



THIRD PARTY EVALUATION REPORT

SKILLED DEVELOPMENT TRAINING

UNDER
BANAZIR BHUTTO SHAHEED HUMAN RESOURCE
RESEARCH & DEVELOPMENT BOARD (BBSHRRDB)

SCHOOL OF PARAMEDICS
JINNAH POSTGRADUATES MEDICAL CENTER
(JPMC), KARACHI

PHASE -2018 TO 2019

VERIFIED BY:
INTEGRETED RESEARCH SOLUTIONS (IRS) - GLOBAL



Integrated Research Solutions Global
Producing Robust Research Evidence





-  www.irsglobal.org
-  info@irsglobal.org
-  +92 213 4385696 | +92 300 0285696
-  Suit # 12, 2nd Snow White, Commercial Complex, Near Baloch Flyover, Main Shah

Table of Contents

List of Acronyms.....	3
Central venous pressure	3
Cerebrospinal fluid.....	3
Cardiopulmonary Resuscitation.....	3
Basic Life Support.....	3
Human Immunodeficiency Virus.....	3
Number of Tables.....	4
EXECUTIVE SUMMARY	5
INTRODUCTION	6
PURPOSE	6
SCOPE OF THE WORK.....	7
SPECIFIC OBJECTIVES	7
WORK PLAN AND METHODOLOGY	7
METHODOLOGY	7
DATA COLLECTION	8
SURVEY PARTICIPANTS.....	9
RESEARCH INSTRUMENT.....	9
DATA ANALYSIS	9
LIMITATIONS	10
RESULTS	11
CONCLUSION AND RECOMMENDATIONS:.....	12
EXPERTS VALIDATION	12
VALIDATION OF CURRICULUM USED IN THE TRAINING	15
VALIDATED TRAINING DELIVERY.....	16
VERIFIED TRAINING COMPLETION	16
CHECK AND VERIFICATION OF THE INSTITUTION CERTIFICATION.....	16

List of Acronyms

BBSYDP	Benazir Bhutto Shaheed Youth Development Program
BBSHRRDB	Benazir Bhutto Shaheed Human Resource Research and Development Board
JPMC	Jinnah Postgraduates Medical Center
IRS	Integrated Research Solution
PMU	Project Management Unit
MoU	Memorandum of Understanding
TPV	Third-Party Validation
SBTE	Sindh Board of Technical Education
EPI	Expanded Program on Immunization
BCG	BACILLE CALMETTE-GUERIN
CNS	Central Nervous System
ANS	Autonomic Nervous System
CVS	Cardiovascular System
EMT	Emergency Medical Technician
OT	Operation Theater
CCF	Congestive Cardiac Failure
ENT	Ear Nose Throat
ECG	Electrocardiogram
CVP	Central venous pressure
CSF	Cerebrospinal fluid
CPR	Cardiopulmonary Resuscitation
BLS	Basic Life Support
HIV	Human Immunodeficiency Virus

Number of Tables

Table 01	List of Tutors/Trainers:
Table 02	Scope of Work
Table 03	list of Trades
Table 04	Dispenser’s Course - Outline
Table 05	List of Trainees

Evaluation Team:

S.#	Name	Designation	Remarks
1	Dr. Sadiq Bhanbhro-PhD	CEO-IRS Global	Technical Lead- Evaluation Expert
2	Mr. Farzand Ali	Consultant	Operations Lead
3	Mr. Hussain Bux Koreejo	Lead Consultant	Technical Report Writing & Analysis
4	Mr.Sohail Ahmed Shaikh	MIS Manager	Data Analyst
5	Ms. Zakia Bano	Research Associate	

EXECUTIVE SUMMARY:

The Project Management Unit (PMU) of the Benazir Bhutto Shaheed Human Resource Research and Development Board (BBSHPRDB), situated at the Jinnah Postgraduate Medical Centre (JPMC), plays a crucial role in supporting the Third Party Validation (TPV) of trained participants. This support is provided through a contractual agreement with the Benazir Bhutto Shaheed Human Resources Research and Development Board (BBSHRRDB), in line with the Memorandum of Understanding (MoU) signed between BBSHPRDB and Jinnah Postgraduate Medical Center (JPMC) for the implementation of skill development training.

In Karachi, the PMU-BBSHRRDB-JPMC successfully trained 272 individuals in various employable trades, such as Dispenser, Operation Theatre Technician, Laboratory Technician, Blood Bank Technician, X-Ray Technician, Dental Surgery Assistant, Anesthesia Technician, Emergency Medical Technician, and Ophthalmology.

The primary objective of the assignment was to verify and validate the credentials and experience of trainers, ensure curriculum conformity with the prescribed syllabus, assess training delivery, confirm training completion by graduates/trainees, verify duration and attendance, validate the certification of trainees, and confirm the employability resulting from the delivered project.

To achieve this goal, consultants were engaged to develop a comprehensive methodology for verification from trainers, training institutes, and trainees. The methodology included the use of tools and a telephonic survey of selected trained youth, employing random sampling from the pool of trainees. A questionnaire was formulated, and interviews were conducted.

The sampling process was calculated with a 95% confidence level and a 5% margin of error. Within this sampling framework, out of the 272 youths, 108 were interviewed. In terms of validating trainers and curriculum, meetings and visits were conducted to verify their credentials. The consultants gathered information from a representative sample of training programs, collecting data directly from the sampled trainees.

INTRODUCTION

The Benazir Bhutto Shaheed Human Resource Research and Development Board (BBSHRRDB) was established under the government of Sindh with a comprehensive and long-term vision to address the twin challenges of poverty alleviation and the eradication of unemployment in the Sindh province.

The board's Mine Division Training Program and Curriculum, known as the Benazir Bhutto Shaheed Human Resource Research & Development Program (BBSHRRDB) Youth Development Program (BBSYDP), has been operational since 2008-09. This program has successfully provided training to over two hundred thousand individuals, encompassing both literate and illiterate youth aged 18-35, with approximately 168,000 of them being females. Almost 50% of these trained individuals have secured meaningful employment opportunities.

To formalize the collaboration for providing training in various trades to unemployed youth in Karachi, Sindh province, an MOU was signed between BBSHRRDB and JPMC, based on the approved Proposal for Training (PFT) in the Technical Committee and Board meeting. Consequently, the PMU-BBSHRRDB-JPMC has trained 272 youth/trainees in various medical trades.

To validate the training provided by JPMC to these 272 trainees, a consulting assignment was announced and subsequently signed with a consultant to conduct the validation exercise.

PURPOSE:

BBSHRRDB has sought to engage a consulting firm or individual as a third party to validate the BBSHRRDB training program implemented by PMU-BBSHDB-JPMC. The primary objective is to ensure the seamless implementation of the program in accordance with approved guidelines. Furthermore, the validation process aims to ascertain whether the program has successfully facilitated a minimum of 40% post-training employment by the training providers.

This validation initiative holds significant importance in evaluating the effectiveness of the training program and its impact on providing employment opportunities for the participants.

The consulting firm or individual is tasked with objectively assessing the program's execution, adherence to guidelines, and tangible outcomes in terms of post-training employment facilitation. The results derived from this validation process are anticipated to provide valuable insights that can enhance the program's efficiency, aligning with BBSHRRDB's mission to address unemployment challenges in the region.

SCOPE OF THE WORK:

The Third-Party Validation (TPV) seeks to evaluate and pinpoint both strengths and gaps in the implementation and monitoring of the training program conducted by PMU-BBHSRRDB-JPMC. The main emphasis is on guaranteeing the sustainability of the project by conducting a thorough examination of various aspects of its execution. This validation process is designed to offer valuable insights for refining and enhancing the overall effectiveness of the training program. Additionally, it aims to provide recommendations for ensuring its long-term sustainability.

SPECIFIC OBJECTIVES:

- The specific objectives of the Third-Party Validation (TPV) assignment are as follows:
- To evaluate and authenticate the credentials and experience of trainers appointed by the JPMC. To validate and assess the curriculum utilized for training participants in their respective batches.
- To ensure that training delivery aligns with the terms outlined in the Memorandum of Understanding (MoU) signed with the board.
- To assess and verify training completion, including the duration of training, attendance, the number of graduated trainees, and the distribution of certificates.
- To check and confirm the institute's affiliation with the Sindh Board of Technical Education (SBTE).
To ascertain whether 40 percent of the program graduates are employed, either through self-employment or wage employment.

WORK PLAN AND METHODOLOGY:

To accomplish the assigned task within the defined objectives and scope of work, the plan of action, methodology, and tools for conducting the TPV study have been developed and are detailed in the following sections. These align generally with the specifications outlined in the Terms of Reference (TORs).

METHODOLOGY:

To evaluate the training and employability ratio of BBSHRRDB graduates, this study employed a cross-sectional survey design. The research utilized a mixed-method approach, integrating both quantitative and qualitative methods. The quantitative component provided an overview of the training's profile and duration, while the qualitative approach facilitated an evaluation of program effectiveness, identifying both successful aspects and areas requiring improvement.

Telephonic interviews served as the primary method for data collection. Additionally, the study analyzed existing curricula, trainer profiles, reports, and databases to gather relevant information aligned with the study's objectives. A questionnaire was developed, and interviews were conducted using Excel. The sampling was calculated with a 95% confidence level and a 5% margin of error. Within this framework, 108 out of 272 youths were interviewed, contributing valuable insights to the study.

Table.1 Sample Size for Breakup

Component Tread	Total Enrolment	40% Sample
DISPENSER	46	18
LABORATORY	47	19
OT TECHNICIAN	25	10
BLOOD BANK	20	08
ANAESTHSIA	27	11
EMT	28	11
X-RAY	30	12
DSA	26	10
OPHTHALMOLOGY	23	09
Total Grand	272	108

DATA COLLECTION:

The IRS Global, along with their team, conducted telephonic interviews with 108 trainees and held meetings with the training institute and trainers at the venue used for the youth training sessions. Data collection tools, including a questionnaire and an interview format, were devised for gathering information from both the trainees and the training institute.

SURVEY PARTICIPANTS:

The study's population comprised 108 trainees who were graduates of BBSHRRDB and had undergone training through PMU-BBSHRRDB-JPMC over a period of six months. While the study targeted all 272 graduates, it strategically employed a sampling technique to ensure that the selected participants were representative of various characteristics such as program type, gender, and geographic location. This approach aligns with the recommendations outlined by BBSHRRDB, providing a comprehensive and inclusive representation of the overall trainee population in the program. The sampling process aimed to maintain a balance across these identified characteristics for a more nuanced and accurate analysis.

RESEARCH INSTRUMENT:

A semi-structured interview protocol, comprising both close-ended and open-ended questions, was developed with a specific focus on the study's objectives. This protocol underwent a pre-testing phase involving a small group of potential participants, approximately 05 BBSHRRDB graduates randomly selected from the database of PMU-BBSHRRDB-JPMC. The piloting of this instrument played a crucial role in identifying and minimizing any ambiguities present in the interview questions. This iterative process not only enhanced the clarity of the questions but also contributed to obtaining more valid and insightful responses from the participants. The refined interview protocol, informed by the pre-test findings, was then ready for implementation in the main study.

DATA ANALYSIS:

All telephonic interviews were recorded and subsequently transcribed using a dedicated tool for analysis. While various software options exist for automatic transcription, it may not be feasible for interviews conducted in English by non-native speakers or in other languages. As a result, our research team opted for manual transcription to ensure accuracy and nuanced understanding.

The manual transcription process was carried out meticulously by our research team. Following transcription, the data was organized and entered into Excel for the purpose of analyzing both quantitative and qualitative aspects. This approach allowed for a thorough examination of the information gathered during the interviews, enabling us to address the specific research objectives outlined for this study. The combination of manual transcription and advanced analytical tools ensured a comprehensive and reliable analysis of the collected data.

LIMITATIONS

During the course of this study, the consulting firm encountered numerous obstacles. Here are some of the challenges faced:

- **Sampling Constraints:** The study relies on a sample size of 108 out of 272 trainees, which may not fully represent the entire population of graduates. The findings may be influenced by the characteristics of the selected participants.
- **Time Frame:** The study is confined to a specific period of six months, and the employment status of graduates is assessed within this timeframe. Long-term impacts and sustainability beyond this period may not be fully addressed.
- **Resource Constraints:** The manual transcription process, although chosen for its accuracy, is resource-intensive. This limitation may impact the scalability and efficiency of the validation process for larger projects.
- **Self-Reporting Bias:** Participants' responses, particularly regarding employment status and program effectiveness, may be influenced by self-reporting bias, potentially leading to an overestimation of positive outcomes.
- **Limited Geographical Focus:** The study primarily focuses on trainees from a specific geographic location, potentially limiting the generalizability of the findings to a broader context.
- **Dependency on Telephonic Interviews:** The study heavily relies on telephonic interviews, which may introduce limitations related to participants' accessibility, response reliability, and the inability to observe non-verbal cues.

Despite these constraints, it is noteworthy and highly appreciated that the management personnel of PMU-BBSHRRDB-JPMC demonstrated exceptional cooperation and support throughout the completion of this report.

RESULTS

- All sampled trainees fall within the age group of 18-35 years.
- CVs of all trainers were verified, and meetings were conducted with almost all trainers, either in person at the campus or through telephonic interviews.
- The curriculum was present at PMU-BBSHRRDB-JPMC and was verified for relevance in the respective trades.
- All participating trainees confirmed that the training was delivered using participatory approaches, including practical sessions, PowerPoint presentations, and the provision of handouts and notes to enhance knowledge and skills.
- Each course had duration of six months, as confirmed by the participants. Attendance sheets were checked at PMU JPMC, and trainees also randomly confirmed their presence on the campus.
- Upon successful completion of training, the trainees underwent hands-on experience or on-job internships for a couple of weeks within industrial and commercial units related to their fields of training.
- JPMC, being a degree-awarding medical institute, does not require accreditation from any board.
- Out of the 272 participants, 75% confirmed engagement in employment across various organizations and departments, while the remaining 25% pursued further education. The overall impact indicates that 75% of the trainees are now employed.
- The above results shows that the project has provided a good space to the needy and disadvantaged and underprivileged youth of Sindh province, who rated good to the training contents, venue, state-of-the-art infrastructure, training environment and the highly Qualified trainers.

- All the participants confirmed that they had received the monthly stipend by the training institute paid to them as per set criteria. The trades' selection was as per the demand of job market and the skills gained are helping them in the job market in the medical field

CONCLUSION AND RECOMMENDATIONS:

- The trainers recommended that such kind of trainings should be organized and continued throughout the year so that the JPMC can contribute more in creation jobs and reduce unemployment.
- Due to the strict admission policies and requirements can create hinder because most of the students cannot get avail this opportunity and get admission in graduates program at the JPMC so such kind of training and course may be expanded more to adopt the JPMC expertise to organized the course at the large scale level through the Sindh Province.
- The contents of the training were shared with the BBSHRRDB before the commencement of trainings so these specialized contents should be used by the other medical institutes as well.
- JPMC is the recognized institute and providing a very productive platform for the BBSHRRDB to use for the special training programs in various jobs oriented trades.
- Selected trainees came from the different districts of Karachi and it was difficult for them (especially girls) to attend daily classes, so scholarship may provide to the needy trainees on merit basis.

EXPERTS VALIDATION

Assessed and validated the experts/trainers engaged by the JPMC in terms of the qualification and experience.

JPMC engaged 24 subject experts for selected 09 trades. List of experts is showing that trainers engaged in different trades.

Table-1: List of Tutors/Trainers:

S. No	NO OF TUTORS	QULIFICATION	DESIGNATION
1	MR ABDUL WAHEED	M.PHILL	MASTER TRAINER
2	MR JAVED IQBAL	B.PHARMACY	MASTER TRAINER
3	MR HAQ NAWAZ	DISPENSER/B CATEGORY	MASTER TRAINER
4	MR FIDA HUSSAIN	DISPENSER	MASTER TRAINER
5	MR SHAH MUHAMMAD	M.PHILL	MASTER TRAINER
6	MR JAHANZAIB	M.PHILL	MASTER TRAINER
7	MR KARAN	BSC	MASTER TRAINER
8	MR NASIR ALI KHAN	MASTERS SURGICAL TECHNOLOGY	MASTER TRAINER
9	DR FEHMIDA QAMAR	MBBS	MASTER TRAINER
10	MR MOIN UDDIN	MASTER,S HOSPITAL MANGMENT	MASTER TRAINER
11	DR SHAHNILA	MBBS	MASTER TRAINER
12	MR NASEER	ANAETHSIA TECHNICIAN	MASTER TRAINER
13	MR LUQMAN	ANAETHSIA TECHNICIAN	MASTER TRAINER
14	DR SAIMA	MBBS	MASTER TRAINER
15	DR FARRUK	MBBS	MASTER TRAINER
16	MR MIR ALAM	MSC	MASTER TRAINER
17	DR FAYYAZ	MBBS	MASTER TRAINER
18	MR ILYAS	X-RAY TECHNICIAN	MASTER TRAINER
19	MR SHAHZAD MUGHAL	X-RAY TECHNICIAN	MASTER TRAINER
20	DR SARA	BDS	MASTER TRAINER
21	DR RIZWAN	BDS	MASTER TRAINER
22	DR MB ABBASI	MBBS, COMMUNITY EYE OPHTHALMOLOGIST	MASTER TRAINER
23	MR FAROOQ	BSC	MASTER TRAINER
24	MISS ATIYA	BSC	MASTER TRAINER

During the visit following trainers were available and conducted interviews.

- MR ABDUL WAHEED
- MR JAVED IQBAL
- MR HAQ NAWAZ
- MR FIDA HUSSAIN
- MR SHAH MUHAMMAD
- MR JAHANZAIB
- MR KARAN
- MR NASIR ALI KHAN
- DR FEHMIDA QAMAR
- MR MOIN UDDIN
- DR SHAHNILA
- MR NASEER
- MR LUQMAN
- MR FAROOQ
- DR SARA
- MR SHAHZAD MUGHAL

The above mentioned experts were met individually at their department and validated their engagement in the trainings organized under BBSHRRDB. During the discussion, all trainers confirmed that engagement in the training sessions.

It was observed and verified that experts are well professional and trained in their respective field and provided valuable feedback to improve the training sessions and programs.

Table-02: Scope of Work

PARTICULARS	DETAILS
Enrolments (Trainees)	272
Targeted Gender	Male/Female
Institute	Jinnah Postgraduates Medical Center (JPMC)

Sponsor	Benazir Bhutto Shaheed Human Resources Research & Development Board [BBSHRRDB]
Number of trades	9
Geographical Coverage	Karachi, Sindh Province, Pakistan
Age Limited of Trainees	18-35 Years
Entry Qualification of Trainees	Minimum Matric/Intermediate

Table-03: list of Trades

TRADES	NUMBER OF TRAINEES
DISPENSER	46
LABORATORY	47
OT TECHNICIAN	25
BLOOD BANK	20
ANAESTHSIA	27
EMT	28
X-RAY	30
DSA	26
OPHTHALMOLOGY	23
Total Grand	272

VALIDATION OF CURRICULUM USED IN THE TRAINING:

The PMU-BBSHRRDM-JPMC has all the contents courses and detailed scheme of lessons used for the training of the youth program.

1. DISPENSER
2. OPERATION THEATRE TECHNICIAN
3. LABORATORY TECHNICIAN
4. BLOOD BANK TECHNICIAN
5. X – RAY TECHNICIAN
6. DENTAL SURGERY ASSISTANT
7. ANESTHESIA TECHNICIAN
8. EMERGENCY MEDICAL TECHNICIAN
9. OPHTHALMOLOGY

VALIDATED TRAINING DELIVERY:

- All training was organized as per agreement with BBSHRRDB.
- The sessions planned properly before scheduled of the training and confirmed from the available schedules at the training venue and also confirmed by the trainers/experts.
- Developed material also verified during the visit of institute
- Trainers confirmed and asked that sessions were designed for the trainees followed by the practical sessions.

A sample session plan described below:

- All the sessions at the end of every month were evaluated and tests were conducted from the trainees in their respective institute. These tests provided valuable feedback.
- The trainees were assessed by the master trainers/experts in accordance with predetermined evaluation requirements, as well as the management combined opinion.

VERIFIED TRAINING COMPLETION

- The record was collected for the verification and confirmed that total batches and duration of the training. The record was available batch wise at the center and confirmed attendance of participants, during the training, and lesson plans.
- During the meeting, it was also confirmed that 272 registered for the training and attendance sheet also verified.
- It was really appreciated efforts of the management of JPMC because schedules of the examination also checked and exams were held as per plan. All the trainees received respective certificates timely.

CHECK AND VERIFICATION OF THE INSTITUTION CERTIFICATION:

- JPMC is one of the reputed Medical University of Pakistan and is degree awarding institute so certificates were awarded by the concern institute.
- Verified 40% employment of the Graduates (self or wage employment):

- The most important aspects of the youth skill development programs is job creation and following is a breakdown of the current status of the graduate trainees.
- Support for graduated trainee’s employment: The authorities stated that the program assisted trainees in identifying appropriate work advertisements, and the vast majority of trainees confirmed. The authorities have stated that the program assisted with work applications and job interview training, which a large majority of trainees agree with.

Designed Courses for the Trainees Subject Wise:

Table-04: 1. Dispenser’s Course - Outline

Theory - Part - 01	Practical - Part - 02
<ul style="list-style-type: none"> • General pharmacology • Systemic pharmacology • Therapeutics & chemotherapy • Handling of emergencies 	<ul style="list-style-type: none"> • Introduction • Weights and measure • Labeling and packing of drugs • Percentage of solution i. Prepare 0.5% Potassium Permanganate solution ii. Prepare 1:2000 Potassium Permanganate solution iii. Prepare 0.5% Permanganate solution from stock solution 2% iv. Prepare Iugol’s Iodine sol. B.P v. Prepare 5% Dextrose in saline solution
<p>Objectives:</p> <ol style="list-style-type: none"> 1. Overview of the Human Anatomy 2. Overview of the Human Physiology 3. Various routes for administration of drugs 4. Common disease and their concerned drugs 5. Handling of common medical emergencies 6. Identification and use of instruments used in 	<p>External Preparation</p> <ul style="list-style-type: none"> • Sulphur ointment • Zinc Oxide ointment • Lotions – Calamine lotion • Liniments – Turpentine liniment • Liquids preparation • Mixtures – Carminatives mixtures

Theory - Part - 01	Practical - Part - 02
<p>wards and operation theatre</p> <p>7. Sterilization and Dis-infection of instruments</p> <p>8. Identification and preparation of various drugs formulation</p>	<ul style="list-style-type: none"> • Suspension – Kaolin suspension
<p><u>PHARMACY</u></p> <ul style="list-style-type: none"> • Introduction of the subject • Pharmacology and its branches • Definitions used in Pharmacy, student can understand the terminology • Weights and measure, student should know the different systems of measurement • Common terminology (Used in wards and laboratory) • Duties of dispensers – students should be told limit of responsibilities • Instruments used in Pharmacy • Sterilization – types of sterilization + methods of sterilization • Antiseptic and disinfectant • Pharmacy – name of the drugs and types • Percentage of solutions • Prescription and abbreviation 	<p>Powder</p> <ul style="list-style-type: none"> • Simple powder • Compound powder
<p><u>GENERAL PHARMACOLOGY</u></p> <ul style="list-style-type: none"> • Vaccination – definition and types of vaccine, how these vaccines are formed and work • EPI – Measles, Polio, Diophtheria, Purtussis, Tetanus, BCG • Vaccination schedule • Routes of administration – classification, merits and demerits 	

Theory - Part - 01	Practical - Part - 02
<ul style="list-style-type: none"> Factors modifying Dose/ action of drug 	
<p><u>SYSTEMIC PHARMACOLOGY</u></p> <p>I – (G.I.T) – Etiology, sign and symptoms and treatment of G.I.T disease</p> <ul style="list-style-type: none"> Peptic ulcer – Antacids Anti-ulcer drugs Motility agents <ol style="list-style-type: none"> Emetics & Anti Emetics Antidiarrheal Purgatives <ul style="list-style-type: none"> Treatment of Amoebiasis <p>II- Respiratory System</p> <ul style="list-style-type: none"> Introduction of respiratory system Expectorant and Antitussive drugs Bronchitis – Etiology, sign, symptoms and treatment Pneumonia – Etiology, sign, symptoms, treatment Asthma – Etiology, sign, symptoms, treatment Tuberculosis – Etiology, sign, symptoms, treatment <p>III – C.N.S</p> <ul style="list-style-type: none"> Introduction of C.N.S Sedatives Analgesics Narcotics and non-Narcotics Antipyretics <p>A.N. S</p> <ul style="list-style-type: none"> Drugs acting on A.N.S 	

Theory - Part - 01	Practical - Part - 02
<ul style="list-style-type: none"> • Adrenaline • Non – adrenaline • Dopamine • Ephedrine • Salbutamol <p>IV – C.V.S</p> <ul style="list-style-type: none"> • Drugs acting on C.V.S • Anti-hypertensive drugs – student should know the normal and raised B.P its treatment • Angina – raised B.P its treatment what is angina, its causes and treatment • C.C.F Congestive Cardiac Failure etiology, sign, symptoms, treatment <p>V- Blood</p> <ul style="list-style-type: none"> • Physiology of blood • Blood grouping • Blood transfusion • Co – aggulation and Anti – Coagulation • Jaundice – types and treatment <p>THERAPEUTICS</p> <p>Mode of action, indication, contra – indication and side effect of</p> <ol style="list-style-type: none"> i. Penicillin ii. Tetracycline iii. Cephalosporin iv. Amino glycosides v. Macrolides vi. Sulphonamides vii. Treatment of Meningitis – causes, sign, symptoms and treatment 	

Theory - Part - 01	Practical - Part - 02
<p>viii. Treatment of Malaria – life cycle and treatment</p> <p>E- HANDLING OF EMERGENCIES</p> <ul style="list-style-type: none"> • Heart Attack • Treatment of Poisons • Snake bite • Morphine poisoning • Barbiturate poisoning • Alcohol poisoning • Strychnine poisoning • Acid poisoning • Road traffic accidents • Heat stroke • Burns • Incompatibility • Shock – types and treatment • First aid 	

2. O.T TECHNICIAN

Theory	Practical
<p>OPERATION THEATRE</p> <ul style="list-style-type: none"> • Introduction • Organization • Discipline • Dressing, scrubbing, gowning, gloving <p>STERILIZATION</p> <ul style="list-style-type: none"> • Definition • Different methods of sterilization • Sterilization of different equipments 	<p>Rotation of at least two months in General Surgery Theatre & one month in other theatres including Gynae, Orthopedics, ENT, Eye, Neurosurgery, Pediatric Surgery, Vascular surgery, Plastic Surgery, Cardiac Surgery & Emergency Theatre.</p>

<p>DUTIES OF O.T TECHNICIAN</p> <p>OPERATION TABLE</p> <ul style="list-style-type: none">• Parts & Adjustment• Positions for different operation• Diathermy <p>ANAESTHESIA</p> <ul style="list-style-type: none">• Definition• Anaesthetic Equipment• General Anaesthesia• Spinal Anaesthesia• Regional anaesthesia <p>INSTRUMENTS</p> <ul style="list-style-type: none">• General surgery• Abdominal surgery• Head & Neck Surgery• Chest surgery• Genitourinary surgery• Orthopedic surgery• ENT surgery• Gynae & obs. Surgery• Eye surgery• Neurosurgery• Vascular surgery <p>COMMON SURGICAL PROCEDURES IN BRIEF</p> <ul style="list-style-type: none">• General surgery• Gynae & obs• Orthopedic surgery• ENT surgery• Eye surgery• Neurosurgery• Vascular surgery	
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--

3. LABORATORY

Theory	Practical
<p>ANATOMY AND PNHYSIOLOGY</p> <p>Basic principles - Human skeleton – Short description of principal muscles – General ideas about brain – cranial and spinal nerves. Brief description of viscera and internal organs of special senses. Physiology of Respiratory, Circulatory, Digestive Urinary and Nerous System.</p> <p>LABORATORY</p> <p>General – Hot air – Autoclave – Chemical</p> <p>BACTERIOLOGY</p> <p>General – Basic principles – Bacteriology of Tuberculosis different methods of demonstrating – Tubercular – B.C.G</p> <p>PARASITOLOGY</p> <p>General – Diseases caused by Parasites – Laboratory methods.</p> <p>MEDIA</p> <p>General – Principles of media making</p> <p>CHEMICAL SOLUTIONS</p> <p>General – Preparation – their use in the Laboratory.</p> <p>HAEMATOLOGY</p>	<p>LABORATORY/PROCESSES</p> <p>Concentration, incubation, culture, animal inoculations, collection of specimen, staining techniques, care of laboratory equipment and glass wares.</p>

Theory	Practical
<p>General – Red and White Blood Cell count – Differential ESR, bleeding & clotting time.</p> <p>BIOCHEMISTRY</p> <p>General – Blood – Urine etc. Blood Sugar, Blood Urea, Serum, Bilirubin</p> <p>SEROLOGY</p> <p>Widal Test, Kahn’s Test</p>	

4. BLOOD BANK – TRANSFUSSION

Theory	Practical
<p>BOOKS RECOMMENDED</p> <ul style="list-style-type: none"> • A text book of blood Banking and transfusion medicine by U.H Talib/AD Dutta Safe Blood and Blood products + safe blood donation module. • + Module 2 – Screening for HIV & other infectious agents. • (Published by World Health Organization) • Safe Blood and Blood products (Trainer’s guide) • (Published by World Health Organization) • Safe Blood and Blood products • Introductory Module – guidelines and principles for safe blood transfusion 	<p>PRACTICAL KNOWLEDGE</p> <ol style="list-style-type: none"> 1. Blood Grouping. RH factor, Cross matching 2. Motivate people for donating blood 3. Camping and collection of blood 4. Safe transportation of collected blood to blood bank 5. Safe storage of blood in bags with Anticoagulant and at refered temperature 6. Selection of donors, Medical and Physical examination and proper history relating family donors to be prepared and professional donors to be rejected 7. Proper screening of blood collected particularly (HIV, Hbs, HCV, VDRL,MP, HB estimation, Blood CP, ESR for detecting

Theory	Practical
<p>practice. (Published by World Health Organization)</p>	<p>any other blood dyscrasis (disease) like Anemia, Theleseemia, Haemophilia, Leukaemia, Thrombocytopenia, Polycythaemia etc.)</p> <p>8. Proper sterilization of instruments used in Laboratory</p> <p>9. Knowledge of safe disposable of syringes and bags etc</p> <p>10. Proper knowledge of instruments used in Blood Bank. Eg. Slides, Test Tubes, Microscope, Elisa, Centrifuge Machine, Sahlis Haemoglobinometer.</p> <p>Minimum Qualification of Trainee Technician Inter Science (Medical Group)</p>

5. X – RAY :

Theory	Practical
<p>SECTION – I</p> <p>Physics</p> <ol style="list-style-type: none"> 1. Introduction of X- rays & production of X- rays (X – ray Tube) 2. Generators, Transformers, Rectifiers 3. Physics of Radiographic image & its formation 4. Radiographic factors 5. Operation of X-ray machine 6. Grinds and prevention of scattered radiation 7. X-rays films, cassettes & intensifying screens : their construction and uses 	<p>SECTION – II</p> <p>Procedures</p> <ol style="list-style-type: none"> 1. Contrast media: their reactions and prevention 2. Barium Swallow: meal, follow, through & enema, procedure & preparation 3. Oral cholecystography: procedure 4. T- tube cholangiography: procedure 5. Sialography: procedure 6. IVP: procedure & preparation 7. Urethrograms : types & procedures 8. Myelography: procedure 9. Hysterosalpingography

Theory	Practical
8. Chemicals and film processing 9. Film faults 10. Dark room: manual & automatic 11. Some special Radiographic techniques. Image intensifier & Tomography 12. Radiation hazards & protection	
SECTION – III Basic Anatomy <ol style="list-style-type: none"> 1. Bones – Skeleton 2. Gastrointestinal tract, spleen & other ductless glands 3. Urinary system 4. Reproductive organs 5. Respiratory & Circulatory system 	SECTION - IV Radiographic Positioning <ol style="list-style-type: none"> 1. Upper limb 2. Lower limb 3. Vertebral column 4. Chest 5. Skull & Facial bones

6. DENTAL SURGERY ASSISTANT

Theory	Practical
<u>DENTAL ANATOMY AND PHYSIOLOGY</u> <ol style="list-style-type: none"> 1. Basic knowledge of cranium and skeleton of face 2. General anatomy of mandible and muscles of mastication 3. Basic knowledge of oral cavity and hard palate 4. Salivary glands early development of teeth 5. Dentition – deciduous, permanent and mixed 1- Dates of eruption of teeth 2- Structure of teeth and function of these 	<u>DENTAL ASSISTANTS SKILLS</u> <ol style="list-style-type: none"> 1. Use and care of motor dental chair and unit 2. Names and function of different used in dentistry 3. Maintenance of instruments 4. Names, uses and manipulation of dental material 5. Mixing of plaster and making of models 6. Knowledge of sterilization and various methods of sterilization 7. Assistant in dental health education

Theory	Practical
<p>structures</p> <p>3- Function of teeth</p> <p>4- Morphology of teeth</p> <p>5- Peridontium</p>	
<p>Basic Anatomy</p> <p>6. Bones – Skeleton</p> <p>7. Gastrointestinal tract, spleen & other ductless glands</p> <p>8. Urinary system</p> <p>9. Reproductive organs</p> <p>10. Respiratory & Circulatory system</p>	

7. ANESTHESIA TECHNICIAN

Theory	Practical
<p>Details of the syllabus given below</p> <p>1 general survey of human body – soft part & bony components</p> <p>2 general survey of human skeleton with emphasis on neck, thoracic cage & joints</p> <p>3 C.V.S Venous drainage. Neck – upper limb, lower limb</p> <p>4 C.V.S Heart arterial system</p> <p>5 Resp system, upper airway, nose, mouth, Larynx, Pharynx</p> <p>6 Respiration System, lower airway – Trachea – Lungs</p>	<p>a- EQUIPMENTS</p> <ul style="list-style-type: none"> • To get familiarized and acquainted with the working of • Anesthesia machine/ apparatus • Ventilators • Blood pressure monitor / apparatus • ECG monitor • Pulse Oxymeter • Other monitor eg. CVP • Other equipment's eg. Syr. Pumps • Laryngoscopes • L.M Airway & other airways

Theory	Practical
<p>7 Respiration system, some details of throat with all its all organs & organization of all chest visera.</p> <p>8 Abdomen – Gen survey, abd, wall, organization of abdominal visera</p> <p>9 Abdomen – some detail of abd. Visera</p> <p>10 Perineum – survey & land marks</p> <p>11 Upper limb</p> <p>12 Lower limb</p> <p>13 Head & Neck</p> <p>14 CNS, Brain, body supply, component etc</p> <p>15 Autonomic Nervous system</p> <p>16 Dermatomes – Gen, outlook</p> <p>17 Vertebral column</p> <p>18 Spinal cord</p> <p>19 Meninges , CSF</p> <p>20 Anatomical positions during surgery their consequences and sequileae</p>	<ul style="list-style-type: none"> • All anesthesia ancillaries / circuits • Suction apparatus • Medical gas supply / source eg. O2 & N2O supply (Cylinders, Manifold, Pipeline)
<p>2- PHYSIOLOGY</p> <p>2-1 cell & its functions</p> <p>2-2 composition of body fluids</p> <p>2-3 body fluid compartments</p> <p>2-4 Movement of fluids & substances between compartments</p> <p>2-5 cell membrane & membrane potential</p> <p>2-6 Sodium & Potassium distribution</p> <p>2-7 Acidosis, Alkalosis, PH & buffers</p> <p>2-8 Nerve Cell, Electrical phenomena</p> <p>2-9 Skeletal muscle, electrical phenomena</p> <p>2-10 NMJ & 10 NIC fluxes</p> <p>2-11 Respiration – pulmonary functions</p>	<p>b- PROCEDURES</p> <p>To get familiarized & acquainted with the practical procedure of</p> <ul style="list-style-type: none"> • Intravenous anaesthesia • Inhalational induction • Balanced anaesthesia • I.V lines/C.V P lines /Art. Lines • Endotracheal intubation • Spinal anaesthesia • Epidural anaesthesia • Different positions of patients • I.V infusions

Theory	Practical
<p>2-12 Gas exchange in lungs & gas transport</p> <p>2-13 Control of respiration</p> <p>2-14 Applied resp. Physiology, hypoxia cyanosis, hypercarbia, effect of exercise.</p> <p>2-15 Oxygen treatment, artificial ventilation</p> <p>2-16 Cardiovascular system, circulation of blood</p> <p>2-17 CVS Origin of heart beat, spread of electrical activity ECG</p> <p>2-18 Cardiac cycle cardiac output</p> <p>2-19 Regulatory Mechanism of CVS</p> <p>2-20 Heart Failure, Shock , Hypertension, Hypotension</p> <p>2-21 Autonomic out flow – Anatomic survey</p> <p>2-22 Chemical transmission at autonomic junction</p> <p>2-23 CNS – General survey & introduction</p> <p>2-24 CNS – General survey & different components</p> <p>2-25 Endocrine system – Introduction</p> <p>2-26 Thyroid glands, hyper & hypo function – Gen survey</p> <p>2-27 Pancreas – Diabetes, insulin, Hyperglycemia, & Hypoglycemia – Gen survey</p> <p>2-28 Adrenal Medula & cortex – Adrenaline etc. – Gen survey</p> <p>2-29 Calcium metabolism & pituitary gland hormones</p> <p>2-30 Metabolism – Gen survey</p> <p>2-31 Digestion & Absorption – Gen survey</p> <p>2-32 Regulation of gastrointestinal functions and liver function</p> <p>2-33 Renal system – Gen survey</p> <p>2-34 Functional Anatomy of renal system</p>	<ul style="list-style-type: none"> • Blood transfusion • Principles of CPR & BLS • Maintenance of gas cylinders & ancillary equipments • Maintenance & disinfection of anaesthesia circuits & equipments

Theory	Practical
2-35 otherfunctions of kidney – Renin, Angiotensin 2-36 Effect of renal function disorders	
<p>3- PHARMACOLOGY</p> 3-1 introduction to Pharmacology Pharmacodynamics and Pharmacokinetics 3-2 General principles, Importance of labeling & dosage. 3-3 Drugs used in Premedication – Sedatives antisiologues 3-4 I.V induction agents 3-5 I.V induction agents 3-6 Inhalational agents, short survey of earlier agents and present agents used 3-7 Inhalational agents 3-8 Muscle relaxants 3-9 Muscle relaxants 3-10 Analgesics basic classification 3-11 Analgesics, peri operative use 3-12 Analgesics Post – op use 3-13 Sedatives – in Post op. use 3-14 N.M.J reversal drugs 3-15 Drugs used as adjuvant & during anaesthesia eg . Atropine 3-16 Important drugs – I – (For Resuscitation Adv. Solucortif Calci . Hco3) 3-17 Important drugs – II 3-18 Miscellaneous drugs, Drugs interactions 3-19 Local Analgesic / anaesthetic drugs, Xylocain 3-20 Drugs used I spinal and epidural anaesthesia	<p>c- PATIENT CARE</p> <ul style="list-style-type: none"> • Pre- anaesthetic patient management, identification files check, medication, etc. • Preoperative care, monitoring, fluid balance, urine output, care of lines, care of eyes, limbs, airways etc. • Post operative care and management’s airway maintenance, pain management, secretions etc. transfer to recovery room or ward.
<p>4- PHYSICS & EQUIPMENTS</p>	

Theory	Practical
4-1 Introduction & importance of physics in Anaesthesia 4-2 Gas laws 4-3 Principles of flow meter 4-4 Vaporization & Vaporizers 4-5 Pressure reducing in anaesthesia 4-6 Gases used in anaesthesia 4-7 Gas supply to anasth. Machine 4-8 Different anaesth. Circuits 4-9 Anaesthesia Machine 4-10 Ventilators – Gen Survey/ Principle	
4- PATHOLOGY 5-1 Gen. Understanding of Path physiology of different disease 5-2 Gen. Survey of malfunctioning of non-function of different body organs 5-3 Gen. Survey of malfunctioning or non-function of different body organs 5-4 Gen. Survey of malfunctioning or non-function of different body organs 5-5 Gen. Survey of malfunctioning or non-function of different body organs	

8. EMERGENCY MEDICAL TECHNICIAN COURSE

<ul style="list-style-type: none"> ▪ Emergency trauma center 	<ul style="list-style-type: none"> ▪ First aid and first aid kit
<ul style="list-style-type: none"> ▪ Triage 	<ul style="list-style-type: none"> ▪ Disaster
<ul style="list-style-type: none"> ▪ Fracture 	<ul style="list-style-type: none"> ▪ Shock – coma

▪ Dehydration	▪ Burn scald
▪ Electric burn	▪ Stroke
▪ Angina pectoris	▪ Heart attack
▪ C.P.	▪ Dog bite (rabies)
▪ Obstetrics emergencies	▪ Hanging and strangulation
▪ Epistaxis	▪ Copper sulphate
▪ Head injury	▪ Geriatrics emergencies
▪ Spinal injury	▪ Insect bite
▪ Poisoning	▪ Sprain and strain
▪ Sulphric acid burn	▪ Bleeding/ hemorrhage
▪ Snake bite – scorpion sting	▪ Dislocation
▪ Muscular injuries	▪ Phosphorous compound poisoning pesticides spray poisoning
▪ Drowning	▪ Sun / heat stroke

9. Ophthalmology

Anatomy and Physiology of The Eye

OBJECTIVES	CONTENT	HOURS
Anatomy of the human eye & Adnesa	Terms, Definitions, & Functions	1-2 Hours
Structure of the Eyelid	Skin, Muscle Tarsal plate Conjunctiva & Function of Eyelid	
Orbit	Bones, Fissures & Contents: Extra ocular Muscles, their functions Fixation, Fusion, Binocular Vision	
Eye Ball	Anatomy & Structure	1-2 Hours
<u>Three Layers:</u>		

OBJECTIVES	CONTENT	HOURS
	<p>Comea:</p> <p>Layers</p> <p>Avascularity</p> <p>Transparency & Oedema</p> <p>Role of Endothelium</p> <p>Tear Film</p> <p>Middle Uveal Layer:</p> <p>(Iris, Ciliary Body, Choroid)</p> <p>Blood Vessels</p> <p>Pigment Cells</p> <p>Muscle Fibres</p> <p>Retina (Neuro-Sensory retina)</p> <p>Retinal pigment epithelium</p>	Two Hours
Pupil	<p>Pupillary Pathways and Light Reflexes</p> <p>(Direct and Consensual)</p>	Two Hours

OCULAR EXAMINATION TECHNIQUES & DIAGNOSTIC TESTS.

OBJECTIVES	CONTENT	HOURS
Accurate History Taking	Basics & Techniques of History Taking	One Hour
<u>TOPICS:</u>		

OBJECTIVES	CONTENT	HOURS
Accurate History Taking	Basics & Techniques of History Taking	One Hour
	1. Loss OF Vision 2. Pain in & around the Eye 3. Abnormal Discharge 4. Abnormal Appearance	
Learn to Check & Record Visual Acuity	Visual Acuity Testing (in Adults & Children & Recording (For distance & near) (with & without Glasses) Pinhole Test & its Significance	One Hour
External Ocular Examination	With Focal Illumination, Binomag & Slkit lamp i) Lids – Position Of Lashes & Lid Margin, Cysts & Blepharitis ii) Lacrimal Sac Regurgitation Test iii) Upper Lid Evertion iv) Corneal Examination for, a) Coneal Light Reflexes b) Transparency c) Nothing the site, Size & Density of Opacity d) Fluorescein Staining V) Pupillary Light Reflexes & the Pathway, (& Swinging Flash Light Test)	
Internal Ocular Examination	Anterior Segment Examination <ul style="list-style-type: none"> • Comea (& Staining) • Anterior 	One Hour

OBJECTIVES	CONTENT	HOURS
Accurate History Taking	Basics & Techniques of History Taking	One Hour
	<ul style="list-style-type: none"> ○ Depth ○ Aqueous ○ Flare & Cells ● Iris & Pupil ● Lens 	
Ophthalmology	Direct Distant Ophthalmoscopy for: Red Reflex Opacities in Media	
Intraocular Pressure Measurement	Digital Indentation(Schiotz) Applanation (Goldmann, Tonopen)	

KNOWLEDGE OF INSTRUMENT THEIR CARE AND MAINTAINANCE

- Torch
- Binomag
- Ophthalmoscope
- Indirect Ophthalmoscope & Lenses
- Slit Lamp & Accessories
- Tonometer (Schiotzm, Goldmann)
- Goniolens
- Mirror Lens
- 78 D (90 D) Lens
- Laser Lenses
- Goldmann Perimeter
- Ultrasound Scanner
- Surgical Instruments
- Operating Microscope
- Vasectomy Machine
- Phacoemulsification Machine

DISEASE AND DISORDERS OF THE EYE

OBJECTIVES:

The Ophthalmic Technicians should be able to:

Recognized most of the common eye diseases,

Table-05: List of Trainees

Trade: Anesthesia Technician

S#	Name	CNIC	Trade	Gender	Validation of Tutors	Validation of Curriculum	Validation of Training Delivery	Validation of Training Completion	Validation of Certification
1	Ali Hamza Armani	4230118651045	Anesthesia Technician	Male	√	√	√	√	√
2	Eliyah Pervaiz	4230103800315	Anesthesia Technician	Male	√	√	√	√	√
3	Faraz	4230137277317	Anesthesia Technician	Male	√	√	√	√	√
4	HAMID ALI	3460178861989	Anesthesia Technician	Male	√	√	√	√	√
5	Kamran Ahmed	4240185200375	Anesthesia Technician	Male	√	√	√	√	√
6	Maira Naz	4220152533906	Anesthesia Technician	Female	√	√	√	√	√
7	Mirza Khan	4240184107019	Anesthesia Technician	Male	√	√	√	√	√
8	Muhammad Ayub	4240144510289	Anesthesia Technician	Male	√	√	√	√	√
9	Muhammad Bilwal	4210152802305	Anesthesia Technician	Male	√	√	√	√	√
10	Muhammad Danish Umair	4230174169633	Anesthesia Technician	Male	√	√	√	√	√
11	Muhammad	4230101675065	Anesthesia	Male	√	√	√	√	√

THIRD PARTY VALIDATION REPORT – School of Paramedics –JPMC Karachi

S#	Name	CNIC	Trade	Gender	Validation of Tutors	Validation of Curriculum	Validation of Training Delivery	Validation of Training Completion	Validation of Certification
	Essa		Technician						
12	Muhammad Ibrar Hussain	4230132571633	Anesthesia Technician	Male	√	√	√	√	√
13	Muhammad Ikram	4210107611885	Anesthesia Technician	Male	√	√	√	√	√
14	Ali Hamza Armani	4230118651045	Anesthesia Technician	Male	√	√	√	√	√
15	Eliyah Pervaiz	4230103800315	Anesthesia Technician	Male	√	√	√	√	√
16	Faraz	4230137277317	Anesthesia Technician	Male	√	√	√	√	√
17	HAMID ALI	3460178861989	Anesthesia Technician	Male	√	√	√	√	√
18	Kamran Ahmed	4240185200375	Anesthesia Technician	Male	√	√	√	√	√
19	Maira Naz	4220152533906	Anesthesia Technician	Female	√	√	√	√	√
20	Mirza Khan	4240184107019	Anesthesia Technician	Male	√	√	√	√	√
21	Muhammad Ayub	4240144510289	Anesthesia Technician	Male	√	√	√	√	√
22	Muhammad Bilwal	4210152802305	Anesthesia Technician	Male	√	√	√	√	√
23	Muhammad Danish Umair	4230174169633	Anesthesia Technician	Male	√	√	√	√	√
24	Muhammad Essa	4230101675065	Anesthesia Technician	Male	√	√	√	√	√

THIRD PARTY VALIDATION REPORT – School of Paramedics –JPMC Karachi

S#	Name	CNIC	Trade	Gender	Validation of Tutors	Validation of Curriculum	Validation of Training Delivery	Validation of Training Completion	Validation of Certification
25	Muhammad Ibrar Hussain	4230132571633	Anesthesia Technician	Male	√	√	√	√	√
26	Muhammad Ikram	4210107611885	Anesthesia Technician	Male	√	√	√	√	√
27	Ali Hamza Armani	4230118651045	Anesthesia Technician	Male	√	√	√	√	√
28	Elijah Pervaiz	4230103800315	Anesthesia Technician	Male	√	√	√	√	√
29	Faraz	4230137277317	Anesthesia Technician	Male	√	√	√	√	√

Blood Bank Technician

S#	Name	CNIC	Trade	Gender	Validation of Tutors	Validation of Curriculum	Validation of Training Delivery	Validation of Training Completion	Validation of Certification
30	Ali Haider	4220122283111	Blood Bank Technician	Male	√	√	√	√	√
31	Areeba Khan	4220103671704	Blood Bank Technician	Female	√	√	√	√	√
32	Ayesha Kiran	4250172040974	Blood Bank Technician	Female	√	√	√	√	√
33	Hoor Ul Ain Muqadas	4210149774286	Blood Bank Technician	Female	√	√	√	√	√

THIRD PARTY VALIDATION REPORT – School of Paramedics –JPMC Karachi

S#	Name	CNIC	Trade	Gender	Validation of Tutors	Validation of Curriculum	Validation of Training Delivery	Validation of Training Completion	Validation of Certification
34	Jessie Jessica	4220148423080	Blood Bank Technician	Female	√	√	√	√	√
35	Maha Gul	4250136499240	Blood Bank Technician	Female	√	√	√	√	√
36	Moiz Ahmed	4220186896061	Blood Bank Technician	Male	√	√	√	√	√
37	Mubbashir Ahmed	4210147396715	Blood Bank Technician	Male	√	√	√	√	√
38	Muhammad Arslan	4420344957889	Blood Bank Technician	Male	√	√	√	√	√
39	Muhammad Talha	4220193945897	Blood Bank Technician	Male	√	√	√	√	√
40	Muzamil Hayat	4240170640409	Blood Bank Technician	Male	√	√	√	√	√
41	Saba Manzoor	4140617965148	Blood Bank Technician	Female	√	√	√	√	√
42	Samantha Marry	4230185725070	Blood Bank Technician	Female	√	√	√	√	√
43	Shahrose Tasneem	4230138452477	Blood Bank Technician	Male	√	√	√	√	√
44	Shahzad Moin	4220144850295	Blood Bank Technician	Male	√	√	√	√	√
45	Shan Zaman	4200052256281	Blood Bank Technician	Male	√	√	√	√	√

Dental Technician

S#	Name	CNIC	Trade	Gender	Validation of Tutors	Validation of Curriculum	Validation of Training Delivery	Validation of Training Completion	Validation of Certification
1	Umaima	4230177670768	Dental Technician	Female	√	√	√	√	√
2	Zeeshan Ali	4160106262979	Dental Technician	Male	√	√	√	√	√
3	Abdur Rahman	4240177497711	Dental Technician	Male	√	√	√	√	√
4	Abu Muzamil	4220158074767	Dental Technician	Male	√	√	√	√	√
5	Amna	4220195981160	Dental Technician	Female	√	√	√	√	√
6	Bilal Wahid	4250183474585	Dental Technician	Male	√	√	√	√	√
7	Faraz Manzoor	4230169584677	Dental Technician	Female	√	√	√	√	√
8	Farmeen	4240139286874	Dental Technician	Male	√	√	√	√	√
9	Ghulaam Mohammad	4530365725615	Dental Technician	Male	√	√	√	√	√
10	Isbah Ejaz	4220131895434	Dental Technician	Male	√	√	√	√	√
11	Kamran ali	4220198090619	Dental Technician	Male	√	√	√	√	√
12	Kelash	4430258884779	Dental Technician	Male	√	√	√	√	√
13	Muhammad	4240193084427	Dental	Male	√	√	√	√	√

THIRD PARTY VALIDATION REPORT – School of Paramedics –JPMC Karachi

S#	Name	CNIC	Trade	Gender	Validation of Tutors	Validation of Curriculum	Validation of Training Delivery	Validation of Training Completion	Validation of Certification
	Adil		Technician						
14	Muhammad Aqdas Ali Samoo	4230103019551	Dental Technician	Male	√	√	√	√	√
15	Muhammad Arif	4220136715125	Dental Technician	Male	√	√	√	√	√
16	Muhammad Farooq	4230148979359	Dental Technician	Male	√	√	√	√	√
17	Umaima	4230177670768	Dental Technician	Female	√	√	√	√	√
18	Zeeshan Ali	4160106262979	Dental Technician	Male	√	√	√	√	√
19	Abdur Rehman	4240177497711	Dental Technician	Male	√	√	√	√	√
20	Abu Muzamil	4220158074767	Dental Technician	Male	√	√	√	√	√
21	Amna	4220195981160	Dental Technician	Female	√	√	√	√	√
22	Bilal Wahid	4250183474585	Dental Technician	Male	√	√	√	√	√
23	Faraz Manzoor	4230169584677	Dental Technician	Female	√	√	√	√	√
24	Farmeen	4240139286874	Dental Technician	Male	√	√	√	√	√
25	ghulaam mohammad	4530365725615	Dental Technician	Male	√	√	√	√	√
26	Isbah Ejaz	4220131895434	Dental	Male	√	√	√	√	√

THIRD PARTY VALIDATION REPORT – School of Paramedics –JPMC Karachi

S#	Name	CNIC	Trade	Gender	Validation of Tutors	Validation of Curriculum	Validation of Training Delivery	Validation of Training Completion	Validation of Certification
			Technician						
27	kamran ali	4220198090619	Dental Technician	Male	√	√	√	√	√
28	Kelash	4430258884779	Dental Technician	Male	√	√	√	√	√
29	Muhammad Adil	4240193084427	Dental Technician	Male	√	√	√	√	√
30	Muhammad Aqdas Ali Samoo	4230103019551	Dental Technician	Male	√	√	√	√	√
31	Muhammad Sufyan	4200094625723	Dental Technician	Male	√	√	√	√	√
32	Nashaf Syed	4240106291232	Dental Technician	Female	√	√	√	√	√
33	Naveed Ur Rehman	4240122254491	Dental Technician	Male	√	√	√	√	√
34	Nida Ansar	4230197414902	Dental Technician	Female	√	√	√	√	√
35	Raja Arslan Khan	4200055596409	Dental Technician	Male	√	√	√	√	√
36	Sadaf	4230145206930	Dental Technician	Female	√	√	√	√	√
37	Sana Ali	4240173209404	Dental Technician	Female	√	√	√	√	√
38	Shahid Sarwar	4240182403709	Dental Technician	Male	√	√	√	√	√
39	Sobia Asghar	4220148232074	Dental	Female	√	√	√	√	√

THIRD PARTY VALIDATION REPORT – School of Paramedics –JPMC Karachi

S#	Name	CNIC	Trade	Gender	Validation of Tutors	Validation of Curriculum	Validation of Training Delivery	Validation of Training Completion	Validation of Certification
			Technician						
40	Suresh	4440444564661	Dental Technician	Male	√	√	√	√	√
41	Taha Bin Arif	4210129671521	Dental Technician	Male	√	√	√	√	√
42	Zahid Khan	4240108589771	Dental Technician	Male	√	√	√	√	√
43	Muhammad Sufyan	4200094625723	Dental Technician	Male	√	√	√	√	√
44	Nashaf Syed	4240106291232	Dental Technician	Female	√	√	√	√	√
45	Naveed Ur Rehman	4240122254491	Dental Technician	Male	√	√	√	√	√
46	Nida Ansar	4230197414902	Dental Technician	Female	√	√	√	√	√
47	Raja Arslan Khan	4200055596409	Dental Technician	Male	√	√	√	√	√
48	Sadaf	4230145206930	Dental Technician	Female	√	√	√	√	√
49	Sana Ali	4240173209404	Dental Technician	Female	√	√	√	√	√
50	Shahid Sarwar	4240182403709	Dental Technician	Male	√	√	√	√	√
51	Sobia Asghar	4220148232074	Dental Technician	Female	√	√	√	√	√
52	Suresh	4440444564661	Dental Technician	Male	√	√	√	√	√

THIRD PARTY VALIDATION REPORT – School of Paramedics –JPMC Karachi

S#	Name	CNIC	Trade	Gender	Validation of Tutors	Validation of Curriculum	Validation of Training Delivery	Validation of Training Completion	Validation of Certification
53	Taha Bin Arif	4210129671521	Dental Technician	Male	√	√	√	√	√
54	Zahid Khan	4240108589771	Dental Technician	Male	√	√	√	√	√

Dispenser Technician

S#	Name	CNIC	Trade	Gender	Validation of Tutors	Validation of Curriculum	Validation of Training Delivery	Validation of Training Completion	Validation of Certification
1	Basheer Ali	4520204756415	Dispenser Technician	Male	√	√	√	√	√
2	Abdul Azeem Khan	4230142690213	Dispenser Technician	Male	√	√	√	√	√
3	Abdul Qayoom	4250150032917	Dispenser Technician	Male	√	√	√	√	√
4	Abdull Basit Tanoli	4230177065547	Dispenser Technician	Male	√	√	√	√	√
5	Basheer Ali	4520204756415	Dispenser Technician	Male	√	√	√	√	√
6	Abdur Rehman	4240143889405	Dispenser Technician	Male	√	√	√	√	√
7	Afnan Ahmedd	4240140962879	Dispenser Technician	Male	√	√	√	√	√
8	Areeba	4220163049832	Dispenser	Female	√	√	√	√	√

THIRD PARTY VALIDATION REPORT – School of Paramedics –JPMC Karachi

S#	Name	CNIC	Trade	Gender	Validation of Tutors	Validation of Curriculum	Validation of Training Delivery	Validation of Training Completion	Validation of Certification
			Technician						
9	Asad Aslam	4230127248967	Dispenser Technician	Male	√	√	√	√	√
10	Cheetan Das	4440222360945	Dispenser Technician	Male	√	√	√	√	√
11	Danish Iqbal	4240171213587	Dispenser Technician	Male	√	√	√	√	√
12	Danish Iqbal	4230142128825	Dispenser Technician	Male	√	√	√	√	√
13	DANIYAL	4120245531771	Dispenser Technician	Male	√	√	√	√	√
14	Dolat	4430343236107	Dispenser Technician	Male	√	√	√	√	√
15	Faizan Ahmed	4230182769437	Dispenser Technician	Male	√	√	√	√	√
16	Hafiz Anas Shakil	4220175898471	Dispenser Technician	Male	√	√	√	√	√
17	Hammad Ali	4240104944119	Dispenser Technician	Male	√	√	√	√	√
18	Jahangir Zada	4240194420303	Dispenser Technician	Male	√	√	√	√	√
19	Kainat	4250170585568	Dispenser Technician	Female	√	√	√	√	√
20	Meer Ahmed	4250154826255	Dispenser Technician	Male	√	√	√	√	√
21	Meharan	4120590083489	Dispenser Technician	Male	√	√	√	√	√

THIRD PARTY VALIDATION REPORT – School of Paramedics –JPMC Karachi

S#	Name	CNIC	Trade	Gender	Validation of Tutors	Validation of Curriculum	Validation of Training Delivery	Validation of Training Completion	Validation of Certification
22	Abdur Rehman	4240143889405	Dispenser Technician	Male	√	√	√	√	√
23	Afnan Ahmedd	4240140962879	Dispenser Technician	Male	√	√	√	√	√
24	Areeba	4220163049832	Dispenser Technician	Female	√	√	√	√	√
25	Asad Aslam	4230127248967	Dispenser Technician	Male	√	√	√	√	√
26	Cheetan Das	4440222360945	Dispenser Technician	Male	√	√	√	√	√

Emergency Medical Technician

S#	Name	CNIC	Trade	Gender	Validation of Tutors	Validation of Curriculum	Validation of Training Delivery	Validation of Training Completion	Validation of Certification
1	Fatima Batol	4220127941048	Emergency Medical Technician	Female	√	√	√	√	√
2	Fatima Zehra	4210163163382	Emergency Medical Technician	Female	√	√	√	√	√
3	Kashif Khan	4210162076421	Emergency Medical Technician	Male	√	√	√	√	√

THIRD PARTY VALIDATION REPORT – School of Paramedics –JPMC Karachi

S#	Name	CNIC	Trade	Gender	Validation of Tutors	Validation of Curriculum	Validation of Training Delivery	Validation of Training Completion	Validation of Certification
4	Mehmood Shah	4250153809179	Emergency Medical Technician	Male	√	√	√	√	√
5	Muhammad Ahsan Raza	4230129817763	Emergency Medical Technician	Male	√	√	√	√	√
6	Muhammad Anas	1350334760059	Emergency Medical Technician	Male	√	√	√	√	√
7	Muhammad Arif	4250126491221	Emergency Medical Technician	Male	√	√	√	√	√
8	Muhammad Arshad	4240108008787	Emergency Medical Technician	Male	√	√	√	√	√
9	Muhammad Ejaz Uddin	4220108434495	Emergency Medical Technician	Male	√	√	√	√	√
10	Muhammad Hamad Hassan	4240174175713	Emergency Medical Technician	Male	√	√	√	√	√
11	Muhammad Mazhar Abid	4230121885449	Emergency Medical Technician	Male	√	√	√	√	√
12	Muhammad Usama	4240109957657	Emergency Medical Technician	Male	√	√	√	√	√

THIRD PARTY VALIDATION REPORT – School of Paramedics –JPMC Karachi

S#	Name	CNIC	Trade	Gender	Validation of Tutors	Validation of Curriculum	Validation of Training Delivery	Validation of Training Completion	Validation of Certification
13	Muhammad Zain Ul Abedin	4230159409141	Emergency Medical Technician	Male	√	√	√	√	√
14	Owais Ur Rehman	4220126111831	Emergency Medical Technician	Male	√	√	√	√	√
15	Qamar Raza	4220181428095	Emergency Medical Technician	Male	√	√	√	√	√
16	Rimsha Khan	4220176718424	Emergency Medical Technician	Male	√	√	√	√	√
17	Fatima Batol	4220127941048	Emergency Medical Technician	Female	√	√	√	√	√
18	Fatima Zehra	4210163163382	Emergency Medical Technician	Female	√	√	√	√	√
19	Kashif Khan	4210162076421	Emergency Medical Technician	Male	√	√	√	√	√
20	Mehmood Shah	4250153809179	Emergency Medical Technician	Male	√	√	√	√	√
21	Muhammad Ahsan Raza	4230129817763	Emergency Medical Technician	Male	√	√	√	√	√

THIRD PARTY VALIDATION REPORT – School of Paramedics –JPMC Karachi

S#	Name	CNIC	Trade	Gender	Validation of Tutors	Validation of Curriculum	Validation of Training Delivery	Validation of Training Completion	Validation of Certification
22	Muhammad Anas	1350334760059	Emergency Medical Technician	Male	√	√	√	√	√
23	Muhammad Arif	4250126491221	Emergency Medical Technician	Male	√	√	√	√	√
24	Muhammad Arshad	4240108008787	Emergency Medical Technician	Male	√	√	√	√	√
25	Muhammad Ejaz Uddin	4220108434495	Emergency Medical Technician	Male	√	√	√	√	√
26	Muhammad Hamad Hassan	4240174175713	Emergency Medical Technician	Male	√	√	√	√	√
27	Muhammad Mazhar Abid	4230121885449	Emergency Medical Technician	Male	√	√	√	√	√
28	Muhammad Usama	4240109957657	Emergency Medical Technician	Male	√	√	√	√	√
29	Muhammad Zain Ul Abedin	4230159409141	Emergency Medical Technician	Male	√	√	√	√	√
30	Owais Ur Rehman	4220126111831	Emergency Medical Technician	Male	√	√	√	√	√

Lab Technician

S#	Name	CNIC	Trade	Gender	Validation of Tutors	Validation of Curriculum	Validation of Training Delivery	Validation of Training Completion	Validation of Certification
1	Dheeraj	4220145973369	Lab Technician	Male	√	√	√	√	√
2	Imran Khan	4420405239063	Lab Technician	Male	√	√	√	√	√
3	IQRA TARIQ	4240153873100	Lab Technician	Female	√	√	√	√	√
4	Irum Mulazim Hussain	4220153043214	Lab Technician	Male	√	√	√	√	√
5	JAVERIA	4240151685910	Lab Technician	Female	√	√	√	√	√
6	Kashif Allah Dita	3310233489281	Lab Technician	Male	√	√	√	√	√
7	Komal	4200089605206	Lab Technician	Male	√	√	√	√	√
8	Mahanoor	4250199790558	Lab Technician	Female	√	√	√	√	√
9	Mansoor Ali	4520665567883	Lab Technician	Male	√	√	√	√	√
10	Maqsood Ahmed	4530310828163	Lab Technician	Male	√	√	√	√	√
11	Mariyam Khan	4210189339630	Lab Technician	Female	√	√	√	√	√
12	Mirza Hammad	4220113570077	Lab	Male	√	√	√	√	√

THIRD PARTY VALIDATION REPORT – School of Paramedics –JPMC Karachi

S#	Name	CNIC	Trade	Gender	Validation of Tutors	Validation of Curriculum	Validation of Training Delivery	Validation of Training Completion	Validation of Certification
	Uddin Taimori		Technician						
13	Mohsin Rehman	4230154167925	Lab Technician	Male	√	√	√	√	√
14	Moinuddin	4530363596279	Lab Technician	Male	√	√	√	√	√
15	MUHAMMAD AMIR	4250118910837	Lab Technician	Male	√	√	√	√	√
16	Muhammad Banaras	4250194181453	Lab Technician	Male	√	√	√	√	√
17	Dheeraj	4220145973369	Lab Technician	Male	√	√	√	√	√
18	Imran Khan	4420405239063	Lab Technician	Male	√	√	√	√	√
19	IQRA TARIQ	4240153873100	Lab Technician	Female	√	√	√	√	√
20	Irum Mulazim Hussain	4220153043214	Lab Technician	Male	√	√	√	√	√
21	JAVERIA	4240151685910	Lab Technician	Female	√	√	√	√	√
22	Kashif Allah Dita	3310233489281	Lab Technician	Male	√	√	√	√	√
23	Komal	4200089605206	Lab Technician	Male	√	√	√	√	√
24	Mahanoor	4250199790558	Lab Technician	Female	√	√	√	√	√
25	Mansoor Ali	4520665567883	Lab Technician	Male	√	√	√	√	√

THIRD PARTY VALIDATIN REPORT – School of Paramedics –JPMC Karachi

S#	Name	CNIC	Trade	Gender	Validation of Tutors	Validation of Curriculum	Validation of Training Delivery	Validation of Training Completion	Validation of Certification
26	Maqsood Ahmed	4530310828163	Lab Technician	Male	√	√	√	√	√
27	Mariyam Khan	4210189339630	Lab Technician	Female	√	√	√	√	√
28	Mirza Hammad Uddin Taimori	4220113570077	Lab Technician	Male	√	√	√	√	√
29	Mohsin Rehman	4230154167925	Lab Technician	Male	√	√	√	√	√
30	Moinuddin	4530363596279	Lab Technician	Male	√	√	√	√	√
31	MUHAMMAD AMIR	4250118910837	Lab Technician	Male	√	√	√	√	√
32	Muhammad Banaras	4250194181453	Lab Technician	Male	√	√	√	√	√
33	Dheeraj	4220145973369	Lab Technician	Male	√	√	√	√	√

Ophthalmic Technician

S#	Name	CNIC	Trade	Gender	Validation of Tutors	Validation of Curriculum	Validation of Training Delivery	Validation of Training Completion	Validation of Certification
1	Muhammad Daniyal	4220142529915	Ophthalmic Technician	Male	√	√	√	√	√
2	Muhammad Kashif	4250123385213	Ophthalmic Technician	Male	√	√	√	√	√
3	Muhammad Yaseen	4220142505933	Ophthalmic Technician	Male	√	√	√	√	√
4	Muhammad Zain	4230191359631	Ophthalmic Technician	Male	√	√	√	√	√
5	Rabeia Noor	4230174467214	Ophthalmic Technician	Female	√	√	√	√	√
6	Rana Muhammad Shahzaib	4220184637803	Ophthalmic Technician	Male	√	√	√	√	√
7	Sara Jafri	4520560074394	Ophthalmic Technician	Female	√	√	√	√	√
8	Shahzaib Khan	4230178143037	Ophthalmic Technician	Male	√	√	√	√	√
9	Sharoon Issac	3650284240975	Ophthalmic Technician	Male	√	√	√	√	√
10	Syed Ali Raza	4220140874245	Ophthalmic Technician	Male	√	√	√	√	√
11	Tasleema	4250199587988	Ophthalmic Technician	Female	√	√	√	√	√
12	Zubair Saeed	4250165822841	Ophthalmic Technician	Male	√	√	√	√	√

THIRD PARTY VALIDATION REPORT – School of Paramedics –JPMC Karachi

S#	Name	CNIC	Trade	Gender	Validation of Tutors	Validation of Curriculum	Validation of Training Delivery	Validation of Training Completion	Validation of Certification
13	Amir	4230194041819	Ophthalmic Technician	Male	√	√	√	√	√
14	Anosh Suneel	3610419189943	Ophthalmic Technician	Male	√	√	√	√	√
15	Danish	3410491217315	Ophthalmic Technician	Male	√	√	√	√	√
16	Ghullam Waqas	4210148791143	Ophthalmic Technician	Male	√	√	√	√	√
17	Muhammad Daniyal	4220142529915	Ophthalmic Technician	Male	√	√	√	√	√
18	Muhammad Kashif	4250123385213	Ophthalmic Technician	Male	√	√	√	√	√
19	Muhammad Yaseen	4220142505933	Ophthalmic Technician	Male	√	√	√	√	√
20	Muhammad Zain	4230191359631	Ophthalmic Technician	Male	√	√	√	√	√
21	Rabeia Noor	4230174467214	Ophthalmic Technician	Female	√	√	√	√	√
22	Rana Muhammad Shahzaib	4220184637803	Ophthalmic Technician	Male	√	√	√	√	√
23	Sara Jafri	4520560074394	Ophthalmic Technician	Female	√	√	√	√	√
24	Shahzaib Khan	4230178143037	Ophthalmic Technician	Male	√	√	√	√	√
25	Sharoon Issac	3650284240975	Ophthalmic Technician	Male	√	√	√	√	√

THIRD PARTY VALIDATION REPORT – School of Paramedics –JPMC Karachi

S#	Name	CNIC	Trade	Gender	Validation of Tutors	Validation of Curriculum	Validation of Training Delivery	Validation of Training Completion	Validation of Certification
26	Syed Ali Raza	4220140874245	Ophthalmic Technician	Male	√	√	√	√	√
27	Tasleema	4250199587988	Ophthalmic Technician	Female	√	√	√	√	√
28	Zubair Saeed	4250165822841	Ophthalmic Technician	Male	√	√	√	√	√

OT Technician

S#	Name	CNIC	Trade	Gender	Validation of Tutors	Validation of Curriculum	Validation of Training Delivery	Validation of Training Completion	Validation of Certification
1	Hammad Ali	4240194963997	OT Technician	Male	√	√	√	√	√
2	Jameel Ahmed	4350405262321	OT Technician	Male	√	√	√	√	√
3	Kaleemullah	4530380766961	OT Technician	Male	√	√	√	√	√
4	Mariam Nasrullah	4220122726948	OT Technician	Female	√	√	√	√	√
5	Mehtab Ali	4220119240035	OT Technician	Male	√	√	√	√	√
6	Muhammad Farhan	4230116463043	OT Technician	Male	√	√	√	√	√
7	Muhammad Mohtashim Baig	4230147052297	OT Technician	Male	√	√	√	√	√
8	Muhammad Salik	4220109144653	OT Technician	Male	√	√	√	√	√

THIRD PARTY VALIDATION REPORT – School of Paramedics –JPMC Karachi

S#	Name	CNIC	Trade	Gender	Validation of Tutors	Validation of Curriculum	Validation of Training Delivery	Validation of Training Completion	Validation of Certification
9	Muhammad Saqib	4210126640393	OT Technician	Male	√	√	√	√	√
10	Muhammad Taqi	4230168996393	OT Technician	Male	√	√	√	√	√
11	Muhammad Uzair	4220190863681	OT Technician	Male	√	√	√	√	√
12	Nand Lal	4230195602679	OT Technician	Male	√	√	√	√	√
13	Rizwan Sharif	4230131543713	OT Technician	Male	√	√	√	√	√
14	SAFEER FAROOQ	4230121021803	OT Technician	Male	√	√	√	√	√
15	Sameer Gopal	4230140372743	OT Technician	Male	√	√	√	√	√
16	Shahzaib	4230115321865	OT Technician	Male	√	√	√	√	√
17	Hammad Ali	4240194963997	OT Technician	Male	√	√	√	√	√
18	Jamel Ahmed	4350405262321	OT Technician	Male	√	√	√	√	√
19	Kaleemullah	4530380766961	OT Technician	Male	√	√	√	√	√
20	Mariam Nasrullah	4220122726948	OT Technician	Female	√	√	√	√	√
21	Mehtab Ali	4220119240035	OT Technician	Male	√	√	√	√	√
22	Muhammad Farhan	4230116463043	OT Technician	Male	√	√	√	√	√
23	Muhammad Mohtashim Baig	4230147052297	OT Technician	Male	√	√	√	√	√
24	Muhammad Salik	4220109144653	OT Technician	Male	√	√	√	√	√
25	Muhammad Saqib	4210126640393	OT Technician	Male	√	√	√	√	√

THIRD PARTY VALIDATION REPORT – School of Paramedics –JPMC Karachi

S#	Name	CNIC	Trade	Gender	Validation of Tutors	Validation of Curriculum	Validation of Training Delivery	Validation of Training Completion	Validation of Certification
26	Muhammad Taqi	4230168996393	OT Technician	Male	√	√	√	√	√
27	Muhammad Uzair	4220190863681	OT Technician	Male	√	√	√	√	√
28	Nand Lal	4230195602679	OT Technician	Male	√	√	√	√	√
29	Rizwan Sharif	4230131543713	OT Technician	Male	√	√	√	√	√
30	SAFEER FAROOQ	4230121021803	OT Technician	Male	√	√	√	√	√

X-Ray Technician

S#	Name	CNIC	Trade	Gender	Validation of Tutors	Validation of Curriculum	Validation of Training Delivery	Validation of Training Completion	Validation of Certification
1	Muhammad Haris	4230146850493	X-Ray Technician	Male	√	√	√	√	√
2	Muhammad Waqar	4200092777185	X-Ray Technician	Male	√	√	√	√	√
3	MUZAMIL HUSSAIN	4130334750705	X-Ray Technician	Male	√	√	√	√	√
4	Naeem Khan	4210187138783	X-Ray Technician	Male	√	√	√	√	√
5	Naveed Ur Rehman	4230166692895	X-Ray Technician	Male	√	√	√	√	√
6	Obaid Ullah	4240168056031	X-Ray Technician	Male	√	√	√	√	√
7	Qais Javed	4230190473383	X-Ray Technician	Male	√	√	√	√	√

THIRD PARTY VALIDATION REPORT – School of Paramedics –JPMC Karachi

S#	Name	CNIC	Trade	Gender	Validation of Tutors	Validation of Curriculum	Validation of Training Delivery	Validation of Training Completion	Validation of Certification
8	Sagar	4430286141165	X-Ray Technician	Male	√	√	√	√	√
9	Shah Zaib	4250162773351	X-Ray Technician	Male	√	√	√	√	√
10	Shahrukh Khan	4230151287223	X-Ray Technician	Male	√	√	√	√	√
11	Shayan Ali	4220179119827	X-Ray Technician	Male	√	√	√	√	√
12	syed bilal hussain shah	4220197817729	X-Ray Technician	Male	√	√	√	√	√
13	Syed Sarfraz	4220168525157	X-Ray Technician	Male	√	√	√	√	√
14	Tajamul Atif	4220120645353	X-Ray Technician	Male	√	√	√	√	√
15	TAYYAB ARSHAD	4220148664043	X-Ray Technician	Male	√	√	√	√	√
16	Toto Mal	4230158797327	X-Ray Technician	Male	√	√	√	√	√
17	Muhammad Haris	4230146850493	X-Ray Technician	Male	√	√	√	√	√
18	Muhammad Waqar	4200092777185	X-Ray Technician	Male	√	√	√	√	√
19	MUZAMIL HUSSAIN	4130334750705	X-Ray Technician	Male	√	√	√	√	√
20	Naeem Khan	4210187138783	X-Ray Technician	Male	√	√	√	√	√
21	Naveed Ur Rehman	4230166692895	X-Ray Technician	Male	√	√	√	√	√
22	Obaid Ullah	4240168056031	X-Ray Technician	Male	√	√	√	√	√
23	Qais Javed	4230190473383	X-Ray Technician	Male	√	√	√	√	√
24	Sagar	4430286141165	X-Ray Technician	Male	√	√	√	√	√
25	Shah Zaib	4250162773351	X-Ray Technician	Male	√	√	√	√	√
26	Shahrukh Khan	4230151287223	X-Ray Technician	Male	√	√	√	√	√
27	Shayan Ali	4220179119827	X-Ray Technician	Male	√	√	√	√	√

THIRD PARTY VALIDATION REPORT – School of Paramedics –JPMC Karachi

S#	Name	CNIC	Trade	Gender	Validation of Tutors	Validation of Curriculum	Validation of Training Delivery	Validation of Training Completion	Validation of Certification
28	Syed Bilal Hussain shah	4220197817729	X-Ray Technician	Male	√	√	√	√	√
29	Syed Sarfraz	4220168525157	X-Ray Technician	Male	√	√	√	√	√

CONCLUSION AND RECOMMENDATIONS

- The trainers recommended that such type of courses should be organized throughout the year so that the School of Paramedics, JPMC, can announce the courses with the academic year. As School of Paramedics, JPMC has campuses in Karachi so such trainings need to be organized also in other cities.
- Due to the strict admission policies and the merit, many of the students could not get admission in graduation programs at the School of Paramedics, JPMC Therefore, such courses should be expanded more to utilize the School of Paramedics, JPMC expertise, to organize the course at the large-scale level throughout the districts of Sindh province.
- The contents of trainings were prepared and shared with the BBSHRRDB before the commencement of trainings so these specialized contents should be used by the other training institute as well.
- The School of Paramedics, JPMC is a good platform for the BBSHRRDB to use for the specialized training in various employable and job-oriented trades.
- There were many trainees who belonged to other cities and were facing difficulty to attend the courses on daily basis. So the need cum merit based scholarships should also be provided to support to them
- During telephonic content or a physical interview, none of the students were discovered to be fictitious. This demonstrates that the real and actual trainees have received the appropriate training.