students for one of the most demanding fields in the healthcare industry. The curriculum covers clinical pathology, microbiology, biochemistry, hematology, and diagnostic techniques, equipping students with essential laboratory skills for disease diagnosis and medical research.

To enhance practical learning, hospital practical training in well-reputed hospitals is conducted during the studies, allowing students to gain hands-on experience in laboratory procedures and modern diagnostic equipment. Graduates have excellent career opportunities in hospitals, diagnostic labs, research centers, and healthcare institutions.

Min. Education Rec	ļ.
Matriculation (Science with E	Biology)

Dr. Kenneth Kamran MBBS, MCPS, M.A & D.A Anesthesiology

Course Duration
2 Years

(Head of Department)

Mr. Usman Raza Medical Laboratory Technician

Miss. Sajida Jameel M.A (Urdu)

Miss Komal Qaiser (Instruct

(Medical Laboratory Technology)

Sajida Jameel (Instru

Scheme of Studies Compulsory Subjects

Subjects	Theoretical	Practical	Total Working Hours
English	150 x 1 Hours	-	150 Hours
Urdu	150 x 1 Hours	-	150 Hours
Islamic Studies	150 x 1 Hours	-	150 Hours
Pakistan Studies	150 x 1 Hours	-	150 Hours

Technical Subject 1st & 2nd Year (Medical Lab. Technology)

Subjects	Theoretical	Practical	Total Working Hours	
Elementary Anatomy & Micro Techniques	40 x 1 Hours	25x 2 Hours	250 Hours	
Elementary Anatomy & Micro Techniques	40 x 1 Hours	46 x 2 Hours	250 Hours	
Hematology & Blood Banking	50 x 1 Hours	70 x 2 Hours	250 Hours	
Hemutology & Blood Bunking	20 x 1 Hours	20 x 2 Hours	250 Hours	
(Microbiology-I) Bacteriology & Virology	55 x 1 Hours	70 x 2 Hours	250 Hours	
(MICLODIOLOGY-1) BUCCETIOLOGY & VILOLOGY	25 x 1 Hours	20 x 2 Hours	250 Hours	
Missississississississississississississ	50 x 1 Hours	50 x 2 Hours	250 Hours	
Microbiology-II Parasitological & Mycology	20 x 1 Hours	20 x 2 Hours	250 Hours	
Clinical Dathology 9 Carology	50 x 1 Hours	70 x 2 Hours	250 Hours	
Clinical Pathology & Serology	30 x 1 Hours	20 x 2 Hours	250 Hours	
Flamanitani Chamiatini O Chamiaal Dathalaa	40 x 1 Hours	25 x 2 Hours	260 Hours	
Elementary Chemistry & Chemical Pathology	60 x 1 Hours	60 x 2 Hours	200 Hours	
Grand Total	970	1020	1990 Hours	





F.Sc. (Dispensing Technology)



The Dispensing Technology program at CTTC prepares students for one of the most demanding fields in the healthcare and pharmaceutical industry. The curriculum covers pharmaceutical dispensing, drug formulation, dosage calculation, patient counseling, and medical store management, ensuring a strong foundation in both theoretical and practical aspects of the field.

To enhance hands-on learning, hospital practical training in well-reputed hospitals is conducted during the studies, allowing students to gain real-world experience in dispensing medications and handling prescriptions. Graduates have excellent career opportunities in hospitals, pharmacies, pharmaceutical companies, and healthcare institutions.

Min. Education Req.	Course Duration
Matriculation (Science with Biology)	2 Years

Dr. Kenneth Kamran (Head of Department)
MBBS, MCPS, M.A & D.A
Anesthesiology

Dr. Lily Robert MBBS & MCPS

DUR FACULTY

(Coordinator & Instructor)

Dr. Ruhama Arshad (Instructor)

Doctor of Pharmacy

Mr. Waqar Suleman (Instructor) M. Phil (Physics)

Part - 2

Part - 1 Scheme of Studies Hours Distribution Per Year

Hours Distribution Per Year



Subjects	Т	Р
Dispensing Techniques-I	240	240
Basic Medical Sciences-I	120	120
Applied Sciences-I	80	40
English-I	240	-
Urdu-I	240	-
Islamic Education / Civics for Non Muslims	40	-
Total	960	400

Subjects	Т	Р
Dispensing Techniques-II	240	360
Basic Medical Sciences-II	80	40
Applied Sciences-II	80	40
English-II	240	-
Urdu-II	240	-
Islamic Education / Civics for Non Muslims	40	-
Total	920	440

Anesthesia Technician

The Anesthesia Technician program at CTTC prepares students for one of the most demanding fields in the healthcare industry. The curriculum covers anesthesia administration, patient monitoring, operation theatre assistance, pain management, and emergency care, equipping students with the essential skills required to assist anesthesiologists during surgical procedures.

To enhance hands-on learning, hospital practical training in well-reputed hospitals is conducted during the studies, allowing students to gain real-world experience in anesthesia techniques and patient care. Graduates have excellent career opportunities in hospitals, surgical centers, and intensive care units (ICUs).



Min.	Education Req.
Matriculation	n (Science with Biolog

Dr. Kenneth Kamran MBBS, MCPS, M.A & D.A Anesthesiology

Dr. Sheetal Naeem

Course Duration
2 Years

(Head of Department)

(Coordinator & Instructor)



Scheme of Studies

Part - 1

UNIT-1: Operation Theater

UNIT-2: Management Equipment & Devices

UNIT-3: Sterilization & Disinfection

Part - 2

UNIT-1: General Principles of Anesthesia

OUR FACULTY

UNIT-2 : Equipment

UNIT-3: Procedures







Public Health **Technician**



The Public Health Technician program at CTTC prepares students for one of the most demanding fields in the healthcare sector. The curriculum covers disease prevention, community health, epidemiology, environmental health, and health education, equipping students with the skills needed to improve public health and safety.

To enhance hands-on learning, hospital practical training in well-reputed hospitals is conducted during the studies, allowing students to gain real-world experience in healthcare programs and public health initiatives. Graduates have excellent career opportunities in hospitals, government health departments, NGOs, and community health organizations.

	Min. Education Req.
Matr	iculation (Science with Biology)

Course Duration

2 Years

Dr. Kenneth Kamran (Head of Department) MBBS, MCPS, M.A & D.A Anesthesiology

Miss Saba Safdar Masters (Public Health) (Coordinator & Instructor)

Scheme of Studies

Part - 1

UNIT-1: Communicable Diseases Control

UNIT-2: Elementary Entomology & Parasitological

UNIT-3: Immunity & Vaccination

UNIT - 4: Vector Born Diseases

UNIT- 5 : Public Health Administration

UNIT - 6: Vital Statistics

Part - 2

UNIT - 1 : Food & Nutrition

UNIT - 2 : Food Adulteration

UNIT - 3 : General Hygiene

UNIT - 4 : Environmental Hygiene

UNIT - 5 : Municipal & Rural Hygiene

UNIT - 6 : Hospital Hygiene

UNIT - 7 : Occupational Hygiene

UNIT - 8 : Minor Sanitary Engineering 39



Facilities

at CTTC

Facilities for Students at CTTC

- 21 acre beautiful campus in the heart of the city
- Well equipped labs
- Generator backup
- Qualified & trained faculty
- On-Campus Recruitment facility
- ❖ Sports grounds available to students for playing cricket, football & basketball
- Safe, Secure and Disciplined environment for students
- Cafeteria
- ❖ Air conditioned computer labs
- Medical Room & Ambulance



















Learning & Development

Services

Learning & Development Services

- Ÿ Central Library
- γ Internship & Job Placement Office
- Ÿ Health Care Services
- Ϋ́ Engineering Services

Central Library

The Centre has a central library. At present there are about 15,000 books ranges from technical education to general knowledge. The library also has sufficient volumes of technical journals. The books can be issued from CTTC central library. Reference books can also be consulted from the library.

Career Resource Centre

The Christian Technical Training Centre offers students valuable updates in the latest trends and potential Job opportunities available in the field of higher education and employment. Career resource centre also helps CTTC trainees to get internships in Industries and hospitals with respect to their field of study.

Health Care Services

Students requiring immediate medical attention are referred to SCD dispensary and District Head Quarter hospital Gujranwala. The first aid boxes are provided in workshops to meet any emergency.





Scholarships

The Christian Technical Training Centre provides scholarship in the form of fee concession to its trainees. The fee concessions are given to deserving hostel and day scholar students on the following basis:

- Need + Merit based
- Merit based
- Orphan students

Key Notes

- 1. The application form can be taken from the scholarship office.
- 2. The decision of approval or cancellation of scholarship is made by the scholarship committee after careful assessment of the information provided by the applicant.
- 3. No application will be taken after the deadline.

The scholarship will be cancelled on the following basis:

- Low attendance
- Poor Behavior in class
- False information provided by the student
- Involvement in any disputes/fights







Co-Curricular Activities

A healthy mind needs a break from the monotony of studies, which is important for a healthy body to reach its full potential. The Christian Technical Training Centre provides ample opportunities to students to participate in the following cocurricular activities.

- Project Exhibition & Industrial EXPO
- Principal address & Investiture ceremony
- CTTC graduation
- CTTC industrial tours
- Workshop & Seminars for students
- Parent teacher meeting
- Motivational sessions
- ❖ Teacher's training









Project Exhibition & Industrial EXPO 2024

"Project Exhibition and Industrial EXPO" was held on

December 2024 for the very first time in history of CTTC in order to build

strong academia-industries linkage, Following Industries were participated in

EXPO 2024 (SUZUKI Motors, HONDA Motors, Tariq Engineering, Champion Paints, BOSS (Pvt.)

Golden Fuji, Nayatel, Mughal Associate, Sky Plastic, Akram Spot Welding, Pak Autos, Golden Dynamic)
in order to provide internship leading to job opportunities to our graduates.

Brig. Irfan Sadiq Gill (Head Quarters National Guards 30 CORPS)
graced the occasion as the Chief Guest. He praised students who put their efforts
and dedication in final year projects. Certificate of internship were also awarded to students in this event.

Various projects were exhibited in EXPO 2024

Departments	Projects
Architecture	5
Computer Information Technology	9
Civil	6
Electronics	5
Mechanical	9
Electrical	5
Auto & Diesel Mechanic	4
Drafting Civil	3
Paramedical	5
Total	51







Industrial Tours / Study Visit

CTTC regularly arranges industrial and study visits to provide students with practical exposure to their respective fields. These visits bridge the professional work environments.



International Speaker



Students's Trainings Motivational Session & Workshops

CTTC conducts training and motivational sessions throughout the year to enhance students' skills, confidence, and career readiness. These sessions focus on professional development, technical expertise, and personal growth, empowering students to overcome challenges and achieve their goals. Experienced trainers and industry experts guide students, inspiring them to excel in their academic and professional journeys.



Awareness Session on Breast Cancer & Dengue Fever



Awareness Session Traffic Rules & Regulations





Rescue 1122 - Fire Fighting & First Aid Training



Free Auto Technical Training Workshop for Women





Official Visits















Internships & Job Placement

CTTC has established Internship and Job Placement Office to provide support to students in work experience placements including internships and jobs and guide them according to industries requirements. In year 2024, 64 fresh graduates of CTTC got jobs in various reputed industries.



Internship of Students at HONDA Gujranwala



Internship of Students at TOYOTA Rahwali



Hospital Training Certificates to Paramedical Students



Internship of Students at GEPCO



Mr. Sarfraz Nazeer
Deputy Director Admission &
Job Placement Officer



Internship of Students at Hyundai



Sport Gala, Debate & Dramatics Competition 2024

Tree Plantation & Cleanliness Walk

CTTC organized a Tree Plantation and Cleanliness Walk, with the esteemed participation of Deputy Commissioner Gujranwala. The event aimed to promote a Clean and Green Pakistan, emphasizing the importance of environmental sustainability and renewable energy. Students and faculty members joined hands to plant trees and spread awareness about cleanliness, reinforcing the commitment to a healthier and greener future.

















Recreational Trips



Murree & Bhurban









Achievements

List of Position Holder in District Gujranwala Punjab Board of Technical Education Lahore, DAE First Annual Examination 2024



MUHAMMAD SOHAIB AHMAD Architecture B. Roll # 159821 2804/3150 (89.02%)



Architecture B. Roll #1598181 2780/3150 (88.25%)



Mechanical B. Roll #173935 3032/3450 (87.88%)



MUHAMMAD ABDULLAH CIT Tech. B. Roll # 165066 2807/3200 (87.72%)



UZAIR SHAHID Architecture B. Roll # 159844 2753/3150(87.40%)



3022/3550 (85.13%)



MUHAMMAD OASIM ALI Electrical Tech. B. Roll # 167395 Electrical Tech. B. Roll # 167410 3016/3550 (84.96%)



MUHAMMAD UMAR ABBAS 2708/3200 (84.63%)



FAIZAN ALI 2904/3450 (84.17%)



CIT Tech. B. Roll # 165082 Electronics Tech. B. Roll # 171335 Electronics Tech. B. Roll # 171356 2900/3450 (84.06%)



MUHAMMAD DANIYAL CIT Tech. B. Roll # 165084 2682/3200 (83.81%)



DANYAL AHMAD Civil Tech. B. Roll # 161819 2980/3500 (83.43%)



SAQIB MUSTAFA Civil Tech. B. Roll # 161807 2902/3500 (82.91%)



UMAR FAROOQ Electronics Tech. B. Roll # 171336 2853/3450 (82.70%)



MUHAMMAD JUNAID MUGHAL Mechanical Tech. B. Roll # 161820 2873/3500 (82.23%)



Electrical Tech. B. Roll # 167394 2920/3550 (82.25%)



RAHUL SHAHZAD Civil Tech. B. Roll # 161820 2873/3500 (82.23%)



ABDULLAH MAZHAR CIT Tech. B. Roll # 165104 2577/3200 (80.53%)



CIT Tech. B. Roll # 165086 2538/3200 (79.31%)



Civil Tech. B. Roll # 161832 2774/3500 (79.26%)



MUHAMMAD LUQMAN Electronics Tech. B. Roll # 171355 CIT Tech. B. Roll # 165075 2719/3450 (78.81%)



HAFIZ ASAD MAZHAR 2491/3200 (77.84%)



MUHAMMAD SALMAN SIDDIQI Electronics Tech. B. Roll # 171350 2683/3450 (77.77%)



Electronics Tech. B. Roll # 171352 2677/3450 (77.59%)



Mechanical Tech. B. Roll # 173949 2662/3450 (77,16%)

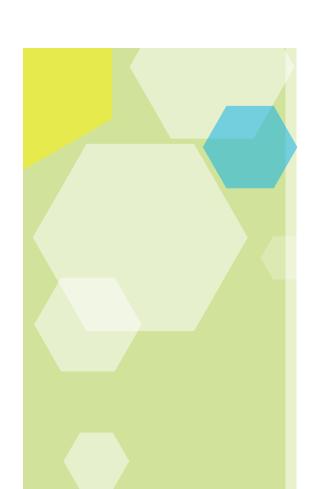


Civil Tech. B. Roll # 161799 2690/3500 (76.86%)



Congratulations





ACADEMIC CALENDAR 2025-2026

S.No	DATE	EVENTS
1.	March - Sep 2025	Fall 2025 Admission Campaign.
2.	1 st Week of May 2025	1 st Annual Exams 2025 (PBTE)
3.	June-July 2025	Technical Summer Camp and Teacher's Training & Workshop/Seminars/Webinars
4.	4 th Aug. 2025	Commencement of 2 Year & 3 Year Classes
5.	4 th Week of August 2025	Final Exams of G-II (Trade Testing Board Lahore)
6.	14 th Aug 2025	Independence Day Celebration
7.	1 st Sep 2025	Commencement of 1 Year Classes - Intake 2025
8.	1 st Week of Oct 2025	Principal Address with Freshmen
9.	1 st November, 2025	125 Years Celebrations of CTTC
10.	1st Week of Nov 2025	Debates & Drama Competition
11.	4 th Week of Nov 2025	Industrial EXPO & Project Exhibition 2025
12.	4 th Week of Nov 2025	2 nd Annual Exams 2025 (PBTE)
13.	22 nd Dec 2025 to 3 Jan 2026	Winter & Christmas Holidays
14.	2 nd Week of Jan 2026	Admission Campaign in Schools
15.	1 st Week of Feb 2026	Final Term Exams DAE
16.	3 rd Week of Feb 2026	Sports Competition (Cricket, Badminton, Table
		Tennis, Football, Tug of War, Sprint & Cultural Day)
17.	4 th Week of Feb 2026	Parents Teacher Meeting
18.	1 st Week of May 2026	1 st Annual DAE Examination, 2026 (PBTE)
19.	1 st Week of June 2026	Students Summer Vacations.
20.	June - July, 2026	Free Technical Summer Camp
21.	July 2026	Teacher's Training & Workshops /
		Seminars / Webinars
22.	3 rd Aug 2026	Commencements of 2 nd Year & 3 rd Year Classes
23.	14 th Aug 2026	Independence Day Celebration
24.	1 st Sep 2026	Commencement of new Classes - Intake 2026

NOTE: Monthly test of DAE & Paramedical will be conducted last week of each month.

Monthly test of G-II & G-III (Trade Testing Board) will be conducted last week of each month.

Admission

Procedure

Admission procedure for diploma & certificate courses

GENERAL INSTRUCTIONS

- a) In case of any queries please dial 055-3847107 CTTC reception during working hours (8:00 am to 4:00 pm) on any weekday except sunday. Staff members of CTTC are also available for consultation during admission period.
- b) The application form must be submitted along with the required documents (mentioned in the form). No application will be processed after the last date.

ELIGIBILITY FOR ADMISSION

2.1 Educational Requirements (3 Year Diploma Courses)

Students who are seeking admission for diploma of associate engineering courses in Civil, Electrical, Mechanical, Electronics, Architecture and CIT must have passed their matriculation in science subjects from any Board of Intermediate and Secondary Education of Pakistan or any equivalent examination recognized by Punjab Board of Technical Education Lahore.

The admission / registration will be confirmed after verification of the matriculation certificate from the concerned board.

2.2 Age Limit

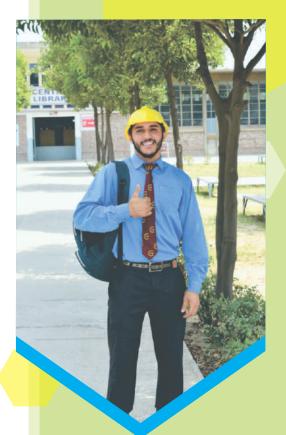
The age of the applicant seeking admission in technical & paramedical courses is 18 years, however relaxation can be granted by the following authorities.

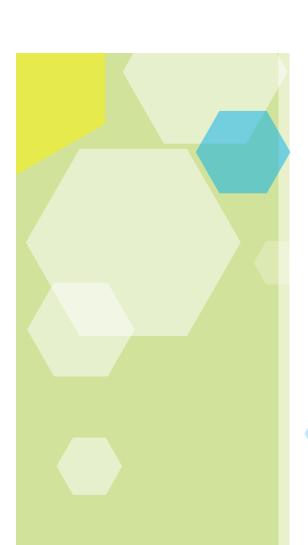
a) (18-21) Years Principal CTTC b) (21 and above) PBTE & PMF

The request for age relaxation to PBTE will be processed through Principal office.

2.3 Physical Fitness

Applicant should be physically and mentally fit for working in laboratory and workshop.





Admission process

a) Applicant seeking admission must fill the application form FI (attached in the prospectus) in BLOCK LETTERS and submit at CTTC reception.

The following documents must be attached with the application form:

- i. Matriculation / Middle pass certificate or school leaving certificate. (4 photo copies)
 [As per the eligibility criteria for admission in a respective course]
- ii. Character certificate. (photo copy)
- iii. Father/Guardian computerized national identity card. (photo copy)
- iv. Form-B of the student. (photo copy)
- v. Eight(8) recent 1.5x1.5 size photographs. (original)
- vi. Undertakings on stamp paper. (sample mentioned on page No. 61 & 62) [To be provided upon the confirmation of admission at CTTC]
- b) Admission Office will issue an interview call letter as a receipt against your admission form. The detail of fee and other necessary information will be given on the call letter.
- c) All selected students will submit their original documents and fee as per admission schedule otherwise his/her admission will be considered as cancelled and student on waiting list will be given a chance.

CTTC Uniform

DAE / G-II / G-III Students

For Boys: Grey trousers, blue shirt and neck tie with CTTC monogram. (Necktie is available at CTTC bookstore)

For Girls: White shalwar kameez with blue dopatta.

Paramedical Students

For Boys: Navy blue trousers, white shirt, lab coat and neck tie For Girls: White shalwar kameez with blue dopatta and lab coat.

Rules & Regulations

The students are expected to conduct themselves in a disciplined manner, to acquire that nature and responsible outlook about life which is expected of them when they complete their studies from CTTC.

1. CTTCIAN'S CODE OF HONOR

- a. Aspire to be faithful and respect the conviction of others in matters of faith and custom.
- b. Aspire to be loyal to his country and refrain from doing things, which might lower its honor and prestige.
- c. Aspire to be truthful and honest in his dealings with all people.
- d. Aspire to respect the elders and be polite to all especially with women and children.
- e. Aspire to respect teachers and staff members of the Centre.

2. GENERAL RULES OF CTTC

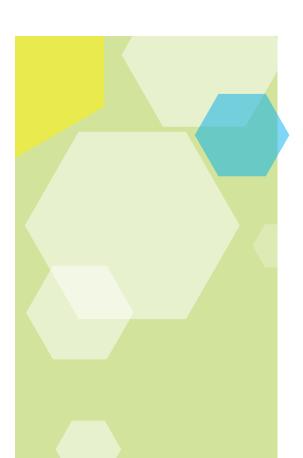
The general rules for the students of CTTC are:

- ÿ Strictly follow the college timings. In case of frequent late arrivals the student will be suspended from the college.
- Ÿ Take permission from the class teacher before leaving for any work/need and obtain the pass from the teacher/CR.
- Ÿ In case of quarrel or any other disciplinary matter the decision of the administration/disciplinary committee shall be final & unchangeable.
- Ÿ The use of drugs and smoking is prohibited on campus. Violation of this rule may lead to immediate suspension from the college.
- Ÿ In case of absence without leave, parents will be informed through sms on the guardian's contact number provided at the time of registration.
- Ÿ Use of mobile phone is prohibited in the college premises. In case of violation fine of Rs. 500 will be charged.

Attendance Policy:

- ÿ Students are expected to arrive at college on time i.e. 08:00 am morning (Sharp).
- ÿ 80% attendance is Mandatory.
- Ÿ Students who are absent for 3 x days in a month without informing Head of Department will be charged according to CTTC attendance policy fine of rupees 3000/- + all outstanding fee. In addition, respective HoD must inform their parents/guardian as well.





Discipline Policy

General Instructions for Students:

- 1. Students are instructed to only bring sports bags/ transparent bags.
- 2. Proper dress code must be followed by boys/girls as per mentioned in the prospectus. Students are not allowed to enter in college without uniform.
- 3. Masks should be worn properly.
- 4. Use of Mobile phone is prohibited in the college premises.
- 5. Students are not allowed to bring the following: Cigarettes, vapes, lighters, permanent markers, speakers, weapons, intoxicating drugs/alcohol or any uncontrolled substances in college.
- 5. Students are expected to show respect and behave appropriately with teachers and administrative staff
- 7. No student shall participate and indulge in any walkout, strikes against the institute.
- 8. In case of quarrel/dispute or any other disciplinary matter, the decision of the Administration/ Disci plinary committee shall be final and unchangeable.
- 9. Students at Christian Technical Training Centre are responsible for maintaining appropriate behavior at all times and becoming responsible citizens. Students who willfully disregard college policy will be subject to progressive discipline sanctions.

Activities that may result In Suspension, Expulsion, Police Involvement

- I Defacing college property. (Student and parent are responsible to pay for damages).
- 2 Fighting/ Dispute.
- 3 Stealing or extortion.
- 4 Threatening or misbehave with staff and officers.
- Possession of weapons including any type of knife, gun and bullets.
- 6 Publication or distribution of unauthorized materials.
- 7 Climbing of fences or gates.
- 8 Political involvement.
- 9 Sexual harassment.
- 10 Any type of gang activity and gambling.
- 11 Use or possession of drugs or alcohol.
- 12 Religious Discussion

Disciplinary Action

Disciplinary action will be taken according to the severity of the case.

Note:

In case ammunition, gun, bullets, knife found from student, he/she will immediately dismiss from the college. Additionally, students involved in criminal activities may be subject to police arrest and judicial disciplinary action.

Management of institute may amend/update the policy as per requirement.

Examination

The examination system for DAE and G-II courses are as follows:

DAE & PMF Exams System

- Ÿ CTTC Internal Exams which includes; monthly test, mid term exams and pre exam preparation test.
- Ÿ Annual exams taken by Punjab Board of Technical Education & Punjab Medical Faculty.

G-II Exam System

Exams are divided into four semesters:

- Ÿ Every semester has a mid-term followed by final exam.
- Ÿ After the completion of fourth semester, the final exam is conducted by Trade Testing Board Lahore.

CTTC Examination Rules and Regulations

- Ÿ Every year new academic session of CTTC starts in the month of September and ends in August. (12 Months)
- Ÿ During an academic session the final-term exams for DAE students has been conducted in the month of February.
- Ÿ For certificate level (G-II students), the semester exams have been conducted after every 6 months.
- Ÿ The head of each department keeps the record of the results. In case the performance of the students is not improving, the parents will be informed for meeting.

The general rules and regulation for CTTC internal exams are as under:

- Ÿ Minimum of 80% attendance is required to appear in CTTC Internal examination.
- Ÿ Sessional marks will be awarded to the trainees on their individual performances in workshop, class participation and assignments.
- Ÿ Minimum passing marks for theoretical subjects is 40%.
- Ÿ Minimum passing marks for Practical is 70% for certificate level (G-II students).
- The overall grading of CTTC Internal exams is as under:
 A=80% to 100%, B=70% to 80%, C=60% to 70%, D=50% to 60%



Undertaking

Undertaking Fee Schedule [Sample]

For DAE Students

l, Mr./Ms	S/D/o
enrolled in DAE in CI that I shall pay the college tuition fee as per	hristian Technical Training Centre, Gujranwala do solemnly declar the college fee policy.
The basic rules are mention below:	5 ,
ÿ I shall be liable to pay 36 month fee for	the 3 year Diploma of Associate Engineering program.
Ÿ I shall be liable to deposit my college fe charged.	ee before 10 th of every month, otherwise fine of Rs. 200/- shall be
Ÿ During the 3 rd year of studies, I shall en	sure my final clearance with payment of dues in the month of June.
Ÿ I shall be liable to pay the tuition fee as	per the annual raise in fee.
Ÿ I shall be submitting the fee in CTTC ac	counts office or the bank nominated on the fee challan form.
ÿ In case, I want to leave the college due fee till the intimation of date of leaving	to any personal reason/ disciplinary action, I shall be liable to pa
Student's signature:	Father's/ Guardian's signature:
Left Thumb Impression:	Left Thumb Impression:
Date:	Date:
Note: (To be submitted on Rs.100/- STAMP You must submit this undertaking after the co	PAPER by a candidate duly signed and stamped by oath commissione onfirmation of your admission at CTTC)

Undertaking [Sample]

I, IVIr.	viss/D/oS/D/o enrolled in DAE/G-II/G-III/Paramedical
agair	t roll no in Christian Technical Training Centre, Gujranwala, do solemnly declare that I shall
have	o direct / indirect affiliation with any political / religious party and / or ethnic group during my stay in the
instit	tion and shall not indulge in any activities that will link me with political / religious / ethnic parties.
In case I am found guilty of indulging in any such activities, I may be expelled from the centre without any further	
notice.	
The general rules for the students of CTTC are:	
Ϋ	trictly follow the college timings. In case of frequent late arrivals the student will be suspended from the ollege.
Ϋ	ake permission from the class teacher before leaving for any work/need and obtain the pass from the eacher/CR. Violation of this rule will lead to fine of Rs. 300 along with the engagement in campus work.
Ϋ	n case of quarrel or any other disciplinary matter, the decision of the Administration/Disciplinary committee shall be final & unchangeable.
Ϋ	he use of drugs and smoking is prohibited on Campus. Violation of this rule may lead to immediate uspension from the college.
Ϋ	n case of absence without leave, Parents will be informed through SMS on the guardian's contact number provided at the time of admission.
Ϋ	Ise of mobile phone is prohibited in the college premises. In case of violation fine of Rs. 500 will be harged.
Ϋ	Reeping in view about the security threats to educational institutes, the security clearance of each student will be carried out as and when required by the police authorities.
Ϋ	declared that I am not registered in any other board
Student's Signature: Date:	
Left Thumb Impression:	

Note:

Please take printout of this undertaking on stamp paper of PKR 100 duly signed and stamped by the oath commissioner. You must submit this undertaking after the confirmation of your admission at CTTC.



Christain Technical Training Centre

Civil Lines, Church Road, Gujranwala.

Tel: +92(055) 3847107-8 Mob: 0329-1900023

Email : Info@cttc.edu.pk
Web : www.cttc.edu.pk