**GOVERNMENT COLLEGE OF TECHNOLOGY
S.I.T.E KARACHI**

PROSPECTUS
SESSION 2024-25 (Batch-2024)

BACHELOR OF ENGINEERING TECHNOLOGY PROGRAMME

B.E (TECH) IN CIVIL,ELECTRICAL & MECHANICAL TECHNOLOGIES

REGULAR MORNING PROGRAMS

ACCREDITED BY NATIONAL TECHNOLOGY COUNCIL ISLAMABAD

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

DISCLAIMER

The information in this prospectus is correct at the time of publishing. The College reserves the right to add or remove courses and to make changes in Syllabi, Courses options and Modules, Fees structure etc. at any stage without notice.

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.

ENGR. GHULAM RASOOL MAKA.

Principal

GCT SITE KARACHI.

I am delighted to welcome you to the Government College of Technology, S.I.T.E., Karachi. For the past 70 years, we have been a cornerstone of technical education in the province, producing generations of skilled Associate Engineers and Graduates in Civil, Electrical, and Mechanical Technology disciplines. Our alumni serve as the backbone of Pakistan's technical workforce and contribute to socio-economic development both locally and globally.

Over the past four decades, we have proudly produced thousands of graduates with B.Tech (Pass) and B.Tech (Hons) degrees under the affiliation of NED University of Engineering and Technology, Karachi. Building on this legacy, we are excited to announce a significant milestone: the launch of the Bachelor of Engineering Technology program in Civil, Electrical, and Mechanical Engineering Technology, affiliated with The Benazir Bhutto Shaheed University of Technology and Skill Development, Khairpur Mir's. This program addresses skill gaps in the workforce and equips students with industry-aligned knowledge and skills.

We understand the importance of industry relevance. Our strong industry connections ensure that our students are trained according to the latest standards, maximizing their employability and entrepreneurial potential. The college fosters a culture of innovation by providing resources and support for students to achieve professional excellence and explore career opportunities.

As you join the Government College of Technology, S.I.T.E., Karachi, you will become part of a dynamic team. Our dedicated faculty and staff are committed to creating a productive environment that prioritizes both quantitative and qualitative achievements.

I wish you all the best in your academic journey and am confident that you will make significant contributions to shaping the future of our country and excel in your career.

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CONTENTS

VISION

Technical Education for employability and sustainable socio-economic development.

MISSION

To functionalize the institute with STEVTA regulations of institute management, trained faculty and industrial collaboration that ensures to produce entrepreneurial oriented human resources which serve national and international socio-economic environment with high skills and ethical standards.

OBJECTIVES

- To provide demand driven industry specific technical education.

- To assess the training needs in the context of domestic and global market.

- To develop linkages with the industry through IMC, training and assessment for the quality of education.

- To organize opportunities for the continuous training of the faculty and staff of the institutes.

- To organize and conduct seminars and workshops in order to provide the updated knowledge to the trainees in their respective fields.

- 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.

2. INTRODUCTION

2.1 History

Associate Engineers play a crucial role in transforming the designs and ideas of engineers into practical, operational systems. Positioned between engineers and skilled workers, DAEs implement, supervise, and maintain technical tasks, ensuring the smooth functioning of industries. Their hands-on expertise bridges the gap between conceptual planning and execution, making them vital to industrial growth and technological advancement. **Technical institutes** such as Colleges of Technology and Polytechnics are essential in producing these professionals, equipping them with the practical skills needed to drive efficiency, innovation, and economic development in a rapidly evolving, technology-driven world.

Shortly after the creation of Pakistan, it was quickly realized that there was an acute shortage of technical institutes to meet the growing demands of the emerging industrial sector. Recognizing this, the federal government established the **Council of Technical Education** in June 1948 to ensure a consistent supply of skilled technical manpower. The council appointed a committee of technical experts to conduct a nationwide survey to evaluate both the present and future needs of the industry. Based on the committee's findings, a comprehensive plan for establishing polytechnic institutes was developed and approved by the council in 1950. In line with this initiative, the **Karachi Polytechnic Institute** was established in September 1954. This institute became one of the first major steps toward addressing the country's need for technically trained individuals, playing a crucial role in Pakistan's industrial and economic growth.

The college began with a modest start, offering education in three disciplines: **Electrical**, **Mechanical**, and **Radio Electronics**. Over time, its scope expanded, and the college now offers courses in twelve different disciplines, including **Civil**, **Electrical**, **Mechanical**, **Auto & Diesel**, **Power**, **Chemical**, **Textile Spinning**, **Textile Weaving**, **Refrigeration & Air Conditioning**, **Instrumentation & Watch**, **Computer Information Technology (CIT)**, and **Software Engineering**.

With the rapid growth of industrialization and the consequent expansion in the demand for skilled manpower, it became necessary to improve and upgrade the standard of technical education. To meet this challenge, the government introduced **Bachelor of Technology (Pass)** and **Bachelor of Technology (Honors)** degree programs in March 1974 in **Civil**, **Electrical**, and **Mechanical** disciplines. The college was then renamed as the **Government College of Technology**. Since then, it has maintained its position as a leader in higher technical education in Pakistan.

After the constitution of National Technology Council Pakistan under the auspices of Higher Education Commission (HEC) Pakistan, the B. Tech program was discontinued from 2015 and new Bachelor of Engineering Technology (B.E. Tech) program has been introduced. NTC has a mandate to carry out "Accreditation and Certification" of all 4-year programs at bachelor level, leading to engineering technology degrees, spanning over 16 years of academic learning.

Now, in the academic year 2024-25, GCT Karachi is offering **Bachelor of Engineering Technology (B.E. Tech)** 4-year degree program in **Civil, Electrical and Mechanical Technologies** in affiliation with **Benazir Bhutto Shaheed University of Technology & Skill Development (BBSUTSD) Khairpur Mirs.**

2.2 Location and Building

The Government College of Technology is situated on Plot No. F-13, measuring over 103 acres (4,89,520 square meters) of land Sindh Industrial Trading Estate (S.I.T.E), karachi75700. The college is situated in the center of the country's biggest industrial zone viz. Sindh Industrial Trading Estate (S.I.T.E) Karachi and its ideal location makes it convenient for the students to visit and observe working of the industries in the areas related to their field of studies.

The Building Complex of the Government College of Technology consists of serval blocks. The main building consists of Administration Block, Library, Classrooms, and Drawing Halls along with other blocks, Shops and Laboratories of various Disciplines. The Students Cafeteria is adjacent to the Administration Block. A block houses Auditorium. A separate building house B.E.Tech section. Two new blocks have been constructed one for B.E.Tech. Programme and other for Teacher's Training Programme. Besides the above mentioned building, the campus includes a separate Residential Block for the teaching and-non teaching staff.

3.   BACHELOR OF ENGINEERING TECHNOLOGY PROGRAM

The Bachelor of Engineering Technology (B.E. Tech) 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.

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

4.1   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 Engineering Technology (B.E. Tech) Programs in GCT Karachi. It is ensured that these PLOs are achieved by respective CLOs of Engineering Technology curriculum as assessed through both direct and indirect methods.

4.2   List of PLOs
The twelve PLOs for Undergraduate Bachelor of Engineering Technology (B.E. Tech) Program 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 modelling, 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.

5.   ADMINISTRATION AND FACULTY

I.	**Principal**	B. E. (Elect)
	Engr. Ghulam Rasool Maka	M. E. (Elect), P.E
II.	**Vice Principal**.	B.E.(Civil)
	Bachelor of Engineering Technology Program	M.E(Civil), P.E
	Engr. Nadeem Warsi	
III.	**Heads of Departments**.	
	Bachelor of Engineering Technology Program	
	H.O.D, **Civil Technology**	B.E.(Civil),
	Engr. Nadeem Warsi	M.E(Civil), P.E
	H.O.D, **Electrical Technology**	B.E.(Elect)
	Engr. Arshad Hanif	M.E(Elect), P.E

H.O.D, Mechanical Technology
Engr. Abbas Soomro

B.E.(Mech),
M.E(Mech),P.E

H.O.D, Related Studies
Mr. Afaq Muhammad

M.Sc. (Math)

IV. **Faculty of Department of Civil Technology**
Associate Professors
Engr. Nadeem Warsi

B.E (Civil),
M.E (Civil)

Engr. Kamran Rahat

B.E (Civil),
M.E (Civil)

Engr. Hashim Ahmed Siddiqui

B.E (Civil),
M.E (Civil)

Syed Nasir Ali

B.Tech (Civil)

V. **Faculty of Department of Electrical Technology**
Associate Professors
Engr. Ghulam Rasool Maka

B.E.(Elec),
M.E(Elect), P.E

Engr. Arshad Hanif

B.E.(Elect),
M.E(Elect), P.E

Engr. Asim Raza

B.E.(Elect)

Assistant Professor
Mr. Sabir Ali Rao

B. Ed (Tech).

Mr. Hifzur Rehman

B.Tech (Hons)

Lecturer
Mr. Abdul Hafeez

B.Tech

Mr. Faisal Qureshi

B.Tech

VI.	**Faculty of Department of Mechanical Technology**	
	Associate Professors	
	Engr. Abbas Soomro	B.E.(Mech), M.E(Mech),P.E
	Engr. Liaquat Ali Jamro	B.E. (Mech.), M.E (Mech)
	Engr. Nusrat Iqbal	B.E. (Mech), M.E (Mech)
	Assistant Professor	
	Mr. Mustafa Kamal	B.Tech (Hons)
	Lecturer	
	Engr. Abdul Mannan	B.E (Mech)
	Instructor	
	Engr. Faizan Ali	B.E. (Mech)
VII.	**Faculty of Department of Related Studies**	
	Professor	
	Mr. Mandhav Das	M.Sc. (Math)
	Associate Professor	
	Mr. Irshad Solangi	B.Sc., M.A
	Assistant Professor	
	Mr. Afaq Muhammad	M.Sc. (Math)
	Lecturer	
	Mr. Bakshal Khan	B.A
	Jr. Instructor	
	Sayed Waheed Ali Shah	M.A. English (Literature, Linguistic),
VIII.	**Office Staff**	
	Industrial Coordinator	
	Engr. Ahmed Nawaz	B.E.(Industrial Engg)
	Registrar	
	Mr. Saeed Ahmed Raza	B.Tech (Hons)
	Librarian	
	Mr. Altaf Shaikh	B.A
	Accountant	
	Mr. Mushtaq Khan	B.Com

6. ACADEMIC PROGRAMMES

The objective of the academic programmes at Government College of Technology, Karachi is to ensure regular supply of technical personnel to meet the growing demands of trained manpower in the country. In pursuance of the above objective it provides technical education in the following areas.

1.   Three years Diploma of Associate Engineer (Regular Morning Programme)

2.   Three years Diploma of Associate Engineer (Double Shift Evening Programme)

3.   Three years Diploma of Associate Engineer (Self Help Basis Programme)

4.   Bachelor of Engineering Technology, (Regular Morning Programme)

7. ACADEMIC CALENDAR
FOR BACHELOR OF ENGINEERING TECHNOLOGY PROGRAM SESSION 2024-25 (BATCH-2024)

Academic and Examination Schedule Duration of Academic Session (Year)				
Teaching including Mid Semester Examination	16 weeks	**Two semester duration**	$21 \times 2 =$ 42 weeks	* Minimum attendance requirement to be eligible to appear in semester examination is 75%.
		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) is of one contact hour. * Each credit hour (Practical) is of 03 contact hours.
Final Examinations (Conduct)	03 weeks	--------------- ---------------		
Total	21 weeks	**Total**	52 weeks	

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

Sr #	Activities	Proposed Date
01	Commencement of Classes (1st Semester)	27-01-2025
02	Conduct of Mid Term Examination.	20-03-2025
03	Suspension of Classes	22-05-2025
04	Display of Sessional Marks	26-05-2025
05	Conduct of Final Semester Examination	9-06-2025
06	Announcement of Result (Expected)	28-07-2025

9. FACILITIES AVAILABLE FOR STUDENTS

9.1 Workshops and Laboratories

The college has spacious workshops and laboratories, adequately equipped with necessary equipment and instruments to provide an opportunity to students to be trained according to detailed curricula in each field, and further additions are being made from time to time.

9.2 Audio-Visual Equipment

Audio-Visual section of the College is equipped with the necessary facilities, etc.

9.3 Library

The college library has a sufficient number of books on various subjects, besides a number of journals and magazines are available in the library.

9.4 Rental Library

9.4.1 Diploma of Associate Engineer Section:

The Rental Library has more than 11,000 books available in the Diploma of Associate Engineer section library.

9.4.2 Bachelor of Technology Section:

The Rental Library has more than 9000 books available in the B.Tech section library.

9.5 Games and Sports

Necessary facilities for games and sports i.e. Cricket, Football, Hockey, Volleyball, etc. are available.

9.6 Health Services

A dispensary has been established in the College Campus. The services of a qualified Medical Officer with other staff are available.

9.7 Students Identification

Students are required to carry the original Identity Card issued by the College. Students are issued an Identity Card at the time of admission. If this is lost, the student is required to report the matter to the Industrial Coordinator of the College. The duplicate Identity Card is issued on payment of Rs.500 /- and on submission of an affidavit for the loss of the card.

9.8 Fee Concession

Fee concession of Full and half free-ships are available to the Real Sons/Daughters/Brothers and Staff Members working under Directorate of Technical Education/STEVTA Govt. of Sindh for only Regular Morning Programme.

10. DISCIPLINE

Students have to abide strictly by the Rules and Regulations that are enforced in the College. The Principal shall be the final authority in all matters, relating to discipline and the decision of the Principal will be absolutely final and binding on all concerned.

A student is expected to show both within and outside the College respect for elders, morality, personal honor, codes of discipline and rights of others. A student, to remain in good standing must also demonstrate good behavior and co-operation at all stages.

The students will also be subject to the disciplinary rules of BBSUTSD.

The following, among others, shall constitute acts of indiscipline for which action may be taken against the defaulter.

1) Involvement in any political/ethnic/religious activities within College Campus.

2) Creating law and order situation in the College Campus.

3) Threatening/pressurizing Staff Members inside or outside the College Campus.

4) Damaging or destroying College property.

5) Teasing or harassing or molesting of students inside or outside the College Campus.

6) Creating disturbances within the College Campus.

7) Attempting to bring any external pressure for passing examinations, exemption from attendance or any other purpose.

Indulgence in any of the above acts, can result in appropriate disciplinary action which may be rustication or expulsion from the college either for specified period or for good or fines upto the maximum of Rs.5000/= can be imposed.

For proper identification students must always carry College Identity Card and the same will be produced/shown to the Authorized Person of the College as and when required.

11. BACHELOR OF ENGINEERING TECHNOLOGY PROGRAMMES SCHEME OF STUDIES AND DEPARTMENTS

11.1 DEPARTMENT OF CIVIL ENGINEERING TECHNOLOGY

Civil Technology deals with the process of directing and controlling natural resources for the use & benefit of mankind through construction of various structures of buildings. It applies practices to the Construction, Operation & Maintenance of Structures, such as buildings, Roads, Bridges, Railways, Factories, Airports, Irrigation schemes, docks & harbors, Water supply and Sewerage disposal etc.

The department of Civil Technology offers many courses relevant to the vast field of Civil Technology including Surveying, soil mechanics, concrete technology, hydraulics, irrigation system, public health engineering and other related subjects.

Vision of the Department

To impart knowledge and skills in civil engineering technology to produce graduates of high caliber, professional competence, technical skills and ethical values to serve the society and nation.

Mission of the Program

B.E. Tech (Civil) program aims at providing state of the art education to produce highly skilled professionals for significant contribution in the socio-economic development locally and globally.

Program Educational Objectives (PEOs)

The Program Educational Objectives of Bachelor of Engineering Technology CIVIL Program ensure that after '4 – Years' of graduation the professionals should have following attributes:

PEO-1. Graduates will demonstrate proficiency in the core principles of civil technology and apply this knowledge to design, analyze, and implement infrastructure projects. They will utilize modern tools and technologies to address civil engineering challenges effectively.

PEO-2. Graduates will integrate sustainability principles into civil engineering practices, ensuring that their work supports environmental stewardship. They will innovate and adopt new technologies to enhance the design and construction of sustainable infrastructure.

PEO-3. Graduates will develop leadership skills and contribute effectively to multidisciplinary teams. They will communicate technical ideas, project outcomes, and solutions clearly to diverse audiences, including engineers, stakeholders, and the public.

PEO-4. Graduates will uphold high ethical standards in their professional work, ensuring their engineering practices positively impact society. They will adhere to legal, safety, and regulatory frameworks in civil engineering learning,

11.1.1 SCHEME OF STUDIES BACHELOR OF ENGINEERING TECHNOLOGY (CIVIL)

	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 =**15**	12+09 =**21**

	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
		Subtotal	11+05 =**16**	11+15 = **26**

SEMESTER-IV

Course Codes	Course Title	Knowledge Area/Domain	Credit Hrs. (Th+Lb)	Weekly Contact Hrs. (Th+Lb)
CET-221	Transportation and Highway Technology	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
		Subtotal	13+03 **= 16**	13+09 **= 22**

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
		Subtotal	09+06 = **15**	09+18 = **27**

SEMESTER-VI

Course Codes	Course Title	Knowledge Area/Domain	Credit Hrs. (Th+Lb)	Weekly Contact Hrs. (Th+Lb)
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	Technopreneurship	Management Science	2+0	2+0
CET-325	Project Part-I	Civil Engineering Technology Depth	0+3	0+9
		Subtotal	09+07 =**16**	09+21 =**30**

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 = **29**

SEMESTER-VIII				
CET-421	Supervised Industrial Training	Civil Engineering Technology Domain Industrial Training	0+16	0+40
		Subtotal	00+16= **16**	00+40= **40**
Total Credit Hours & Contact Hours			75+51 = **126**	75+145 = **220**

11.2 DEPARTMENT OF ELECTRICAL ENGINEERING TECHNOLOGY

Electricity plays vital role in the country in improving the living conditions of the people and powering many different Industries. The field of Electrical Technology is concerned with Generation, Transmission, Distribution, Control and Utilization of electrical energy. There are lot of job opportunities for degree holders who are considerable in both, public as well as private sector organizations and industries.

The teaching faculty is highly educated. The subjects are taught related to the electrical technology including electrical measurements, electrical circuits, electrical machines, advance electronics and other subjects.

Vision of the Department

Vision Statement:
"To be a leading center of excellence in electrical engineering education, producing innovative, skilled, and ethical engineers who contribute to sustainable technological advancements and address the challenges of the evolving global energy and technology sectors."

To provide quality technical education to prepare globally competent and ethically strong Electrical Engineering Technologists with power of innovation to contribute the knowledge for the betterment of the society.

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Mission of the Program

Mission Statement:

- **Provide** high-quality, industry-relevant education that equips students with the theoretical knowledge, practical skills, and critical thinking necessary for solving complex electrical engineering problems.
- **Foster** a culture of innovation and research, encouraging students to pursue cutting-edge solutions in power systems, electronics, automation, and renewable energy.
- **Develop** strong partnerships with industry, ensuring that our curriculum aligns with current and future needs of the electrical and technological fields.
- **Promote** lifelong learning and professional development, preparing graduates to adapt to the ever-changing landscape of engineering and technology.
- **Uphold** ethical standards and social responsibility, guiding students to apply their knowledge for the betterment of society and the environment.

The mission of Department of Electrical Engineering Technology is to provide quality education emphasizing on industrial application of engineering knowledge with technical skills to produce graduates who will become responsible and contributing leaders in industry.

Program Educational Objectives (PEOs)

The Program Educational Objectives of Bachelor of Engineering Technology (ELECTRICAL) Program ensure that after '4 – Years' of graduation the professionals should have following attributes:

PEO-1. Graduates will demonstrate an understanding of core principles in electrical technology and apply these to solve practical engineering problems. They will proficiently use modern tools, techniques, and methodologies in electrical technology.

PEO-2. Graduates will engage in lifelong learning and innovation, staying updated with emerging technologies in the electrical field. They will adapt to and implement new advancements to enhance efficiency and sustainability in their professional practice.

PEO-3. Graduates will exhibit a strong sense of professional ethics, responsibility, and accountability. They will ensure that their engineering practices contribute positively to society and the environment while adhering to legal and ethical standards.

PEO-4. Graduates will effectively function as both leaders and members of multidisciplinary teams. They will contribute to the successful completion of projects through collaboration and effective communication with diverse groups.

11.2.1   SCHEME OF STUDIES BACHELOR ENGINEERING TECHNOLOGY (ELECTRICAL)

SEMESTER-I

Course Codes	Course Title	Knowledge Area/Domain	Credit Hrs. (Th+Lb= **Tot**)	Contact Hrs. (Th+Lb= **Tot**)
ELH-111 ELH-112	Islamic Studies/Social Ethics	Art & Humanities-I	3+0	3+0
ELE-111	Communication Skills	Expository Writing -I	3+0	3+0
ELQ-111	Calculus & Analytical Geometry	Quantitative Reasoning-I	2+0	2+0
ELN-112	Applied Physics	Natural Sciences-I	2+1	2+3
ELC-111	Information and Communication Technology	Computing-I	1+1	1+3
ELT-111	Electrical Workshop	Electrical Engineering Technology Foundation-I	0+2	0+6
		Subtotal	11+4 =**15**	11+12 =**23**

SEMESTER-II

Course Codes	Course Title	Knowledge Area/Domain	Credit Hrs. (Th+Lb= **Tot**)	Contact Hrs. (Th+Lb= **Tot**)
ELH-121	Pakistan Studies	Art & Humanities -II	3+0	3+0
ELQ-121	Differential Equations	Quantitative Reasoning-II	2+0	2+0
ELN-122	Numerical Analysis	Natural Sciences-II	2+1	2+2
ELM-121	Leadership and Entrepreneurship	Management Sciences-I	3+0	3+0
ELC-121	Computer Programming	Computing-II	1+1	1+3
ELT-121	Linear Circuit Analysis	Electrical Engineering Technology Foundation- II	1+1	1+3
ELT-122	Environment, Health and Safety	Electrical Engineering Technology Foundation- III	1+0	1+0
		Subtotal	13+3 =**16**	13+9 =**22**

SEMESTER-III

Course Codes	Course Title	Knowledge Area/Domain	Credit Hrs. (Th+Lb= **Tot**)	Contact Hrs. (Th+Lb= **Tot**)
ELH-211	Professional Ethics	Social Science-I	2+0	3+0
ELE-211	Technical Report Writing	Expository Writing-II	3+0	3+0
ELQ-211	Linear Algebra	Quantitative Reasoning-II	2+0	2+0
ELT-211	Technical Drawing	Electrical Engineering Technology Foundation-III	0+1	0+3
ELT-212	Electronic Devices & Circuits	Electrical Engineering Technology Foundation-IV	2+1	2+3
ELT-213	Logic Circuits and Applications	Electrical Engineering Technology Foundation- V	1+2	1+6
ELT-214	Electrical Network Analysis	Electrical Engineering Technology Foundation VI	2+1	1+3
		Subtotal	12+5 =**17**	12+15 =**27**

SEMESTER-IV

Course Codes	Course Title	Knowledge Area/Domain	Credit Hrs. (Th+Lb= **Tot**)	Contact Hrs. (Th+Lb= **Tot**)
ELT-221	Instrumentation and Measurements	Electrical Engineering Technology Breadth Core-I	2+1	2+3
ELT-222	Electrical Machines	Electrical Engineering Technology Breadth Core-II	2+1	2+3
ELT-223	Signals and Systems	Electrical Engineering Technology Foundation-III	1+1	1+3
ELT-224	Micro-Controller Systems	Electrical Engineering Technology Foundation-IV	1+1	1+3
ELT-225	Electrical Power Transmission	Electrical Engineering Technology Breadth Elective-I	2+1	2+3
ELI-221	Mechanical Eng. Technology	Inter Disciplinary Technology Elective-I	1+1	1+3
		Subtotal	9+6 =**15**	9+18 =**27**

SEMESTER-V

Course Codes	Course Title	Knowledge Area/Domain	Credit Hrs. (Th+Lb= **Tot**)	Contact Hrs. (Th+Lb= **Tot**)
ELT-311	Control Technology	Electrical Engineering Technology Depth Core-I	2+1	2+3
ELT-312	Communication Systems	Electrical Engineering Technology Depth Core-II	2+1	2+3
ELT-313	Electrical Power Distribution & Utilization	Electrical Engineering Tech. Breadth Elective-II	1+1	1+3
ELT-314	Power Generation Technology	Electrical Engineering Technology Depth Elective-I	2+0	2+0
ELT-315	Electrical Appliances Repair	Electrical Engineering Technology Depth Elective-II	1+2	2+3
ELT-316	Mobile Phone Assembly and Repair	Electrical Engineering Technology Depth Elective-III	2+1	2+3
		Subtotal	10+6 =**16**	10+18 =**28**

SEMESTER-VI

Course Codes	Course Title	Knowledge Area/Domain	Credit Hrs. (Th+Lb= **Tot**)	Contact Hrs. (Th+Lb= **Tot**)
ELM-321	Project Management	Management Sciences-II	2+0	2+0
ELT-321	Power System Protection	Electrical Engineering Technology Depth Elective-IV	2+1	2+3
ELT-322	Power Electronics	Electrical Engineering Technology Depth Elective-V	2+1	2+3
ELT-323	Industrial Drives & PLC	Electrical Engineering Technology Depth Elective-VI	2+1	2+3
ELI-321	Heat Ventilation and Air Conditioning (HVAC)	Inter Disciplinary Technology Elective-II	2+1	2+3
ELT-324	Project Part-I	Electrical Engineering Technology Domain Project	0+3	0+9
		Subtotal	10+7 =**17**	10+21 =**31**

SEMESTER-VII

Course Codes	Course Title	Knowledge Area/Domain	Credit Hrs. (Th+Lb= **Tot**)	Contact Hrs. (Th+Lb= **Tot**)
ELH-411 ELM-411	Elective	Social Science-II / Management Sciences-III	2+0	2+0
ELT-412	Renewable Energy Technology	Electrical Engineering Tech. Depth Elective-VII	2+1	2+3
ELT-413	Electrification Technology	Electrical Engineering Tech. Depth Elective-VIII	2+1	2+3
ELT-414	Machine Repair & Maintenance	Electrical Engineering Tech. Depth Elective-IX	2+1	2+3
ELC-411	Artificial Intelligence	Computing-III	1+1	1+3
ELT-416	Project Part-II	Electrical Engineering Technology Domain Project	0+3	0+9
		Subtotal	9+7=**16**	9+21 =**30**

SEMESTER-VIII

Course Codes	Course Title	Knowledge Area/Domain	Credit Hrs. (Th+Lb= **Tot**)	Contact Hrs. (Th+Lb= **Tot**)
ELT-421	Supervised Industrial Training (Compulsory)	Electrical Engineering Technology Domain Industrial Training	16	40
		Subtotal	0+16= **16**	0+40= **40**
Total Credit Hours & Contact Hours				

11.3   DEPARTMENT OF MECHANICAL ENGINEERING TECHNOLOGY

Mechanical technology is a professional technical discipline that involves the application of principles of maintenance of mechanical systems. It requires a solid understanding of key concepts including mechanics, kinematics, thermodynamics and energy. Practitioners of mechanical technology use these principles and others in the design and analysis of automobiles, aircraft, heating and cooling systems, buildings, bridges, industrial equipment, machinery and more.

It offers several major subjects of study. This is to ensure a minimum level of competence among graduates and to inspire confidence in the technical profession as a whole.

Vision of the Department

To produce highly qualified professionals who can understand complicated designs and to implement them to physical positions on the ground.

Mission of the Program

1.   To produce experienced and knowledgeable technologists which can understand the information given to them in design and layout of any project or industry and construct it as per design and to achieve the sustainable socio-economic development through enterprises.

2.   To prepare skilled professionals for a productive career in a competitive and technologically based society and advance the mechanical technology principles and applications to serve better.

Program Educational Objectives (PEOs)

The Program Educational Objectives of B.E (Tech) Mechanical Engineering Technology Program ensure that after '4 – Years' of graduation the professionals should be able to:

PEO-1.   Technical Proficiency: Graduates will demonstrate technical proficiency in mechanical technology by applying engineering principles and modern tools to solve complex, real – world problems in the industry.

PEO-2.   Problem Solving Skills: Graduates will develop the ability to analyze, interpret and solve engineering problems using a systematic approach that includes experimentation, modeling and simulation.

PEO-3.   Ethical and Professional Responsibility: Graduate will conduct themselves with strong scene of ethical and professional responsibility, adhering to industry standard and considering the societal, environmental and economic impact of their engineering solutions.

PEO-4.   Continues Learning: Graduate will engage in lifelong learning through professional development, certification and higher education to keep up with evolving technology and industry practices.

PEO-5.   Effective Communication: Graduate will communicate effectively in both technical and non-technical environments, collaborating with cross functional teams and conveying complex ideas clearly to stake holders.

PEO-6.   Leadership and Teamwork: Graduate will demonstrate leadership and team work skills, adopting to various roles within multi-disciplinary teams to achieve project goals and contribute positively to organization.

11.3.1   SCHEME OF STUDIES B.E (TECH) ENGINEERING TECHNOLOGY (MECHANICAL)

	SEMESTER-I			
Course Codes	Course Title	Knowledge Area/Domain	Credit Hrs. (Th+Lb)	Weekly Contact Hrs. (Th+Lb)
HUM-111	Islamic Studies	Humanities	2+0	2+0
HUM-112	Ethics			
NSC-114	Applied Calculus and Analytical Geometry	Natural Science	3+2	3+0
NSC-112	Applied Physics	Natural Science	2+1	2+3
NSC-113	Applied Chemistry		2+1	2+3
CSC-111	Computer Fundamentals	Computer Science	1+2	1+6
MET-111	Workshop Technology	Engineering Foundation	1+2	1+6
GE-115	General Mathematics	Deficiency Course for F.Sc Pre-Medical Students only (Non-Credit)	3+0	3+0
		Subtotal	11+06 =**17**	11+18 =**29**

	SEMESTER-II			
Course Codes	Course Title	Knowledge Area/Domain	Credit Hrs. (Th+Lb)	Weekly Contact Hrs. (Th+Lb)
HUM-122	Pakistan Studies	Humanities	2+0	2+0
NSC-121	Linear Algebra and Differential Equations	Natural Science	3+0	3+0
EET-121	Basic Electrical and Electronics	Engineering Foundation	2+2	2+6
MET-121	Technical Drawing and graphics	Engineering Foundation	1+2	1+6
MET-122	Engineering Mechanics	Engineering Foundation	2+1	2+3
		Subtotal	5+15=**20**	10+15=**25**

SEMESTER-III

Course Codes	Course Title	Knowledge Area/Domain	Credit Hrs. (Th+Lb)	Weekly Contact Hrs. (Th+Lb)
HUM-211	Communication Skills	Humanities	3+0	3+0
MET-216	Fluid Mechanics and Hydraulic Machines	Major based Breadth	2+1	2+3
MET- 212	Basic Thermodynamics	Engineering Foundation	2+1	2+3
MET-213	Mechanics of Materials	Engineering Foundation	2+1	2+3
MET-214	Industrial Materials	Engineering Foundation	2+1	2+3
MET-215	Total Quality Management	Major based Breadth	2+0	2+0
		Subtotal	13+4=**17**	13+12=**25**

SEMESTER-IV

Course Codes	Course Title	Knowledge Area/ Domain	Credit Hrs. (Th+Lb)	Weekly Contact Hrs. (Th+Lb)
HUM-221	Technical Writing	Humanities	3+0	3+0
NSC-221	Probability and Statistics	Natural Science	3+0	3+0
MET-221	Mechanics of Machines	Major based Breadth	2+1	2+3
MET-222	Applied Thermodynamics	Major based Breadth	2+2	2+6
MET-223	CAD/CAM	Major based Breadth	0+2	0+6
		Subtotal	10+5=**20**	10+15=**25**

SEMESTER-V

Course Codes	Course Title	Knowledge Area/Domain	Credit Hrs. (Th+Lb)	Weekly Contact Hrs. (Th+Lb)
MET-311	Heat and Mass Transfer	Major based Depth	2+1	2+3
MET-312	Instrumentation and Control	Major based Depth	2+1	2+3
MET-313	Machine Design	Major based Depth	2+1	2+3
MET-314	Manufacturing Processes	Major based Depth	1+2	1+6
MET-315	Mechanical Vibrations	Major based Depth	2+1	2+3
MET-316	Health, Safety & Environment	Major Based Breadth	2+1	2+3
		Subtotal	11+7=18	11+21=32

SEMESTER-VI				
Course Codes	**Course Title**	**Knowledge Area/Domain**	**Credit Hrs. (Th+Lb)**	**Weekly Contact Hrs. (Th+Lb)**
MGM-321	Project Management	Management Science	2+1	2+3
MGM-322	Professional Ethics	Management Science	3+0	3+0
MET-322	Automobile Technology	Major based Depth	2+2	2+6
MET-323	Heating, Ventilation & Air Conditioning (HVAC)	Major based Depth	2+1	2+3
MET-324	Energy Systems Technology	Major based Depth	2+1	2+3
MET-325	Project Part-I	Major based Depth	0+3	0+9
		Subtotal	11+8=19	11+24=35

SEMESTER-VII				
Course Codes	**Course Title**	**Knowledge Area/Domain**	**Credit Hrs. (Th+Lb)**	**Weekly Contact Hrs. (Th+Lb)**
MGM-411	Entrepreneurs hip	Management Science	3+0	3+0
MET-411	Mechatronics	Major based Depth	2+1	2+3
MET-412	Maintenance Technology	Major based Depth	2+1	2+3
MET-413	Advanced Manufacturing Technology	Major based Depth	2+1	2+3
MET-325	Project part-II	Major based Depth	0+3	0+9
		Subtotal	9+6=15	9+18=27

SEMESTER-VIII				
Course Codes	**Course Title**	**Knowledge Area/Domain**	**Credit Hrs. (Th+Lb)**	**Weekly Contact Hrs. (Th+Lb)**
MET-421	Supervised Industrial Training (Compulsory)	Major based Depth	0+16	0+640
		Subtotal	16	640
		Total Credit Hours & Contact Hours		

12. DISTRIBUTION OF SEATS

12.1 Category-wise Distribution of All Engineering Technology Seats

Sr. No.	Category	Percentage % of Total Seats	Total No. of Seats
01	**Open Merit** (Karachi Division)	60% of 40 Seats	24 Seats
02	**All Sindh Basis** (a) 10% for All Sindh Rural (b) 10% for All Sindh Urban	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 Defense / 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		**45 Seats**

12.1.1 Self-finance Scheme

Five (5) seats of each Engineering Technology Program have been reserved for the candidates domiciled in Sindh Province under Self-finance Scheme.

NOTE: THE COLLEGE AUTHORITIES RESERVE THE RIGHT NOT TO COMMENCE OR DELAY THE COMMENCEMENT OF PROGRAMME IF NUMBER OF ENROLMENTS FALL BELOW 50% OF THE TOTAL SEATS.

12.1.2 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.

12.2 ADMISSION ON RESERVED SEATS

12.2.1 Real Sons/Daughters/Brothers/Sisters of STEVTA Employees
Candidates applying on the reserved seats for Sons/Daughters/Brothers/Sisters of Employees are required to produce evidence certificate of their parents holding a minimum three-year service in STEVTA. The application must be forwarded to the Directorate (Academic & Training) STEVTA, Head Quarter (HQ) through respective Regional Directors, STEVTA. The Managing Director/Director (A&T) STEVTA, HQ is the final authority to allow admission on the reserved seats of employees. First preference will be given to real sons/daughters.

12.2.2 In-service staff members of Technical Education
In-service staff members of Technical Education will be allowed admission in first year B.E. Tech Program on the following conditions:
a.   Candidate will be required to submit study leave.
b.   Candidate will be required to submit Departmental Permission (NOC) at the time of admission.

12.2.3 Seats on Reciprocal basis
The candidates from other provinces, seeking admission on reciprocal basis should send their applications through TEVTA of their respective province to STEVTA, HQ. Applications sent directly to the college shall not be entertained in any case.

12.2.4 Sons/Daughters of Defense Personnel
Candidates seeking admission on seats reserved for Armed Forces should apply through their respective Head Quarters to STEVTA, HQ. Applications sent directly to the college shall not be entertained in any case.

12.2.5 Seats for Extra Curricular Activities/Disable quota
Candidates seeking admission on the basis of Extra Curricular Activities, are required to submit documentary evidence of their skills and also specify field of extracurricular activities clearly in application form, they may be asked to appear for a test to justify their skills.
Seats for disables. Certificate of disability issued by the competent authority should be attached.

13. RULES AND PROCEDURES FOR ADMISSION

    a.   Admissions to the First Year for B.E (Tech) in Civil, Electrical and Mechanical Engineering Technology Programs are made according to the policies and rules, framed by the authorities of Benazir Bhutto Shaheed University of Technology and Skill Development, Khairpur Mir's' as given in its under graduate prospectus 2024 of the university. The rules mentioned in this prospectus are subject to revision by the competent authority of the University as and when deemed necessary and without any notice. The admission will be processed by Benazir Bhutto Shaheed University of Technology and Skill Development, Khairpur Mirs.

b. In case of any changes in policy and curriculum by the university authorities/ statutory bodies, college will comply the same.

c. The candidates who apply for admission on the basis of fake certificates/documents (detected before or after their admission) shall be prosecuted under criminal law and their admission shall be cancelled. Additionally, they may also be debarred for a period of three years for future admission and all payments made to the BBSUTSD, Khairpur Mir's'/GCT, Karachi shall be forfeited in favor of the GCT, Karachi.

13.1   Eligibility for Admission

13.1.1 The candidates who have passed their Higher Secondary School Certificate (HSC Part-II) /Diploma of Associate Engineer (DAE)/equivalent in any of the disciplines mentioned against each program in annual examination 2024 or prior with at least 50% aggregate marks (Grace marks shall not be considered) from any recognized Board of Intermediate and Secondary Education/Board of Technical Education in Pakistan or from foreign countries are eligible to apply for admission subject to provision of equivalence certificate.

A. Bachelor of Engineering Technology (Civil) Group
   i.   DAE in Civil / Architecture / Land & Mine Surveying (Minimum 50% marks)

   ii.   HSC (Pre-Engineering)/HSC (Pre-Medical) or equivalent (Minimum 50% marks)

   Note: HSC (Pre-Medical) or equivalent are to study and additional Math course (FSc Level designed by HEI) in the first semester of the Engineering Technology Programme. The Course credit hours will not be counted in the degree credit hours).

B. Bachelor of Engineering Technology (Electrical) Group
   i.   DAE in Electrical, Electronics, Automation, Avionics, Information Technology, Instrumentations, Instrumentation & Process Control, Radar Technology , Radio Technology and Telecommunication (Minimum 50% marks)
   ii.   HSC (Pre-Engineering/Pre-Medical) or equivalent (Minimum 50% marks)

C. Bachelor of Engineering Technology (Mechanical) Group
   i.   DAE in Mechanical, Dies & Molding, Auto & Farm/ Diesel, Refrigeration & Air Conditioning, Power, Automation, and Bio-Medical (Minimum 50% marks)
   ii.   HSC (Pre-Engineering/Pre-Medical) or equivalent (Minimum 50% marks)

13.1.2 The candidates who have passed the above examinations or equivalent shall be eligible for admission.

13.1.3 Those students, who were admitted to any other universities/institutes before applying for admission and were rusticated, debarred or their admissions were cancelled, shall not be considered for admission. Additionally, if the students withhold information regarding such a disciplinary action and they were granted admission; their admission will be cancelled

immediately after ascertaining such facts. Those candidates who have been convicted involving moral turpitude shall also be refused admission. Since the admission form is a legal document, any wrong information provided therein or tampering it in any other way is illegal and may result in rejection of the form out rightly.

13.1.4 Pre-Admission Test

All the candidates applying for all categories including Reserved Quota are required to appear in the pre-admission test as per schedule and venue announced by the University/College.

13.1.5 Calculation of Composite Percentage Number (CPN)

A.   DAE/HSC: (with adjusted marks**) x **0.50**

B.   Pre-admission Test Score x   **0.50**

* **For example:** If a candidate has secured 70% marks in DAE/HSC and 60% marks in Pre-admission Test; his/her CPN would be: **(70×0.5)** + **(60×0.5)** = **35 + 30** = **65.0000**

** Adjusted marks means marks secured in DAE/HSC examination plus additional marks if any, as defined in the relevant Clause, minus marks to be deducted as defined in relevant Clause.

The CPN of the candidates on the merit list may be calculated with four digits after decimal point. The following steps may be taken, in case of tie of CPN even after exercising the above action:

    i.   The candidate having higher pre-admission test marks will be higher in merit.
    ii.   The candidate having higher DAE/HSC marks will be higher in merit.
    iii.   The candidate having higher SSC marks will be higher in merit.
    iv.   The candidate having higher HSC Math-II marks will be higher in merit.
    v.   The candidate having higher HSC Math-I marks will be higher in merit.

13.1.6 Interviews

After the receipt of the result of Pre-admission Test, a comprehensive merit list is prepared and a number of candidates roughly equivalent to the reserved seats are called for interview before the Admission Committee.

The candidates will also be required to bring their original documents as mentioned below for verification:

    (i)   Marks Certificate of SSC – (Matriculation).
    (ii)   Marks Certificate of DAE/HSC Part-II.
    (iii)   Domicile Certificate of candidate.
    (iv)   PRC 'Form C' of candidate.
    (v)   National Identity Card/B-form (as applicable).
    (vi)   Undertaking on Judicial stamp paper as per specimen.

(vii)   Medical Certificate on pro forma.

It is mandatory for the candidates to appear before the Admission Committee for interview. If any candidate fails to produce all or any of the above-mentioned documents, he/she shall not be allowed to appear in the interview and will be disqualified from the process of admission.

The admission shall be allowed on the day of interview; and if admitted, all the above original documents would be retained by the institute for at least **one entire year**. The candidates are advised to keep at least one to two sets of photocopies of all the documents with them. The candidate has to deposit the fees as mentioned in relevant fees clause at the time of interview.

13.1.7 Rectification of Mistakes
The Admission Merit Lists/Call Lists announced by the Admission Office are provisional and if any mistake is detected, it is rectified accordingly.

13.1.8 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.

13.1.9 Additional Marks

The candidates, who have produced certificates of Hafiz-e-Quran on printed form from registered Madrasahs and clear the test of Hifz taken by the University, are also considered to have additional 20 marks to be added to the marks of HSC Part-II/DAE.

13.1.10 Deduction of Marks Due to Gap in Entry Qualification session 2024 – 25

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

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

13.1.11 Closing of Admissions Process
The admissions process for the session is made up to the end of FOURTH week from the date of start of the classes. After this period, no new admissions are made.

13.1.12 NOC and Study Leave Order for Candidates already in Service
The candidates who are already in service at the time of submission of admission form should attach NO OBJECTION CERTIFICATE from their employers for their admission. After selection to the First Year Class, they are required to submit study leave order and relieving order from their employers for study purpose at the University because the B.E.Tech in Electrical and Mechanical Engineering Technology Degree Programs are regular full time and morning programs and no student admitted in the College is allowed to engage himself/herself in any employment during his/her studies.

13.1.13 Admission in any Other Institute
Being a full-time program of studies, no student of the College is allowed to enroll in any other full time or part time courses of studies in any other educational institution without prior

permission of the authorities of the University. Violation of the above may lead to the cancellation of his/her admission.

13.1.14 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.

13.1.15 Enrolment Card

Each student is required to enroll 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.

14.   Admission and Tuition Fees

The admission fee is non-adjustable and non-transferable. The fees details are given below:
Schedule of fees payable at the time of   admission

BACHELOR OF TECHNOLOGY PROGRAMME FEE FOR ACADEMIC YEAR 2024-25

A: **FEE STRUCTURE FOR REGULAR STUDENTS**

Sr.#	Head of Account	Semester wise Schedule							
		1st	2nd	3rd	4th	5th	6th	7th	8th
1	Admission fee	500	-----	-----	-----	-----	-----	-----	-----
2	Tuition fee	500	500	500	500	500	500	500	500
3	Training charges	18000	18000	18000	18000	18000	18000	18000	18000
4	Security Deposit (Refundable)	1000	-----	-----	-----	-----	-----	-----	-----
5	Visit/Industrial Tour fee	1500	1500	1500	1500	1500	1500	1500	1500
6	Library fee	100	100	100	100	100	100	100	100
7	Gymkhana / Sports fee	500	500	500	500	500	500	500	500
8	First Aid fee	500	500	500	500	500	500	500	500
9	Communication/Courier	500	500	500	500	500	500	500	500
	TOTAL =A	**24,000**	**22,000**	**22,000**	**22,000**	**22,000**	**22,000**	**22,000**	**22,000**

B: **FEE OF HELP BASIS SEATS**

10	Self-Finance Charges	20000	20000	20000	20000	20000	20000	20000	20000
	TOTAL =B	20000	20000	20000	20000	20000	20000	20000	20000
	TOTAL A & B	**44,000**	**42,000**	**42,000**	**42,000**	**42,000**	**42,000**	**42,000**	**42,000**

C: **ADMISSION PACKAGE (ADMISSION FORM, PROSPECTUS, ENTRY TEST FEE AND DOCUMENT SCRUTINY CHARGES**

PROSPECTUS AND ENTRY TEST	3,700/-

14.1.1 Enrolment and Examination Fee: Every student has to pay Documents Verification, Enrolment and Examination Fee separately as prescribed and notified by BBSUTSD Khairpur Mir's from time to time.

14.1.2 Admission Fee Refund Policy
Where the University strictly follows the National Level Fee Refund Policy at Higher Education Institutions at Pakistan which is as under:

% of Admission Fee	**Timeline for Semester**
Full 100% fee refund	Up to 7th day (including holidays) of convene of classes
Half/ 50% fee refund	Up to 15th day (including holidays) of convene of classes
No Refund 0%	From 16th day of convene of classes.

15.   STUDENT AFFAIRS
15.1   STUDENT CONDUCT AND DISCIPLINES RULES
The student shall be governed by the rules of discipline in the class rooms, library, examination hall, playgrounds and on other places, as prescribed by the College authorities from time to time. Every student should have to sign an undertaking at the time of admission on a prescribed form. The decision of the College authorities in connection with the disciplinary action shall be final and binding on all concerned students.

15.2   NO STUDENT SHALL:
a.   Smoke, take alcoholic liquor, manicures, gutka and any other intoxication drugs within the college campus and during any other function.
b.   Organize or take part in any function within the college campus without permission of college authority.
c.   Involve into activities against the Islamic and Pakistan Ideology or National Solidarity.
d.   Affiliate himself with any Political party or group.
e.   Allow to obtain copy or help in copying in examination or including harassment to any teacher or other staff member.
f.   Bring, keep or use any kind of weapon or fire arms within the college campus.
g.   Participate in or abet any walkout or strike against college or its teachers.
15.3   STUDENTS IDENTIFICATION:

Every enrolled student will be issued an identity card at the time of enrolment. In case the card is lost, the matter shall be immediately reported to the administration. The duplicate identity card will only be issued on submission of declaration for loss of the card on payment of Rs. 200/- per card.

15.4 REFUND OF SECURITY DEPOSIT:

The application for refund of security deposit, clearance certificate should be submitted within one year from the date of announcement of the University result or within one year from the date to which student discontinues his study from this college. Student failing to claim the refund of security deposit within the prescribed time shall forfeit his claim and the deposit shall automatically be transferred in the account of this college.

15.5 STUDENTS SOCIETIES:

To help the students in developing the qualities of leadership and good citizenship the college encourages them to participate in all extra curriculum activities provided that such activities do not interfere in their academic progress or administration of this college.

The student's societies formed and managed by the students under the supervision of the college administration will only be allowed to organize extra curriculum activities such as Sports, Dramas, Social and Literacy activities and publication of college magazine.

16.   RULES AND REGULATIONS FOR BE TECH PROGRAMME
16.1   REGULATIONS FOR SEMESTER SYSTEM

Regulations regarding the Courses of Studies for the Bachelor's Degree Programs of the Benazir Bhutto Shaheed University of Technology and Skill Development, under Section 32 (1) (a) of the Act,2016

Short Title: These Regulations may be called the Benazir Bhutto Shaheed University of Technology and Skill Development, Bachelor of Degree Course Regulations, 2017. These Regulations shall be subject to the Benazir Bhutto Shaheed University of Technology General Scheme of Studies for the Bachelor Degree Course Statutes 2017.

Commencement: These Regulations shall be deemed to have come into force with effect from the First of September 2017.

Definitions: In these Regulations, unless expressly stated otherwise:
"University" means the Benazir Bhutto Shaheed University of Technology and Skill Development.
"Academic Year" means the Academic Year of the College/University.
"Semester" means a period of 22 weeks out of Academic Year for teaching and evaluation and/or guidance of the students of the University
"Syndicate" means the Syndicate of the University.
"Vice-Chancellor" means the Vice-Chancellor of the University.
"Pro-Vice-Chancellor" means the Pro-Vice-Chancellor of the University.
"Dean" means the Dean of the concerned Faculty of the University.

"Controller of Examinations" means the Controller of Examinations of the University.

"Chairman" means the Chairman of a Teaching Department of the University.

"Director" means the Director of Post Graduate Studies or Director of an Institute of the University.

"Teacher" means any Lecturer, Assistant Professor, Associate Professor or Professor teaching a subject/paper in the University or in a College/Institute affiliated to the University.

"Internal Examiner" means the teacher/person appointed by the Competent Authority, who has been teaching the subject to the regular class/section during the Academic Year for which the examination is being conducted.

The courses of Study:

The Courses of Studies for the degree of Bachelor of Engineering Technology (BE Tech) shall be as given in the Regulations, which follow, provided that these Regulations shall be subject to change as approved by the Academic Council of the University from time to time.

16.2   Duration of Semester & Year

First year, second year, third year and fourth year for the degree of Bachelor of Engineering Technology will be of one year duration (Total 4 years) each comprising of two semesters. Total Credit hours for all four years shall be 124-136.

There shall be two semesters in an academic year. The duration of teaching time in each semester shall be 16 weeks. The semester starting with the commencement of the academic year will be called the "First semester" and the following semester will be called the "Second Semester".

16.3   Marks:

Each degree program shall carry a number of approved courses and each course shall be assigned a number of Credit Hours. The Credit Hours per semester for each discipline shall be 15-.18. The details of the course, marks / grades assigned and the condition for passing examinations shall be as prescribed by the Benazir Bhutto Shaheed University of Technology and Skill Development Bachelor Degree Regulations 2017.

16.4   Departmental Committee:

Each Department/Institute will have a Departmental Committee consisting of three senior most teachers of the Department/Institute including Chairman/Director to assess the progress of the students during the semester and results of all the examinations including the final semester examination. In case of any discrepancy in the results during scanning process, the concerned Committee will seek approval through the Dean and the Pro- Vice Chancellor from the Vice Chancellor to rechecking the Scripts by a Subject expert (other than the subject teacher). The final recommendations of the Departmental Committee concerning the results will be submitted through the concerned Dean and Pro Vice Chancellor to the Vice Chancellor for consideration and approval.

16.5   YEARLY ACADEMIC PROGRAMME

Sr. No.	Description	Duration
1.	Teaching duration of 1st Semester	16 Weeks
2.	Conduct of Mid Semester Examination	01 Week
3.	Preparation and Conduct of Final 1st Semester Exam	05 Weeks
4.	Summer Break	06 Weeks
5.	Teaching duration of 2nd Semester	16 Weeks
6.	Conduct of Mid Semester Examination	01 Week
7.	Preparation and Conduct of Final 2nd Semester Exam	05 Weeks
8.	Winter break	02 Weeks
	Total Duration of Semesters	**52 Weeks**

Note:

Minimum number of contact hours for a theory subject of 3 CHs per semester is 42
Minimum number of contact hours for a practical of 1CH per semester is 42.

16.6   The minimum requirement for each semester course:

Assignments
Tests (minimum two).
Mid Semester Examination
Final Semester Examination.
The Schedule of Tests, Mid Semester and Final Semester Examination shall be as under:

S.No	Activity	Period
1	Mid Semester Examination	After 08 Weeks
2	Final Semester	After 16 Weeks

16.7   Distribution of Marks:

The distribution of marks for each theory and practical course is as under:

Theory

S.No	Activity	Theory of Maximum l00 Marks	Theory of Maximum 50 Marks
1	Sessional (Assignments/Quiz/Presentation)	20	10
2	Attendance	10	05
3	Mid Semester Examinations	20	10
4	Final Semester Examinations	50	25
	Total	100 marks	50 marks

Practical

S.No	Activity	Practical of Maximum l00 Marks	Practical of Maximum 50 Marks
1	Sessional (Lab Performance/ Practical general /skill competition)	20	10
2	Attendance	10	05
3	Mid Semester Examinations	20	10
4	Final Semester Examinations	50	25
	Total	100 marks	50 marks

For 8th semester (Supervised Industrial Training) the following distribution of marks have been approved:

S.No	Activity	Marks
1.	Training Performance	600
2.	Viva Voce	200
	Total	800 Marks

16.8   Grading Policy

GRADE POINT	GRADE	THEORY		PRACTICAL	
		Max Marks 100	Max Marks 50	Max Marks 100	Max Marks 50
A+	4.0	>=85	>=42	>=85	>=42
A	3.75	75 to 84	37 to 41	75 to 84	37 to 41
B+	3.50	66 to 74	35 to 36	66 to 74	35 to 36
B	3.00	60 to 65	30 to 32	60 to 65	30 to 32
C+	2.50	55 to 59	27 to 29	55 to 59	27 to 29
C	2.00	50 to 54	25 to 26	50 to 54	25 to 26
F	FAIL	0 to 49	0 to 24	0 to 49	0 to 24

Fraction Nos will be rounded off to the nearest whole Nos Where 5.4=5 , 5.5=6, 5.9=6
Subject 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 (G.P.A)

16.9   METHOD OF WORKING OUT G.P.A

Credit Hours (C.H): One credit hour (C.H) for a particular course is generally to be considered as one contact hour of teaching theory per week and for practical 1 C.H be considered as 3 contact hours

Quality Point (Q.P)

For computation of the (G.P.A) the quality point (Q.P) is first determine by the multiplying the value of the grade earned by the students with the Credit Hours of that course, e.g. if a student obtain "A+" grade for a three credit hours course then this quality point will be calculated as follows:
Q.P = 4 x 3 = 12.

Grade Point Average (G.P.A)

Grade point Average is an expression for the average performance of a student in the course he/she has offered during a particular semester. This is calculated by adding the quality points of all the courses taken, divided by the total number of Credit hours offered in a semester.

G.P.A = Sum of Quality Points for all the courses appeared in a particular semester
Sum of Credit Hours for all the courses appeared in a particular semester

Cumulative Grade Point Average (C.G.P.A) in a particular year

This is a figure ranging preferably from 0.00 to 4.00 be used to indicate the performance of a student in the year concerned. A standard scale of 0.00 to 4.00 is recommended to all HEIs

C.G.P.A= Sum of the Q.P for all the courses appeared in a particular year
Sum of the Credit Hours for all the courses appeared in a particular year

Cumulative Grade Point Average (C.G.P.A) for Degree

C.G.P.A = Sum over all taken courses in all Semesters (Course Credit Hours x Grade Point Earned)
Total Credit Hours taken in all Semester

CGPA REQUIRED FOR THE COMPLETION OF UNDERGRADUATE GRADUATE

For completion of the degree, the minimum qualifying CGPA for Bachelor of Engineering Technology Students is **2.00**. In case a student secures less than 2.00 CGPA (minimum qualifying CGPA) at the end of final Semester, she/he may be allowed to get re-admission in one or more courses, in which his/her Grade is below C, along with the forthcoming semester, provided that she/he is not debarred under the CGPA Improvement Regulation and time duration specified for the programme.

16.10 Promotion/Term Back Policies:

(i) A student be promoted to the 2nd semester of the first year provided he/she has completed minimum attendance requirement and Filled up examination form and appeared in at least one of the Heads of the Final examinations (First Semester). (A theory or practical would be treated as separate heads).

If Student could not fulfill the above criteria then he/she will be treated as term back. He/she has to get re-admission with lower batch in 1st semester 1st year and has to pay half fees of the particular batch with whom he/she is going to be admitted.

A student will be promoted to the 1st semester of the 2nd year (3rd semester) provided he/she has obtained C-Grade or higher in at least 50% Heads (including minimum of 02 theory heads) of 1st semester of first year in regular examination and has completed minimum attendance requirement of

2nd semester of the 1st year and has filled up examination form and appeared in at least one of the heads of final examinations (Second Semester).

(A theory or practical would be treated as separate heads).Benefit of the fraction will be given to the student.

If Student could not fulfill the above criteria then he/she will be treated as term back until he/she fulfill the above mentioned criteria. If any student wants to get the re-admission in 1st semester 1st year with lower batch then he/she has to pay full fees of the particular batch with whom he/she is going to be re-admitted.

If any student term back due to shortage of attendance of 2nd semester 1st year then he/she can get the re-admission in 2nd semester of 1st year with lower batch, he/she has to pay half fees of the particular batch.

A student will be promoted to the 2nd semester of the 2nd year (4th semester) provided he/she has completed minimum attendance requirement of the 3rd semester, filled up the examination form and appeared in at least one head of the final examination (Third Semester). (A theory or practical would be treated as separate heads).

If any student term back due to shortage of attendance of 1st semester 2nd year (3rd Semester) then he/she can get the re-admission in 1st semester of 2nd year with lower batch, he/she has to pay half fees of the particular batch.

A student will be promoted to the 1st semester of the 3rd year (5th semester) provided he/she has obtained C-Grade or higher in at least 50% Heads (including minimum of 05 theory heads) of 1st year (1st & 2nd Semester) prior to start of classes of 5th semester and has completed minimum attendance requirement of the 4th semester, and has filed up the examination form and appeared in at least one of the Heads of the final Examination (4th Semester). (A theory or practical would be treated as separate heads). Benefit of the fraction will be given to the student.

If Student could not fulfill the above criteria then he/she will be treated as term back until he/she fulfill the above mentioned criteria. If any student term back due to shortage of attendance of 2nd semester 2nd (4th Semester) year then he/she can get the admission in 2nd semester of 2nd year with lower batch, he/she has to pay half fees of the particular batch.

A student will be promoted to the 2nd semester of the 3rd year (6th semester) provided he/she has completed minimum attendance requirement, filled up the examination form and appeared in at least one of the heads of the final examination (5th semester). (A theory or practical would be treated as separate heads).

If any student term back due to shortage of attendance of 1st semester 3rd year (5th Semester) then he/she can get the re-admission in 1st semester of 3rd year with lower batch, he/she has to pay half fees of the particular batch.

A student will be promoted to the 1st semester of the 4th year (7th semester) provided he/she has cleared all heads of first year, for 20 and onward batches, obtained C-Grade or higher in at least 50%

Heads of second year (3rd & 4th Semester) (including minimum of 05 theory heads) prior to the start of the classes of 7th semester, and has completed minimum attendance requirement of the 6th Semester and has filled up the examination form and appeared in at least one of the Heads of the final Examination (6th Semester). (A theory or practical would be treated as separate heads). Benefit of the fraction will be given to the student.

If Student could not fulfill the above criteria then he/she will be treated as term back until he/she fulfill the above mentioned criteria. If any student term back due to shortage of attendance of 2nd semester 3rd year (6th Semester) then he/she can get the re-admission in 2nd semester of 3rd year with lower batch, he/she has to pay half fees of the particular batch.

A student will be promoted to the 2nd semester of the 4th year (8th semester) provided he/she has completed minimum attendance requirement, filled up the examination form and appeared in at least one of the heads of the final examination (7th semester). (A theory or practical would be treated as separate heads).
If any student term back due to shortage of attendance of 1st semester 4th year (7th Semester) then he/she can get the re-admission in 1st semester of 4th year with lower batch, he/she has to pay half fees of the particular batch.

16.11 Attendance Requirement:

A student should have at least 75% attendance to appear in the Final Semester Examination of that particular subject. In genuine cases, maximum 10% condonation in attendance shall be the discretionary powers of the Vice Chancellor on the basis of an application to be scrutinized by Director/Chairman concerned and routed through respective Dean concerned / Pro-Vice Chancellor. The eligibility attendance of Theory/Practical for late admitted students of First Semester of First Year only shall be calculated from the date of admission.

16.12 Conduct of Sessional Work/Mid-Semester and Final Semester Examinations

10/5 marks of assignment for subjects carrying 100/50 marks shall be awarded by the teacher concerned after conducting 3/2 class tests (MCQ 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.
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 sessional marks on the Notice Board.

Mid Semester Examination will be conducted by the Examination Department in collaboration with the College.

The mid-semester examination will be conducted only for theoretical subjects.
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.

16.13   REGULATIONS FOR CONDUCT OF EXAMINATIONS

*Regulations regarding the conduct of Examinations of the Benazir Bhutto Shaheed University of Technology and Skill Development, under Section 32 (1) (d) of the Act, 2016.

Short Title: These Regulations may be called the Benazir Bhutto Shaheed University of Technology and Skill Development (BBSUTSD) conduct of Examinations Regulations, 2017.
Commencement: These Regulations shall be deemed to have come into force with effect from the First of July 2017.

Definitions: In these Regulations, unless expressly stated otherwise:
"University" means the Benazir Bhutto Shaheed University of Technology and Skill Development.
"Syndicate" means the Syndicate of the University.
"Vice-Chancellor" means the Vice-Chancellor of the University.
"Dean" means the Dean of the concerned Faculty of the University.
"Controller of Examinations" means the Controller of Examinations of the University.
"Chairman" means the Chairman of a Teaching Department of the University.
"Director" means the Director of Post Graduate Studies or Director of an Institute of the University.
"Teacher" means any Lecturer, Assistant Professor, Associate Professor or Professor teaching a subject / paper.
"Discipline Committee" means the Discipline Committee of the University constituted under the First Statutes appended to Benazir Bhutto Shaheed University of Technology and Skill Development Act 2016 and/ or constituted separately for the constituent with the approval of the Vice-Chancellor.
"Unfair means Control Committee" means the Committee appointed by the Vice-Chancellor to scrutinize the reported cases of unfair means/ malpractice of the University & Affiliated Colleges/ Institutes for recommendation to the Discipline Committee/ Vice-Chancellor.
"Vigilance/ Inspection Committee" means the Vigilance/ Inspection Committee which may be constituted by the Vice-Chancellor for monitoring overall conduct of Examination of the University.
"Head Invigilator" means the concerned Dean, of the Faculty appointed by the Vice-Chancellor as Head Invigilator for overall monitoring of Regular Examination of Bachelor of Engineering Technology or any other examination conducted by the University held in the University.
"External/ Internal Head Invigilator" means the Teacher of the University/College (at least Associate Professor) appointed by the Vice-Chancellor as External/ Internal Head Invigilator on the recommendation of the concerned Dean for supervising overall conduct of Regular/ Supplementary Examination of the University.
"Factotum" means the Director/ Chairman or his nominee not below the rank of Associate Professor of the concerned Department appointed by the Vice-Chancellor for conducting Regular/ Supplementary Examinations of the respective Institute/ Department.
"Invigilator" means any Teacher appointed by the concerned Factotum for conduct of Regular/Supplementary Examination of the concerned Institute/Department. In case of the External Invigilators from amongst the Teachers of the University may be appointed by the Vice-Chancellor on the recommendation of concerned Director/Chairman.
"Tabulator/Checker" means the teacher of the University possessing experience and good understanding of examination system appointed by the Vice-Chancellor on the recommendation of the Controller of Examinations for compilation and scrutiny of results of candidates of the University.

Last dates for receipt of application forms and dates for the conduct of Term/Semester Examination of the University are notified by the Controller of Examinations with the approval of the Vice-Chancellor as per Academic Calendar or as proposed by the Academic Heads concerned, as the case may be.

Question papers for Term/ Semester Examination shall be drawn by the teachers of concerned subjects as Internal Examiners. In case of more than one subject teacher of a particular subject, the senior teacher will internally moderate the same and pass on to the Controller of Examinations duly sealed for moderation by External Examiners appointed by the University Authority.

Head Invigilators/ Factotums for Term/ Semester Examination shall be appointed by the Vice-Chancellor and Invigilators by the concerned Factotum. The number of Invigilators shall be decided by the concerned Factotum/ Head Invigilator at the ratio of 10 candidates per Invigilator with a minimum of two including subject teacher. The fraction of 0.5 or above shall be considered as 01.
For Centre of Examination, two Head Invigilators, one internal and one external shall be appointed. The External Invigilators may also be appointed with the approval of the Vice-Chancellor for shared invigilation at the concerned University.

The overall conduct of Examination may be monitored by the Vigilance / Inspection Committees to be appointed by the Vice-Chancellor.

No Head Invigilator, Factotum or Invigilator shall be appointed at any examination at which any of the following relatives of his/her is appearing. Wife, husband, son, daughter, grand-son, grand-daughter, brother, sister, nephew, niece, grand niece/ nephew, uncle, aunt, first cousin, son/ daughter of first cousin, son-in-law, daughter-in-law, brother-in-law and sister-in-law.

The Head Invigilators, Invigilators and Factotums shall, along with their acceptance, sign a declaration to the effect that no relative of theirs, as mentioned in (a) above, is appearing at that examination at which they have been appointed to work.

Instructions to Invigilators shall be given as per University policy.
The Term/Semester Examination of undergraduate / diploma courses of the University shall be held in the premises of the University and that as decided by the Vice-Chancellor.
Examination fees once paid shall not be refunded or held in reserve for a future examination, except in the following circumstances:

When a candidate dies prior to the commencement of an examination.
When an application form is rejected by the University.

The Vice-Chancellor shall have power to exclude any candidate from a University examination on being satisfied that he/she is suffering from an infectious or contagious disease. Whenever any candidate is thus excluded, the fee paid by him/her for admission to the examination shall be refunded to him/her.

No person other than the candidates, University Officers and/or University representatives, Head Invigilators, Factotums, Invigilators and other workers appointed for the Examinations work will be

allowed to enter the premises of any Centre of an Examination. The Head Invigilators/ Factotums/ Invigilators/Naib Qasids shall wear the specific badges during the conduct of Examinations.

No candidate shall be admitted to the Examination, who arrives at the place of Examination late by more than a half of an hour after time fixed for a paper.

Head Invigilators/ Factotums shall instruct the Invigilators that they should take particular care to collect from candidates all answer books provided to them, whether used or unused, cross the blank pages and enter on the face cover the number of supplements used. The Invigilators must acknowledge the receipt of Blank Answer Books after proper counting prior to start of Exam.

Head Invigilators/Factotums should see that Invigilators:

Do not engage in a conversation with the candidates during the examination and do not read what the candidates write.

Do not give any kind of explanation connected with any question set.

Do not do any private or office work during the hours of supervision, nor on any account admit outsiders to the place of examination;

Do not give copies of the question paper set to anyone who not a candidate is sitting for the examination.

Do not use mobile phone during the examination duties.

Must report the cases of candidates to Factotums/ Head Invigilators who are found indulged in unfair means/impersonation/ undisciplined acts etc. along with relevant materials/ evidence.

The Factotums/ Head Invigilators shall see that no candidate leaves his/her seat within the first half of an hour of the Examination.

The sealed envelopes containing question papers shall be opened by Head Invigilator/ Factotum concerned directly in the examination Hall not more than 15 minutes before the time fixed for each paper. The concerned Factotum/ Head Invigilator shall ensure that seals are intact prior to opening of envelopes and shall also certify accordingly.

Question papers for various blocks should be distributed among the various invigilators not more than 5 minutes before the time fixed for each paper.

The concerned Invigilators shall report the cases in writing to Factotums/ Head Invigilators fully documented of any such candidate who is found indulged in copying/ impersonation/ misbehavior/undisciplined acts etc. The Invigilators/Factotums/Head Invigilators shall not cancel any answer of Question(s) fully or partially on any reason whatsoever.

The Factotums/ Head Invigilators shall expel any candidate found copying or for any other offence considered serious by them and report cases of expulsion and/or of offences to the Controller of Examinations for further necessary action.

When a candidate is expelled from an examination, the Factotum/ Head Invigilator should obtain from him/her, before he/she leaves the Examination hall, an explanation, if he/she has any to make, and attach it to his/her report.

The Head Invigilator (External/ Internal) of the affiliated college/ Factotum of the University should countersign all reports made by the Invigilators at the end of the Examination in each paper.
At the conclusion of each paper, the answer books tied with supplement(s), if any, should be carefully counted and packed along with pertinent Question Paper(s) and Invigilators Report(s) in the presence of the Factotums/ Head Invigilators.

The Factotums/ Head Invigilators will be responsible for safe delivery of all answer books in the Examinations Department along with any reported case(s).

Within a week of the conclusion of the whole Examination, the Factotum(s)/ Head Invigilator(s) shall forward to the Controller of Examinations statement showing the respective vouchers, Remuneration bills of Invigilators /Factotums/ Head Invigilators and a report on the conduct of the examination.
On receipt of a report regarding the misconduct of any candidate at any Examination, including breach of any of the Regulations or instructions laid down for the proper conduct of Examination, the Syndicate/ Vice-Chancellor shall have power to impose penalty on account of such misconduct or breach of Regulations/ Instructions on merit of the case as per recommendation of the Unfair means Control Committee/ Discipline Committee.

On recommendation of the Controller of Examinations, the Vice-Chancellor shall approve the names of Tabulators and Checkers for compilation & scrutiny of results of Regular/ Supplementary Examinations of the University. The remuneration shall be paid to concerned officials as may be fixed by the competent authority subject to completion of assigned task in all respects to be certified by the Controller of Examinations.

As soon as a result is announced, the Controller of Examinations of the University shall send copies of Result Gazettes to all concerned Deans, Directors/ Chairmen of the University, for display/ office record. The declared results shall be subject to rectification at any stage on the basis of original record if any error/ omission is found to have occurred inadvertently and as such this shall be reflected in the Marks/Grade/ Pass Certificate in the form of Note.

The following certificates may be issued to the students by the Controller of Examinations/ authorized Dy. Controller or Asstt: Controller of Examinations on receipt of prescribed fees.

Pass Certificate for each Degree Programme.
Marks/ Grade Certificate for each Term/ Semester.
Transcript.
Over-all Cumulative G.P.A. Certificate for all years of the Programme.
Appearance Certificate.
POSITION / Merit Certificate.
Award Certificate.

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

UNDERTAKING

I_____S/o_____   R/o, _____
        do hereby state on solemn affirmation that I shall:
Abide by all the rules / regulations regarding admission, conduct of Academic Program, Discipline, behavior etc. in force in College at present or to be approved and implemented in future.

Confine my activities to the academic pursuits during my studies at the College and would not indulge in any political, Un-social activities directly or indirectly and shall be liable to be expelled from the College, in case I am found involved in any such activities.

Never use violence or threat or pressure or any dispute with others.

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.

Not indulge in any kind of unfair or unlawful means / malpractice in examination and coercion by any means.

Not bring into campus, consume or encourage, consumption of alcoholic products, drugs and narcotics not indulge in acts of moral turpitude.

Not bring or keep any type of weapons within the College premises.

Not damage any College property, including building, equipment, vehicles etc. in any manner.

In case of violation of any of the undertaking as herein above given by me I shall be liable for disciplinary action as per College rules but also shall be liable for criminal prosecution under law of land.

Place: Signature of the Applicant / Candidate Date:

| | | | | | — | | | | | | | — | | | C.N.I.C NO