**PRABHJOT SINGH**

 BIOMEDICAL ENGINEER (CALIBRATION ENGINEER)

 **Mailing Address:**

A-116 Ganesh Nagar, Tilak Nagar, New Delhi

**Mobile (M):** 09968569794, 07503596345

**Email: singh.prabhjot335@gmail.com,singh.prabhjot335@hotmail.com**

OBJECTIVE:

To pursue a challenging & career oriented position in the field of Biomedical Engineering, which offers immense opportunities based on skills, professional expertise, target achievements and cope to the challenges through dedication and commitments.

ACADMIC QUALIFICATION:

***Year Examination Board***

2010 Matriculation Examination (10th) CBSE

TECHNICAL QUALIFICATION:

 ***Bio-Medical Engineering*** Diploma with ***76%*** in ***Medical Electronics (Equivalent to Bio Medical Engineering)*** from ***Chotu Ram Institute of Technology Kanjhawala, Delhi*** Affiliated to ***Board of Technical Education Delhi.*** (Session 2015)

JOB EXPERIENCE:

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| --- |
| Total working experience: Bio-Medical Engineer (***Calibration Engineer***):-1 Year,7 Months  Service Engineer (***Troubleshooting & Repairing***):-2 Years |
| **Name of Organization** | **Post Held** | **Period** | **Area** |
| From | To |
| Jeevan Anmol Hospital, Mayur Vihar Phase-1 | ***Bio-Medical Engineer***cum ***Calibration Engineer***  | March2015 | To Till Date | NewDelhi |
| Nanotech Electronics,Dwarka | ***Electro-Mechanical Engineer*** and ***Electronic Instrumentation Engineer*** | August2010 | August 2012 | NewDelhi |

JOB RESPONSIBILITIES:

* Expert Knowledge of Departmental Documentation as per NABH/ NABL/PNDT/AERB.
* Expert Knowledge of Calibration procedures with their suitable simulators and master equipments.
* Expert Knowledge of Preventive/Corrective/Predictive Maintenance and its Maintenance schedules
* Expert Knowledge of renewal of AMC/CMC of all medical equipment.
* Conduct Training to Nurses on Medical Equipments through presentation and Job Training Knowledge.
* Expert Knowledge of Repairing and Maintenance with troubleshooting techniques of all the Medical Equipment and Instrumentation.
* Services of various Devices such as Stabilizers, UPS as well as Analog/Digital Meter and AC/DC circuits.
* Repair and maintenance of all the Electro-Mechanical, Mechanical, Electro-Thermal and Electronic Instrument those are used in Biomedical Instrumentation.

TECHNICAL TROUBLESHOOTING SOFTWARE & HARDWARE :

* Troubleshooting of Software Patient Monitor, ECG/EMG Machines, Defibrillators, AED’s, Pulse-Oximetry, Radiant Warmers (Baby Warmers).
* Troubleshooting of Syringe/Infusion Pumps, Electro-Surgery/Cautry Machine, Analog BP Instruments, and Nebulizers Machines.
* Troubleshooting of Laboratory Instrument (Microscopes (Electron & Compound)/Centrifuge Machine/Pipits/Blood Mixer Machine).
* Troubleshooting of Ophthalmology Equipments (Keratometer/Lensometer/Ophthalmoscopes)
* Troubleshooting of Gas Manifold Errors Systems (Oxygen/Nitrous Oxide/Vacuums).
* Troubleshooting of Electro-Thermal Devices (Autoclave Machines/Hydroculator)
* Troubleshooting of Megnehelic Positive Pressure Gauges System.
* Anesthesia Workstations Software Troubleshooting/Troubleshooting of Basic Boyles Apparatus
* Ventilator Software Troubleshooting (Drager/GE/Siemens).
* Troubleshooting Software/Hardware of Bi-PAP/CPAP Machines.
* Ultrasound Software Troubleshooting (Siemens/GE/Samsung)
* Laboratory Software Troubleshooting (Radiometer ABG , EDIF SFRI Electrolyte, ABG Kwerty Med, Gulco-lactate Analyzer Kwerty Med, Hematology Machine Transasia, Biochemistry Analyzer Biosystems)
* Troubleshooting of Physiotherapy Equipments (Short Wave Diathermy/Ultrasonic Intensifier/TENS /Muscle Stimulator/Hydroculator/IFT )
* Operating System Troubleshooting: MS Excel, MS DOS, MS Office,
* WINDOWS: XP/VISTA/7.

TECHNICAL/PROFESSIONAL ACTIVITES:

* Taking part as ***Seminar/Workshop Conductor*** in ***Neanic Biomedical Engineers Hub.***
* Taking Part as ***Coordinator/Auditor in Operation Theatre Validations Programs***.
* Take part in ***NABH & NABL Surveillance Audit*** with Excellence Performance.
* Take part in ***Calibration Processing Program*** for ***Biomedical Equipments/Instrumentation*** under the criteria of ***NABH*** and ***NABL Surveillance Visits.***
* ***Quality Assurance*** Program for ***Radiology Department*** under the criteria of ***(Atomic Energy Radiation Board) AERB Quality Assurance***

WORKSHOPS ATTEND:

* ***Uses of Biomedical Equipment in Hospital*** on February 2016 topic of ***Biomedical Engineering*** at ***Chhotu Ram Rural Institute of Technology Kanjhawala***
* ***Biomedical Equipment/Instrumentation and its Application*** on February 2016 topic of ***Biomedical Engineering*** at ***Chhotu Ram Rural Institute of Technology Kanjhawala***
* ***Biomedical Equipment/Instrumentation and its Application*** on August 2016 topic of ***Biomedical***

***Engineering and its Scopes*** at ***Kasturba Institute of Technology Muni Maya Ram Marg, Pitampura.***

* ***Safe Practicing of Central Supply Sterile Department (CSSD)*** on October 2016 ***at Fortis Escorts Hospital***

***Nehru Place New Delhi***

HANDFUL EXPERIENCE IN QUALITY MANAGEMENT

* ***Committee Meetings***
* ***Departmental Audits***
* ***Mock Drills***
* ***Training***
* ***Internal Documentation(Indicator Calculating, Indicator Correlation, Internal Auditing)***

PROFESSIONAL TRAINING:

* Four weeks summer training from **BIO MED INC.** In Physiotherapy Equipments Muscle Stimulators and Interferential Therapy devices as a Service Engineer providing time to time services to Rehabilitation Institutes, Physiotherapy Centers, Pain Management Centers and Hospitals.

FINAL YEAR PROJECT: TRANSCUTANEOUS ELECTRICAL NERVE STIMULATOR

Undergoing the worked on ***TENS (Transcutaneous Electrical Nerve Stimulator)*** for the Nerve Disorder or Pain Relief Therapy .It works on the Principle of ***Electrical Stimulation Pulses at Desired Intensity***. It can be used as ***Non-Invasive Nerve Stimulation*** intended to reduce both acute and chronic pain. Applications of the TENS Stimulator are very useful in ***Medical Therapeutic Systems*** e.g. ***Nervous System Disorder, Nerve Blockage*** during ***Labour Pain***

**PROJECTS GOING ON: HYDROGEN AS RADIATION GENERATOR**

Research on the ***Hydrogen Element*** Properties according to the ***Bodings*** *(****Ionic and Covalent****).*The whole research criteria is based upon the ***Patient Safety*** from radiation. The basic guidelines are following and the research criteria using under ***Atomic Energy Research Board (AERB)*** .The hardest purpose of this research is ***Medical Imaging Technology*** without any type radiation to the patient health

CO-CURRICULAR ACTIVITIES :( School)

* **Awarded Certificate** of Participation for **securing 3rd rank Folk Song Competition**
* **G.B.S.S Tilak Nagar New Delhi** for **Cultural Program.**
* **Awarded** **Certificate of Participation** for **Science Drama Exhibition.**

STRENGTH:

* Passion to learn new things and enhance skill set on and off the job.
* Good communication skills and deal with stressful situations
* Strong Negotiation Skill.
* Out of box thinker.

PERSONEL INFORMATION:

Name : Prabhjot Singh

Father’s Name : Ravinder Singh

Sex : Male

Languages Known : English, Hindi and Punjabi

Marital Status : Single

Nationality : Indian"

Hobbies : Surfing net, Reading books and Composing.

Date of Birth : 27-June-1993

**Place: New Delhi** **(Prabhjot Singh)**