

#### Employment Through Skill

# Sindh Technical Education & Vocational Training Authority (STEVTA) Government of Sindh



# GOVERNMENT COLLEGE OF TECHNOLOGY (GCT) LARKANO



PROSPECTUS BATCH - 2024

# BACHELOR OF ENGINEERING TECHNOLOGY (CIVIL)

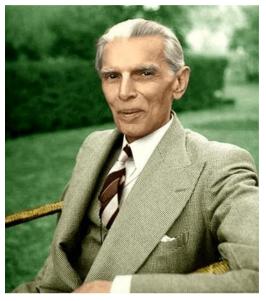


## **AFFILIATED WITH**

THE BENAZIR BHUTTO SHAHEED UNIVERSITY OF TECHNOLOGY AND SKILL DEVELOPMENT, KHAIRPUR MIR'S

# QUAID-E-AZAM MUHAMMAD ALI JINNAH MESSAGE ON REORIENTATION OF EDUCATION

(An Extract from message to All Pakistan Educational Conference, Karachi, November 27, 1947)



".. if we are to make any real, speedy and substantial progress, we must earnestly tackle this question and bring our educational policy and programme on the lines suited to the genius of our people, consonant with our history and culture, and having regard to the modern conditions and vast developments that have taken place all over the world.

There is no doubt that the future of our State will and must greatly depend upon the type of education and the way in which we bring up our children as the future servants of Pakistan.

Education does not merely mean academic education, and even that appears to be of a very poor type. What we have to

do is to mobilize our people and build up the character of our future generations.

There is immediate and urgent need for training our people in the scientific and technical education in order to build up future economic life, and we should see that our people undertake scientific commerce, trade and particularly, well-planned industries. But do not forget that we have to compete with the world, which is moving very fast in this direction. Also I must emphasize that greater attention should be paid to technical and vocational education.



In short, we have to build up the character of our future generations which means highest sense of honour, integrity, selfless service to the nation, and sense of responsibility, and we have to see that they are fully qualified or equipped to play their part in the various branches of economic life in a manner which will do honour to Pakistan."

#### MR JUNAID BULAND

Special Assistant to Chief Minister, Sindh / Chairperson, STEVTA

It is with immense pride and optimism that I extend my warmest greetings to all prospective students and stakeholders of our esteemed institution. The launch of the **4-Year Bachelor of Engineering Technology (BET) Programme** marks a pivotal milestone in our unwavering commitment to fostering innovation, excellence, and a brighter future for Pakistan.



In today's rapidly evolving world, the role of technologists has become increasingly critical in driving industrial growth, economic development, and technological advancements. Pakistan stands on the cusp of a transformative era, where integrating cutting-edge technologies across various sectors is not only a demand of the times but a necessity for sustainable progress.

Technologists and skilled professionals, with their unique blend of theoretical knowledge and practical expertise, serve as the vital link between conceptual innovation and real-world application. Recognising this essential role, **STEVTA** is dedicated to establishing state-of-the-art institutes that meet the highest academic and professional standards. These institutes are envisioned as dynamic environments where trainees can excel both academically and practically, preparing them to meet the challenges of an increasingly competitive global market.

Our skill training and educational programmes—ranging from **Skill Training Certificates** to **Diplomas** and **Bachelor Degree Programmes**—have been meticulously designed to align with international standards while addressing the specific needs of our local industries. These programmes aim not only to equip students with the technical skills required for success but also to offer a transformative educational journey that empowers them to emerge as leaders, innovators, and change-makers.

This is more than an academic initiative; it is a call to action. It is a commitment to nurturing a generation of forward-thinking technologists and professionals who will contribute meaningfully to Pakistan's progress and elevate its standing on the global stage.

I urge the youth of Pakistan to embrace this unparalleled opportunity to unlock their potential, acquire industry-relevant skills, and play an active role in shaping our nation's future. Together, let us pave the way for a Pakistan that stands as a beacon of technological excellence, innovation, and sustainable growth.

## ENGR. MUNAWAR ALI MITHANI

# Managing Director STEVTA

In the current socio-economic climate, where widespread poverty and unemployment are exacerbated by a mismatch between available skills and labour market demands, the introduction of the 4-Year Bachelor of Engineering Technology (BET) Programme represents a beacon of hope and progress for our youth.



This transformative programme is specifically designed to bridge the critical gap between education and employability, equipping students with the technical expertise and professional acumen required to excel in an increasingly competitive and dynamic global economy.

The Technical & Vocational Education and Training (TVET) sector, to which this programme belongs, plays an indispensable role in societal upliftment and the economic empowerment of our youth. By equipping students with essential engineering skills, we aim to contribute significantly to the development of Pakistan's human resources and ensure the availability of a technically trained workforce, particularly in middle management roles that form the backbone of industrial growth.

Despite being perceived as a labour surplus economy, Pakistan faces the paradox of rising youth unemployment, even as public and private sector employers struggle to find a technically educated and skilled workforce. To address this challenge, STEVTA is committed to adopting global best practices, enhancing the efficiency of TVET administration, introducing innovative academic programmes, and fostering robust industry linkages. The Bachelor of Engineering Programme exemplifies this vision, offering a curriculum tailored to meet the evolving needs of industry and society.

Globally, the TVET sector is recognised as a powerful tool for reducing unemployment and poverty. Yet, a persistent challenge remains: formal education continues to overshadow technical education. It is imperative to change this perception and promote engineering and technical programmes as not just viable but aspirational career pathways.

STEVTA is dedicated to addressing this challenge by enhancing academic offerings to meet global standards, strengthening institutional infrastructure, ensuring transparency & inclusivity in the admission process, and delivering high-quality education and training.

To ensure equitable access, especially for youth from disadvantaged communities across Sindh, STEVTA is committed to a one-window operation for admissions, guaranteeing fairness and inclusivity in its processes.

I invite the aspiring youth of Pakistan to seize this opportunity and join us on this journey of excellence and innovation. Together, we can contribute meaningfully to the progress of our nation, building a prosperous future for generations to come.

# DR. ENGR. MUHAMMAD SALEH SHAH

Principal

G.C.T. Larkano

It is with great pride and enthusiasm that I welcome you to the **Government College of Technology, Larkano**, a historic institution that has been a cornerstone of technical education in the region for over **61 years**. For more than half a century, this institution has played a vital role in shaping society by producing skilled youth as **Associate Engineers**, laying the foundation for Pakistan's technical workforce.



In the last decade, the college has expanded its vision, striving to contribute more significantly to national development and address pressing challenges such as poverty. Under the guiding vision of **Sindh Technical Education & Vocational Training Authority (STEVTA)** and its slogan, **"Employment Through Skills,"** we began offering the **Bachelor of Technology (B-Tech)** programme. This initiative was aimed at enhancing the skills and knowledge of our graduates, empowering them to advance their careers and meet the demands of both local and international industries.

The B-Tech programme was not limited to our own alumni but welcomed **Associate Engineers** from various institutions across the country, particularly from the Larkano region. Additionally, it provided a unique opportunity for **H.S.C.** (**Pre-Engineering**) graduates who had missed admission to traditional engineering programmes. Recognising the evolving educational landscape, the college transitioned to the **B.Sc. Engineering Technology** programme in 2021 to align with national and global qualification standards.

This year, we are proud to announce the launch of the **Bachelor of Engineering Technology** (**B.E. Tech**) programme in **Civil Engineering Technology**, offered in affiliation with **The Benazir Bhutto Shaheed University of Technology and Skill Development, Khairpur Mir's**. This marks yet another milestone in our journey to deliver industry-aligned education and address skill gaps in the workforce.

Our strong industry linkages ensure that students are trained according to contemporary standards, enhancing their employability or preparing them to excel as entrepreneurs. The college is also committed to nurturing innovation and supporting students with entrepreneurial ambitions, providing them with the encouragement and resources needed to launch start-up projects.

As you join the **Government College of Technology, Larkano**, I am confident that together—with the dedicated efforts of our faculty, staff, and students—we will form a dynamic team, akin to the power of a jet engine, propelling the learning process forward. This synergy will ensure a productive environment characterised by excellence in both quantitative and qualitative outcomes.

I wish you every success in your educational journey and look forward to witnessing the remarkable contributions you will make in shaping the future.

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## **VISION**

"Technical Education for employability and sustainable socio-economic development"

## **MISSION**

"To provide quality education and training with skills to the trainees in the prescribed area of engineering and technology to become outstanding engineering technological professionals and human-beings for effective industrial and socio-economic development of the country.

# **OBJECTIVES**

The main object of this College is to produce high quality technology graduates equipped with practical hands-on experience needed to serve the community. The specific objectives of the college are:

- To providing knowledge of latest technological trends in order to provide the updated knowledge in their respective fields.
- To assess the training needs in the context of domestic and global market.
- To develop linkages with the industry for training, assessment and employability.
- To provide training opportunities to the faculty and staff of the college.
- To focus on the character building of students as to play vital role in the development of society.
- To motivate the students with desires to learn and give professional guidance based on their potential.
- To arrange seminars/workshops for enhanced knowledge and skills, improved professional networking, increase credibility, access to industry experts, exposure to new ideas and
- trends, personal and professional growth.



# ACADEMIC CALENDAR 2024-2025

# FOR BACHELOR OF ENGINEERING TECHNOLOGY PROGRAM (BATCH-2024)

Academic and Examination Schedule					
	Durati	on of Academic	Session (Y	'ear)	
		Two semester duration	21 × 2 = 42 weeks	* Minimum attendance requirement to be eligible to appear in semester examination is 75%.	
Teaching including Mid Semester Examination	16 weeks	Summer Vacation	08 weeks	* Minimum No. of lectures during the semester in a subject of 3CHs shall be 42. * Minimum No of lectures during the semester in a Practical of 1CH shall be 42.	
Final Examination Preparation	02 weeks	Winter Vacation	02 weeks	* Each credit hour (Theory)	
Final Examinations	03 weeks			is of one contact hour.	
(Conduct)	03 weeks			* Each credit hour (Practical) is of 03 contact hours.	
Total	21 weeks	Total	52 weeks	22 22 00 000000000000000000000000000000	

# TENTATIVE CALENDAR OF THE SESSION: 2024-25 (BATCH-2024)

Sr. No.	Activities	Proposed Date
01	Commencement of Classes (1st Semester)	20-01-2025
02	Conduct of Mid Term Examination.	10-03-2025
03	Suspension of Classes	19-05-2025
04	Conduct of Final Semester Examination	26-05-2025
05	Announcement of Result (Expected)	03-07-2025

#### 1. INTRODUCTION

#### 1.1 Technical Education in Pakistan

The significance of Technicians and Technical Education for economy of a country is prominent due to the industrial and Computer Revolution of the Century, the revolutions which have changed the world face. The growth, production and proper function of an Industry largely depends on the pyramid of productive work force i.e., Engineer, Associate Engineer (Technician) and skilled worker. An Associate Engineer occupies the most important and middle position in the pyramid of productive work force. Through the skilled worker an Associate Engineer shapes up the ideas of Engineer into reality. The main sources of production of Associate Engineers are College of Technologies, Polytechnics and other Technical Institutes.

Soon after the independence of Pakistan in 1947, it was discovered that there was an acute shortage of Technical Institutes in the country. In view of this the Government constituted "Council of Technical Education for Pakistan" in June 1948. The Council recommended a scheme of Polytechnics, Monotechnics and Technical Institutes with a post-matric three – year Diploma of Associate Engineer (DAE) course in September, 1950.

To accelerate the development of Technical Education, the first Directorate of Technical Education was set up at Lahore in 1958. The Commission on National Education (December, 1950) recognized the importance of Technical Education for economic progress and defined its place in the system of education. By the end of 1962 it became clear that only one Directorate of Technical Education for the whole country of Pakistan is inadequate. Therefore, another Directorate of Technical Education was established at Karachi in February, 1964.

In the Education Policy (1972 – 80) Government of Pakistan decided to introduce Bachelor of Technology B-Tech (Pass) and B-Tech (Hons) degree course with the help and collaboration of Engineering Universities at the Technical Colleges after high demand of Associate Engineers to provide facilities of higher education in order to improve their skill and prospects for promotion. Keeping the international standards of undergraduate courses and to capture international job market Higher Education Commission (HEC) Pakistan recommended to switch from split B.Tech (Pass) and B.Tech (Hon's) program to a B.Tech Four year program in the year 2005 and formulated a committee for development of such curriculum. The curriculum was revised in year 2010 and made mandatory for implementation w-e-f year 2015.

After the constitution of National Technology Council (NTC) Pakistan under the auspices of Higher Education Commission (HEC) Pakistan, the 4-Year B. Tech. program was discontinued from Fall of 2018 and introduced B.Sc Engg. Technology. B.Sc Engg. Tech. was also discontinued in 2023, and started new Bachelor of Engineering Technology Program.

#### 1.2 Bachelor of Engineering Technology Program

The B.E (Tech) Engineering Technology programs have been designed to meet certain defined standards according to international trends. The technology education curriculum is aligned with guidelines of HEC and ensures continual quality improvement culture, in the spirit of Outcome Based Education (OBE) system in conformity with the Sydney Accord.

#### 1.3 Government College of Technology, Larkano

This Institute was established as Govt. Polytechnic Institute Larkano in 1963. The Institute was replaced by Chandka Medical College Larkano in 70s and re-established on 20 Acres land at present location Near Bazigar Pul, Rasheed Waggan Road Larkano in 1988. This college offers Diploma of Associate Engineering in Civil, Electrical & Mechanical Technologies.

The Institute was upgraded as Govt. College of Technology Larkano in 2011 for offering Bachelor Program. Five Batches of 4-year B-Tech: have successfully graduated from this college with affiliation of Quaid-e-Awam University of Engineering, Science and Technology (QUEST) Nawabshah.

The College has also started B.Sc Engineering Technology Program affiliated with QUEST Nawabshah and accredited by National Technology Council (NTC) Islamabad in 2021.

#### 1.4 College Building and Facilities

The College building is located on the Rasheed Waggan Road near Bazigar Pul spreading over 20 acres of land. The college building consists of three main blocks.

- a) The main block (Administration block, Library, Computer Labs. Interactive class)
- b) The academic block (Auditorium, Classrooms, Drawing halls and Laboratories of Civil, Electrical and Mechanical Department).
- c) The multipurpose sports ground, canteen, masjid.
  - **1.4.1 Workshops & Laboratories:** The College has sufficient number of spacious workshops and laboratories adequately equipped with necessary machinery and instruments to provide an excellent opportunity for training of students according to the detailed curriculum in each engineering technology.
  - **1.4.2 Library:** The college library has more than 3000 books of technical and other subjects. The collection of books is updated from time to time to cater to the needs of students. It also subscribes technical journals, magazines and daily newspapers. The library is frequently used by the students and teachers. The digital library is also available in addition to the traditional.
  - **1.4.3** Transport: A bus and coaster are available for providing transport facility to the students.
  - **1.4.4 Interactive Classroom:** An interactive classroom furnished with state-of-the-art interactive board and audio video systems have been established to facilitate students.
  - **1.4.5 Power backups:** The college is equipped with more than 100 KVA power backups in addition to the National Grid to meet the college power requirements during the grid shutdowns. This contains 20+ KVA Solar and three generators totalling 79.5 KVA.
  - **1.4.6 Smart Tech Computer Lab:** Fully equipped in order to facilitate the students of Diploma of Associate Engineer (DAE) and Bachelor of Technology (B.Sc) and (B.E Technology).
  - **1.4.7 Masjid:** A Masjid is available within college premises beside parking area to facilitate the staff and students of college to offer prayers during college hours.
  - **1.4.8 Drinking Water:** R.O plant with chiller is available in centre of the college for safe drinking water.









# 2. COLLEGE ADMINISTRATIVE OFFICERS

Sr. No.	Name	Designation
1.	Dr. Muhammad Saleh Shah B.E, M.E, Ph.D	Principal
2.	Mr. Abdul Haleem Bapar B.Sc, M.A	Vice Principal (B.E. Tech.)
3.	Engr. Shah Muhammad Bosan B.Tech	Chairman (Department of Civil Engineering Technology)
4.	Mr. Rasheed Ahmed Soomro M.Sc	Chairman (Department of Basic Sciences & Related Studies)
5.	Engr. Azhar Mustafa Laghari B.E, M.S	Registrar (B.E. Tech)
6.	Mr. Sikander Ali Qureshi	Admin Officer
7.	Engr. Tariq Ali Abro	Manager (CC&PC)

#### 3. DEPARTMENT OF CIVIL ENGINEERING TECHNOLOGY

#### **Brief Introduction**

The Department of Civil Engineering Technology offers four (04) years Bachelor of Engineering Technology program. The program is primarily designed in such a way that it deals with essential advances in engineering technology education according to cutting-edge requirements of the field.

The Bachelor of Engineering Technology (Civil) program comprises of eight (08) semesters. During first seven (07) semesters, the students acquire necessary coursework for the completion of degree program. Whereas, the 8<sup>th</sup> Semester leads to the supervised industrial training, which enhances the technical skills of students in the field.

After successful completion of degree program, the graduates of CET will be able to serve in the sectors such as; construction, concrete industries, buildings, structures, highways, railways, airports, irrigation and hydraulics structure, water supply and wastewater disposal, construction management. Moreover, the department is committed to produce technologists for the mega projects in the country like China Pakistan Economic Corridor (CPEC).

Being the oldest and most wide-ranging discipline in the world, the department of Civil Engineering Technology is one of the leading department of this College. All the classrooms and laboratories of the department are well ventilated, electrified, and equipped with latest essentials required for the

study. The department is also privileged to have the services of well experienced and highly qualified faculty members.

Civil Technology deals with the process of directing and controlling natural resources for the use & benefit of mankind through construction of various structures. It applies practices to the construction, operation & maintenance of structures, such as Buildings, Roads, Bridges, Railways, Dams, Airports, Irrigation schemes, Docks & Harbours, Water supply and Sewerage disposal etc.



The Civil Technology department offers many courses relevant to the vast field of Civil including Surveying, Soil Mechanics, Concrete technology, Hydraulics, Irrigation system, Public Health engineering and other related subjects.



#### **VISION**

To be recognized globally as a centre of excellence, which offers high quality education, technological knowledge and outreach activities with innovation and creativity in the field of Civil Engineering Technology.

#### **MISSION**

The mission of department is to provide quality education & training to produce highly skilled professional in the field of Civil Engineering Technology for significant contribution in the socioeconomic development locally and globally.

3.4 Faculty of Civil Engineering Technology Department

Tueuty of Civil Engineering Teenhology Department					
Sr. No.	Name	Designation			
1.	Dr. Muhammad Saleh Shah B.E, M.E, Ph.D	Associate Professor			
2.	Engr. Shah Muhammad Bosan B-Tech.(Hon's)	Assistant Professor			
3.	Engr. Abdul Aziz Chachar B.E, M.E	Assistant professor			
4.	Engr. Azhar Mustafa Laghari B.E. M.S	Lecturer			
5.	Engr. Khalid Mustafa Laghari B.E	Lecturer			
6.	Engr. Gul Muhammad Soomro B.E	Lecturer			
7.	Engr. Muhammad Baqar Bhurgri B.E	Lecturer			
8.	Engr. Babar Ali B.E	Lecturer			

# 3.3 Program Educational Objectives (PEOs)

The Program Educational Objectives of Bachelor of Civil Engineering Technology Program ensure that after '4 – Year's of graduation the professionals should have:

- **PEO 1:** A thorough grip on use of best practices related to Civil Engineering Technology in construction, operation and management of various organizations.
- **PEO 2:** Expertise to play significant role in sustainable development of society at national and global levels.
- **PEO 3:** Passion for professional advancement and innovation through lifelong learning.

# PROGRAM LEARNING OUTCOMES (PLOs) FOR BACHELOR OF ENGINEERING TECHNOLOGY PROGRAMS

#### Introduction

The twelve graduate attributes provided by the NTC as per Program Accreditation Policy and Procedures Manual (May 2017) have been adopted as the PLOs for its Bachelor of Science (BSc Engg. Tech) in Engineering Technology Programs in Govt. College of Technology, Larkano. It is ensured that these PLOs are achieved by respective CLOs of Engineering Technology curriculum as assessed through both direct and indirect methods.

#### **List of PLOs**

The twelve PLOs for undergraduate Bachelor of Engineering Technology Programs are:

1. **Engineering Technology Knowledge (SA1):** An ability to apply knowledge of Mathematics, Natural Science, Engineering Technology fundamentals and Engineering Technology specialization to defined and applied Engineering Technology procedures, processes, systems or methodologies.

- 2. **Problem Analysis (SA2):** An ability to Identify, formulate, research literature and analyze broadly-defined Engineering Technology problems reaching substantiated conclusions using analytical tools appropriate to the discipline or area of specialization.
- 3. **Design/Development of Solutions (SA3):** An ability to design solutions for broadly- defined Engineering Technology problems and contribute to the design of systems, components or processes to meet specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations.
- 4. **Investigation (SA4):** An ability to conduct investigations of broadly-defined problems; locate, search and select relevant data from codes, data bases and literature, design and conduct experiments to provide valid conclusions.
- 5. **Modern Tool Usage (SA5):** An ability to Select and apply appropriate techniques, resources, and modern technology and IT tools, including prediction and modeling, to broadly-defined Engineering Technology problems, with an understanding of the limitations.
- 6. **The Engineering Technologist and Society (SA6):** An ability to demonstrate understanding of the societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to Engineering Technology practice and solutions to broadly defined Engineering Technology problems.
- 7. **Environment and Sustainability (SA7):** An ability to understand and evaluate the sustainability and impact of Engineering Technology work in the solution of broadly defined Engineering Technology problems in societal and environmental contexts.
- 8. **Ethics (SA8):** Understand and commit to professional ethics and responsibilities and norms of Engineering Technology practice
- 9. **Individual and Team Work (SA9):** An ability to Function effectively as an individual, and as a member or leader in diverse teams.
- 10. **Communication (SA10):** An ability to communicate effectively on broadly defined Engineering Technology activities with the Engineering Technologist community and with society at large, by being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- 11. **Project Management (SA11):** An ability to demonstrate knowledge and understanding of Engineering Technology management principles and apply these to one's own work, as a member or leader in a team and to manage projects in multidisciplinary environments.
- 12. **Lifelong Learning (SA12):** An ability to recognize the need for, and have the ability to engage in independent and life-long learning in specialist Engineering Technologies.





# **SEMESTER-I**

Course Codes	Course Title	Knowledge Area/Domain	Credit Hrs. (Th+Lb)	Weekly Contact Hrs. (Th+Lb)
HUM-111	Islamic Studies / Social Ethics	Art & Humanities	2+0	2+0
HUM-112	Functional English	Art & Humanities	3+0	3+0
HUM-113	Pakistan Studies	Art & Humanities	2+0	2+0
GE-115	General Mathematics	Deficiency Course for H.Sc Pre-Medical Students Only (Non-Credit)	3+0	3+0
CET-111	Materials and Methods of Construction	Civil Engineering Technology Foundation	3+1	3+3
CET-112	Surveying	Civil Engineering Technology Foundation	2+2	2+6
		Subtotal	12+03 = <b>15</b>	12+09 = <b>21</b>

# **SEMESTER-II**

Course Codes	Course Title	Knowledge Area/Domain	Credit Hrs. (Th+Lb)	Weekly Contact Hrs. (Th+Lb)
COM-121	Introduction to Computer Programing	Computing	1+2	1+6
HUM-121	Communication Skills	Art & Humanities	3+0	3+0
NSC-122	Applied Mathematics-I	Natural Sciences	3+0	3+0
NSC-123	Applied Physics	Natural Sciences	2+1	2+3
CET-121	Concrete Technology	Civil Engineering Technology Foundation	2+1	2+3
CET-122	Evolution of Architecture and Engineering	Civil Engineering Technology Foundation	2+0	2+0
Subtotal			13+04 = 17	13+12 = 25

SEMESTER-III				
Course Codes	Course Title	Knowledge Area/Domain	Credit Hrs. (Th+Lb)	Weekly Contact Hrs. (Th+Lb)
HUM-211	Professional Ethics	Art & Humanities	2+0	2+0
NSC-212	Applied Mathematics-II	Natural Sciences	3+0	3+0
CET-211	Environmental Technology	Civil Engineering Technology Foundation	1+1	1+3
CET-212	Fluid Mechanics	Civil Engineering Technology Foundation	2+1	2+3
CET-213	Mechanics of Solids	Civil Engineering Technology Foundation	2+1	2+3
CET-214	Civil Engineering Drawing, Drafting and Interpretation	Civil Engineering Technology Foundation	1+2	1+6
<b>Subtotal</b> 11+05 = <b>16</b> 11+15 = <b>26</b>				

# SEMESTER-IV

Course Codes	Course Title	Knowledge Area/Domain	Credit Hrs. (Th+Lb)	Weekly Contact Hrs. (Th+Lb)	
CET-221	Transportation and Highway Engineering.	Civil Engineering Technology Breadth	2+1	2+3	
HUM-221	Human Skills	Art & Humanities	2+0	2+0	
CET-222	Soil Mechanics	Civil Engineering Technology Foundation	1+2	1+6	
CET-223	Structural Principles	Civil Engineering Technology Breadth	2+0	2+0	
HUM-222	Technical & Scientific Writing	Art & Humanities	3+0	3+0	
NSC-221	Fundamentals of Applied Economics	Natural Sciences	3+0	3+0	
	<b>Subtotal</b> 13+03 = <b>16</b> 13+09 = <b>22</b>				

SEMESTER-V				
Course Codes	Course Title	Knowledge Area/Domain	Credit Hrs. (Th+Lb)	Weekly Contact Hrs. (Th+Lb)
CET-311	Hydrology	Civil Engineering Technology Depth	1+1	1+3
CET-312	Reinforced and Pre-stressed Concrete	Civil Engineering Technology Depth	2+1	2+3
CET-313	Construction Equipment and Jobsite Practices	Civil Engineering Technology Breadth	2+1	2+3
CET-314	Computer Aided Drawing and Building Information Modelling	Civil Engineering Technology Depth	1+2	1+6
CET-315	Geotechnical Site Investigation and Foundations	Civil Engineering Technology Depth	1+1	1+3
CET-316	Electro- Mechanical Technology	Civil Engineering Technology Breadth	2+0	2+0
	1 00	Subtotal	09+06 <b>= 15</b>	09+18 = 27
		SEMESTER-VI		
CET-321	Irrigation Technology	Civil Engineering Technology Depth	3+0	3+0
CET-322	Construction of Steel Structures	Civil Engineering Technology Depth	2+1	2+3
CET-323	Quantity Surveying and Estimation	Civil Engineering Technology Depth	1+2	1+6
CET-324	Maintenance and Repair of Civil Works	Civil Engineering Technology Breadth	1+1	1+3
MGM-321	Technopreneursh ip	Management Science	2+0	2+0
CET-325	Project Part-I	Civil Engineering Technology Depth	0+3	0+9
		Subtotal	09+07 <b>=16</b>	09+21 <b>=30</b>

SEMESTER-VII					
CET-411	GIS and Remote Sensing	Civil Engineering Technology Breadth	2+1	2+3	
CET-412	Ground Improvement Techniques	Civil Engineering Technology Depth	2+1	2+3	
CET-413	Construction Project Administration	Civil Engineering Technology Breadth	2+1	2+3	
CET-414	Water Supply Systems	Civil Engineering Technology Depth	2+1	2+3	
CET-415	Project Part -II	Civil Engineering Technology Depth	0+3	0+9	
		Subtotal	08+07=15	08+21 = <b>29</b>	
	SEMESTER-VIII				
CET-421	Supervised Industrial Training	Civil Engineering Technology Domain Industrial Training	0+16	0+40	
	<u> </u>	Subtotal	00+16 <b>= 16</b>	00+40= <b>40</b>	
<b>Total Credit Hours &amp; Contact Hours</b> 75+51 = 126 75+145 = <b>220</b>					

#### 4. DEPARTMENT OF BASIC SCIENCES AND RELATED STUDIES

With the emerging market demands, the Bachelor of Engineering Technology departments are crucially complemented by the vital education of Basic Sciences & Related Studies. These include Pakistan Studies, Islamiat, Mathematics, Physics, Chemistry, Computer Science, Management Science and English. The courses are customized to align the departments with the Basic Sciences & Related Studies.

The Department of Basic Sciences & Related Studies is currently equipped with the following state-of-the-art labs:

- 1. Advance Computer Lab
- 2. Physics Lab
- 3. Chemistry Lab
- 4. Basic Computer Lab

Sr. No.	Name	Designation
01.	Mr. Rasheed Ahmed Soomro M.Sc	Associate Professor
02.	Mr. Abdul Haleem Bapar B.Sc, M.A	Associate Professor
03.	Mr. Hamadullah Bhutto M.A, M.Com	Assistant Professor
04.	Mr. Abdul Ghaffar Junejo B.Sc	Lecturer
05.	Mr. Abdul Sattar Larik B.Sc	Lecturer
06.	Mr. Irfan Ahmed Morio M.Com	Lecturer
07.	Mr. Ghulam Murtaza Hulio M.A	Lecture

# **5** Quality Enhancement Cell (QEC)

The Quality Enhancement Cell (QEC) at this college has been established in accordance with the Quality Assurance (QA) framework of the Higher Education Commission (HEC) of Pakistan. The QEC is entrusted with the responsibility of maintaining and enhancing the quality of education and research. In pursuit of this objective, the QEC carries out the following functions aimed at promoting excellence and fostering continuous improvement:

- I. QEC is responsible for reviewing and enhancing the quality standards.
- II. QEC shall ensure and review the Self-Assessment Reports (SARs) prepared by department.
- III. QEC has mandated to review quality standards by auditing academic standards.
- IV. QEC will be responsible to develop quality assurance processes and methods of evaluation to affirm that the quality of provision and the standard of awards are being maintained and to foster curriculum, subject and staff development.
- V. Last but not the least, the QEC shall be responsible to conduct Institutional audit, Departmental review, Student and employer feedback, and overall quality improvements in institutional management/leadership.

#### **Career Counselling & Placement Centre (CC&PC):**

The CC&PC focuses on range of services to facilitate in the overall process of self- evaluation, creating awareness about career opportunities, assisting in career profiling and job search, internships placement, increasing the employability, developing strong linkages with industry, financial aids, marketing and outreach, and supporting graduates and alumni in their career progression.

# 6. Sports / Co. Curricular Committee

This college provides excellent sports facilities to its students because it is believed that a healthy mind requires healthy body.

The following sports facilities are available at college:

- i. Cricket
- ii. Badminton
- iii. Athletics
- iv. Volley Ball











# 7. ADMISSION RULES & REGULATIONS (POLICY GUIDE LINES)

#### **ELIGIBILITY CRITERIA**

For admission to the Bachelor of Engineering Technology Programme, the candidates must fulfil one of the following requirements with a minimum of 50% Marks:

- i. Three years Diploma of Associate Engineer in the relevant field from Sindh Board of Technical Education, Karachi / other Technical Boards
- ii. H.S.C.(Pre-Engineering) or equivalent from the Boards of Intermediate Education. And the candidate has to appear in Pre-Admission Test Conducted by the University / College.

#### 7.1 APPLICATION FORM FOR ADMISSION

Admission form will be submitted at college.

#### Documents required for admission in Bachelor of Engineering Technology

- i. CNIC
- ii. Marks Certificate of SSC (Matriculation).
- iii. Marks Certificate of DAE/HSC Part-II (Pre-Engineering).
- iv. Domicile certificate of candidate.
- v. PRC form "C" of candidate.
- vi. National identity card/B-form (as applicable).
- vii. Undertaking on judicial stamp paper Rs.100/= as per specimen (Page # 26).
- viii. Medical certificate on given proforma.

#### 8. DISTRIBUTION OF SEATS

8.1 Category-wise Distribution of Seats

Sr. No.	Category	Percentage % of Total Seats	Total No. of Seats
01	<b>Open Merit</b> (Larkano / Sukkur Divisions)	60% of 40 Seats	24 Seats
02	All Sindh Basis (Other Districts of Sindh except Larkano / Sukkur Divisions)	20% of 40 Seats	08 Seats
03	Reserved Seats		
3.1	Real Sons/Daughters/Brothers/ Sisters of STEVTA Employees. (Civil/Public Servants/Retired/Deceased)	5% of 40 Seats	02 Seats
3.2	In-service Staff Members of Technical Education	5% of 40 Seats	02 Seats
3.3	Reciprocal Basis	2.5% of 40 Seats	01 Seat

3.4	Sons/Daughters of the Defence/ Armed Forces Personnel	2.5% of 40 Seats	01 Seat
3.5	Extracurricular Activities	2.5% of 40 Seats	01 Seat
3.6	Transgender (She-male) / Disable Persons	2.5% of 40 Seats	01 Seat
	Regular Seats 40		40 Seats
	Self-finance Seats 05	Grand Total	45 Seats

#### 8.2 Self-finance Scheme

Five (5) seats of each Engineering Technology Program have been reserved for all the candidates under Self-Finance Scheme.

#### 8.3 Policy for Award of Seats

- i. The left-over seats reserved for the category of the Open Merit would be awarded to the candidates of the All Sindh category and vice versa.
- ii. The left-over seats reserved for the categories of Self Finance and Reserved Seats would be awarded to the candidates of Open Merit category in the first priority and to the candidates of All Sindh category in the second priority.

#### **8.4.** Admission against the reserved seats:

Real sons/daughters/brothers/sisters of regular employees of Sindh-Tevta shall be considered for admission to against the reserved seats on the following criteria,

a. First preference will be given to real sons/daughters of employees who are confirmed in the Sindh-Tevta and have at least three years' continuous service.

#### **ARMED FORCES**

Candidates seeking admission on seats reserved for Armed forces should apply through G.H.Q,N.H.Q and A.H.Q. Direct applications shall not be entertained.

#### **RECIPROCAL**

The candidates from the other provinces, seeking admission on reciprocal basis should send their applications through their provincial authority. Direct applications shall not be entertained.

#### STAFF OF THE COLLEGE

The staff of the college will be allowed admission in Bachelor of Engineering Technology program against reserved quota on the submission of NOC and study leave from the authority

#### **Pre-admission Test**

All the eligible candidates are required to appear in the admission Test to be organized by the University/College

a. Candidates applying against the reserved quota shall also have to appear in the Pre-Admission Test.

#### 9. MERIT CRITERIA FOR ADMISSION

50% Marks secured in Pre-Admission Test

50% Marks of final Degree of the candidate

# 9.1 DEDUCTION OF MARKS DUE TO GAP IN ENTRY QUALIFICATION SESSION 2024-25

In case of a gap or repetition of Intermediate / DAE examinations, the merit will be determined as described below:

- ii. Students passed Intermediate /DAE in 2023 = (1 % of the aggregate marks will be deducted)
- iii. Students passed Intermediate /DAE in 2022 = (2 % of the aggregate marks will be deducted)
- iv. Students passed Intermediate /DAE in 2021 and before = (3 % of the aggregate marks will be deducted)

#### 9.2 VERIFICATION OF ORIGINAL DOCUMENTS

After entrance test results all the successful candidates shall have to produce original documents before the admission interview committee. List of documents to be verified at the time of the interview.

#### 9.3 ADDITIONAL MARKS FOR HAFIZ-E-QURAN

The candidate who has certificate of Hafiz-e-Quran issued by the MADARSA (Registered) are also considered to have additional 1% in aggregate result.

#### 9.4 MEDICAL FITNESS

The final selection of the candidates shall be made subject to the medical fitness Certificate of the Medical Officer (RMP).

#### 9.5 Rectification of Mistakes

The admission merit lists announced by the college are provisional and if any mistake is detected, it is rectified accordingly.

# 9.6 Admission of Candidates Who Fail to Deposit the Admission Fees on the Interview Day

If any of the candidates fails to deposit admission fees on the day of interview, his/her seat will be allotted to the following candidate on the merit list.

#### 9.7 Closing of Admissions

The admission for session will be closed at the end of 04th week from the date of commencement of classes. After this period the vacant seats will not be filled at any stage.

#### 9.8 N.O.C. & STUDY LEAVE FOR IN-SERVICE CANDIDATES

The Candidates who are already in service at the time of submission of admission form should attach **NO OBJECTION CERTIFICATES** from their employers for their admission. After selection their first year classes, they are required to submit study leave order and relieve order

from their employers for study purpose at the college because B.E (Tech) in Civil Engineering Technology Program is regular full time and morning program no student admitted in the college is allowed to engages him/her in any employment during his/her studies.

#### 9.9 Re-Admission Policy

Those students who are eligible for any semester of any year and remained absent from their classes and examinations for any reason, are considered for re-admission in the appropriate semester where they left their studies with the appropriate batch subject to application of other relevant rules by the Re-admission Committee, provided that their absence is not more than two calendar years. However, their attendance to determine their eligibility to appear in the semester examination is considered from the date of issuance of re-admission order. Such admissions may be made within four weeks from the date of start of classes of particular session.

#### 9.10 FINAL AUTHORITY REGARDING ADMISSION

The decision of admission committee of this college is final and not challengeable.

#### 9.11 DISQUALIFICATION

Any attempt to influence directly/indirectly for admission shall render the candidate disqualified. The admission form is liable to be rejected if any entry is found incomplete/incorrect/misleading. The alteration or erasing should not be allowed in the form.

#### 9.12 Enrolment Card

Each student is required to enrol himself/herself in the University/Institute after the finalization of the discipline in the First Semester of First Year and obtain enrolment card accordingly. In case of failure, he/she is not allowed to appear in the examination of the First Semester of the First Year.

#### 9.13 Admission and Tuition Fee

The Admission Fee is non-adjustable and non-transferable.



# 10. ADMISSION FORM, PROSPECTUS & PRE ENTRY TEST FEE:

Rs.3700/= Rupees Three Thousand Seven Hundred only (to be deposited into Bank Account)

#### Schedule of fees payable at the time of admission

1. Regular Scheme

S	Head of	Semester wise Schedule							
#	Account	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	5 <sup>th</sup>	6 <sup>th</sup>	7th	8 <sup>th</sup>
01	Admission fee	500							
02	Tuition fee	500	500	500	500	500	500	500	500
03	Training Charges	18,000	18,000	18,000	18,000	18,000	18,000	18,000	18,000
04	Security Deposit (refundable)	1,000							
05	Visit/Industrial Tour fee	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500
06	Library fee	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
07	Gymkhana / Sports fee	500	500	500	500	500	500	500	500
08	First Aid fee	500	500	500	500	500	500	500	500
09	Courier service charges	500	500	500	500	500	500	500	500
	TOTAL	24,000	22,500	22,500	22,500	22,500	22,500	22,500	22,500

Note: Transport fee Rs. 1000/- per semester will be applicable for students availing transport facility

## 2. Fee for Self Help Basis Scheme

(**Rs. 20,000**/= per semester+ Regular college fee as mentioned above).

# 3. Registration fee for summer classes (Applicable to Failure Students)

Registration fee per subject	Theory 03 Credit Hours	Rs. 3,000/-
	Theory 03 Credit Hours	Rs. 1,500/-
	Theory 01 Credit Hour	Ks. 1,500/-
	Practical	Rs. 1,800/-

# 4. Structure of program:

Degree Programs		
4 Years Duration		
Total No. of Credit Hours (Minimum)	130 Credit Hours	
Total No. of Credit Hours (Maximum)	140 Credit Hours	

Semester Duration	16 weeks of teaching excluding examinations
Course Duration	Minimum of 8 semesters Maximum time limit of 6 years, further extendable for one year with the approval of Statutory Bodies
Course Load per Semester for Regular Full -Time Students	15-18 Credit Hours (In special cases 15 –19 Credit Hours)

#### 5. Credit hours for undergraduate degrees

- 5.1A credit hour means teaching/learning a theory course for one hour each week throughout the semester.
- 5.2One credit hour in laboratory or practical work/project would require lab contact of three hours per week throughout the semester.
- 5.3 The credit hours are denoted by two digits within brackets with a plus in between. The first digit represents the theory part while the second (right side) digit represents the practical. Below Table
- 5.4 gives the possible distribution of Theory and Practical Credit hours.

#### 6. Distribution of Theory and Practical Credit Hours

Credit Hours	Distribution in Theory and Practical Hours
01	(0+1)
02	(2+0) / (0+2)
03	(3+0) / (2+1) / (0+3)
04	(3+1)

#### 7. Course layout for undergraduate students

- 7.1 4-year B.E (Tech) degree program is composed of 130-140 Credit Hours in which 130 represents the minimum and 140 represents the maximum credit hours required to be completed.
- 7.2 Project/Thesis: Every student should write a thesis project report in the third year (6<sup>th</sup> & summer semesters) of 06 credit hours in a group comprising of maximum 05 students, on approved research proposal.
- 7.3 Internship: Students should undergo supervised industrial training/internship in industry/research/business organization.

#### 8. Academic Year

There will be two regular semesters in an academic year. Following is the breakup:

Sr. No.	Description	Duration
1.	Teaching duration of 1 <sup>st</sup> semester	16 Weeks
2.	Preparation and conduct of mid/ final 1st Semester Exam	05 Weeks

3.	Teaching duration of 2nd Semester.	16 Weeks
4.	Preparation & conduct of mid/ final 2nd Semester Exam	05 Weeks
5.	Summer Break	08 Weeks
6.	Winter Break	02 Weeks
	<b>Total Duration of Semesters</b>	52 Weeks

# Minimum Number of Contact Hours for a Theory and Practical Subject

Sr. No.	Theory / Practical	Credit Hours	Contact Hours
1	Theory	1	14
2	Theory	2	28
3	Theory	3	42
4	Practical	1	42
5	Practical	2	84
6	Practical	3	126

#### 9. The minimum requirement for each Semester course

- (a) Attendance
- (b) Assignments
- (c) Tests (minimum two)
- (d) Mid Semester Examination
- (e) Final Semester Examination

The Schedule of Tests, Mid Semester & Final Semester Examination shall be as under:

Sr. No.	Activity	Period
1.	Mid Semester Examination	After 8-weeks
2.	Final Semester Examination	After 16-weeks

#### 10. **Distribution of Marks**

The distribution of marks for each theory and practical course in a Semester will be as follows:

	THEORY				
	Degarintien	Maximum	Minimum		
	Description	100 Marks	50 Marks		
i.	Attendance	10	05		
ii.	Test(s)	05	03		
iii.	Assignments	05	02		
iv.	Mid Semester Exam	20	10		
v.	Final Semester Exam	60	30		
	Total	100 Marks	50 Marks		

	PRACTICAL		
David dia		Maximum	Minimum
	Description	100 Marks	50 Marks
i.	Attendance	10	05
ii.	Lab Evaluation Work	30	15
(a)	<b>Objective Type Test</b>	30	15
<b>(b)</b>	Conduct of Practical / Viva Voce	30	15
Totals		100 Marks	50 Marks

**Note:** For the courses carrying other than 100 & 50 marks the distribution of marks will be accordingly.

#### 11. Grade Equivalent

		MARKS			
Grade	Grade	THEORY		PRACTICAL	
Graue	Point	Max. Marks 100	Min. Marks 50	Max. Marks 100	Min. Marks 50
A+	4.0	85 & above	42 & above	85 & above	42 & above
A	3.75	75 to 84	37 to 41	75 to 84	37 to 41
B+	3.5	66 to 74	33 to 36	66 to 74	33 to 36
В	3.0	60 to 65	30 to 32	60 to 65	30 to 32
C+	2.5	55 to 59	27 to 29	55 to 59	27 to 29
С	2.0	50 to 54	25 to 26	50 to 54	25 to 26
F	0.0	0 to 49 (fail)	0 to 24 (fail)	0 to 49 (fail)	0 to 24 (fail)

- Fraction is to be considered as a whole number.
- Subjects carrying more than 100 marks in Theory/Practical will be awarded grades accordingly.
- The results will be prepared on the basis of Grade Point Average (GPA).

# Computation of semester grade point average (GPA) and cumulative grade point average (CGPA)

#### **GPA**

This is a figure ranging preferably from 0.00 to 4.00 be used to indicate the performance of a student in the semester concerned. A standard scale of 0.00 to 4.00 is adopted.

Semester Grade Point Average (GPA) and Cumulative Grade Point Averages (CGPAs) will be calculated suing the following relationship:

Sum of all courses taken in all semesters (Course Credit Hours x Grade Point Earned)

CGPA =

#### Total Credit Hours taken in all Semesters

## 12. Attendance Requirement

- (i) A student should have at least 75% attendance to appear in final semester examination.
- (ii) In genuine cases, maximum 10% condemnation in attendance shall be the discretionary powers of the Dean Faculty of Technology on the basis of an application to be scrutinized by Principal of the college concerned.
- (iii) The eligibility attendance of theory / practical for late admitted students to first semester of first year only shall be calculated from the date of admission.

#### 13. Distribution of Attendance Marks

Distributions of attendance marks will be as given in the following tables:

A. For Theory Head of 3 Credit Hours, i.e., 100 Marks			
Sr. No.	Lecture Hours attended	Marks to be awarded	
1	41 to 42	10	
2	37 to 40	09	
3	33 to 36	08	
4	31 to 32	07	
5	Below 31	00	

B. For Theory Head of 2 Credit Hours, i.e., 50 Marks			
Sr. No.	Lecture Hours attended	Marks to be awarded	
1	27 to 28	05	
2	24 to 26	04	
3	21 to 23	03	
4	Below 21	00	

**14.** 

C. For Practical Head of 2 Credit Hours, i.e., 100 Marks			
Sr. No.	Lecture Hours attended	Marks to be awarded	
1	95% to 100%	10	
2	86% to 94%	09	
3	81% to 85%	08	
4	75% to 80%	07	
5	Below 75%	00	

D. For Practical Head of 1 Credit Hour, i.e., 50 Marks			
Sr. No.	Lecture Hours attended	Marks to be awarded	
1	90% to 100%	05	
2	80% to 89%	04	
3	75% to 79%	03	
4	Below 75%	00	

The Labs carrying marks other than 50/100 the distribution of attendance marks will be accordingly.

#### 15. Conduct of Sessional Work/Mid-Semester and Final Semester Examinations

- i. 10/5 marks of assignment for subjects carrying 100/50 marks shall be awarded by the teacher concerned after conducting 3/2 class tests (MCQs type) and 2/1 best of 3/2 class tests shall be counted toward award of 10/5 marks. The entire record of evaluated class tests shall be submitted by the concerned subject teacher to Examinations Department at the time of submission of final results.
- ii. At the end of each semester, the marks of attendance, sessional work, and lab work secured by the student in Theory and Practical of the concerned subject shall be announced by the concerned subject teacher by displaying on the Notice Board.
- iii. Mid Semester Examination will be conducted by the Examination Department in collaboration with the concerned Department of the College.
- iv. The mid-semester examination will be conducted only for theoretical subjects.
- v. The time duration for mid semester examination will be 1 hour for 3 CHs course and each question paper will contain 3 questions with a choice to attempt any two, whereas the time duration for 2 CHs course examination will be 45 minutes and the question paper will contain 3 questions with a choice to attempt any two.
- vi. The marks of the mid semester examination question paper of 3 CHs will be 20, and for the 2 CHs course will be 10.
- vii. No MCQ's, fill-in the blanks or objective type questions will be given in mid semester examination. The questions shall be descriptive.
- viii. The scripts of all assignments will be returned and those of the tests and mid-semester examination will be shown to the students after evaluation. Each blank page / gaps in the scripts will be stamped/ lines drawn, by the teacher concerned.
- ix. The marks of each test and mid-semester examination will be displayed and solutions will be discussed in the class room immediately after evaluation. If any student is not satisfied with the evaluation, he/she may convey this to the Principal/Director of the concerned College / Institute within 7 days of the result thus displayed and the matter will then be looked into by the Departmental Committee, whose decision will be final. Any such objections after the expiry of 7 days will not be accepted. A copy of the Marks of the tests and mid-semester will be deposited by the teacher in the department office immediately after the announcement of the results.
- x. Final Semester Examination will be of 3-hours duration for 3 CHs course and each question paper will contain 5 questions without any choice. Similarly, Final Semester Examination will be of 2-hours duration for 2 CHs course and each question paper will contain 3 questions without any choice. Final semester examination will be conducted from the whole course.
- xi. The teachers will prepare 3 copies of the result of each course separately at the end of each semester (attendance, test, mid semester examination. Assignments and final

- semester examination) on the prescribed form and shall forward two copies to the Controller of Examinations of the University.
- xii. The cumulative result (including all the marks of attendance, assignments, tests, midsemester examination and final semester examination) of each semester of a year will be announced by the Controller of Examinations of the University.

#### 16. Promotion Rules

i. A student will be promoted to the next Semester when he/she appeared in final examination of at least one subject of the existing semester.

## 17. CGPA required for the Completion of Degree

21.1 For completion of the degree, the minimum qualifying GPA for Bachelor Degree Program is 2.00.

# (To be submitted at the time of admission)

The following affidavit is to be furnished by the candidates for admission on judicial stamp paper of Rs. 100/- at the time of admission:

	11. AFFII	DAVIT	
I,		)	
R/o, _		do hereby	
state	on solemn affirmation that I shall:	•	
a)	•	g admission, conduct of Academic Program, at present or to be approved and implemented in	
b)	Confine my activities to the academic pursuits	during my studies in the college and would not directly or indirectly and shall be liable to be involved in any such activities.	
c)	Never use violence or threat or pressure or any		
d)	Not hold a gathering or meeting or take out processions in any part of the college campus other than the areas specified for the purpose.		
e)	Not indulge in any kind of unfair or unlawful means / malpractice in examination and coercion by any means.		
f)	·	e, consumption of alcoholic products, drugs and	
g)	Not bring or keep any type of weapons within		
h)	Not damage any college property, including building, equipment, vehicles etc. in any manner.		
i)	In case of violation of any of the undertaking	as herein above given by me I shall not only be s but shall also be liable for criminal prosecution	
Place	2• 	Date:	
	nature of the Applicant / Candidate IC NO.	Signature of the Parent / Guardian CNIC NO.	
(Ple:	ase attach photocopy)	(Please attach photocopy)	
(= 23)	F F1),	, , F	
Sign	nature of the Witness I	Signature of the Witness II	
Nan	ne	Nama	

**Attested by Oath Commissioner** 

Name\_

CNIC NO.

(Please attach photocopy)

CNIC NO.

(Please attach photocopy)