**DEEPTI BAIRAGI**

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**PH. No**: 8839524740 Ram Tekri, Mandsaur (M.P.)



# Professional Objectives:

* Having **8 years** of experience in Telecom Industry. Worked In **overseas** also.

**Working at Metro Telworks Pvt. Ltd. from July 2014 to till date:**

* Presently working for Celfinet-Spain (Vodafone Project)
* Worked for Nokia- Singapore (M1- Small Cell project)
* Worked for Nokia- Singapore (Star Hub- LTE project)
* Worked for Cell C- South Africa (Huawei 2G/3G project)
* Worked for Vodacom- South Africa (Ericsson 2G/3G/4G VASO project)
* Worked for ZTE Kolkata (Bharti Airtel Project)

**Worked at Phi Metric Technologies Pvt. Ltd. from November 2013 to June 2014**:

* Worked for ALU Delhi (Reliance Project)
* Worked for Samsung Mumbai (Reliance LTE Project)

# SKILLS SET:

# Technology: 2G, 3G, 4G, Small cells & NB-IOT

**Optimization Tools**: ATOLL 3.5, Gladiator, Nemo Analyzer, Nemo indoor & Outdoor, TEMS Discovery & Investigation, Genex Assistance ACTIX 3.0, XCAL & XCAP, Net Artist Tools for ZTE, MapInfo Professional, Actix analyzer, MapInfo, MIPT 2G, MIPT 3G, Google Earth, Dingle NB-IOT drive tool & Pioneer Analysis tool for NB- IOT, Celfinet Automation Tool, Vodafone Automation Tool, NBIOT Tool (Simcom & Knowyou),.

**Computer Skills:** Python, Angular, java script, HTTP, CSS, MS Office, MS Excel, MS Power Point, MS Access Database, Outlook.



# Responsibilities: -

* + Running Macros for weekly scheduled KPI Reports & preparing weekly Reports (RSSI, PUSCH, PRB’s)
  + Checking Weekly 8 weeks KPI to meet criteria to pass the report to customer.
  + Making report for each worst cells using Celfinet tool and giving reasons for each cell.
  + Weekly adding the new cells in database through automation tool for zone, city wise.
  + Resolving problem for worst cells to optimize (RSSI, Throughput, CSSR CS & PS, BCR, DCR) using Vodafone tool.
  + Updating antenna information’s like Type, Vendor, Model, Connectors, Weight, Gain, VSWR, Isolation, Polarization, Tilt, V & H Beamwidth.
  + Performance verification of LTE Small cell and LTE macro cell (Carrier Aggregate) network. (Checking carrier aggregate values of primary and secondary cell RSRP and SNR values to increase throughput speed, checking issues like number of PRBs and Ranking, DAS issue).
  + Preparing scripts for manual tests and creating for automation test.
  + Checking drive test and walk test for fundamental services and checking KPI like attach time, call set up time, PDP Attached and activation time, Call set up success rate, Average Ping RTT, CSFB, Volte, SRVCC, X2 Interface, Handovers, MultiRAB services, FTP DL (Ca and NonCA) and Upload throughput, using the Nemo Outdoor and Nemo Handy tools.
  + Checking CA and NONCA eUTRAN Small Cell to Small Cell Handover, eUTRAN Small Cell to macrocell Handover, eUTRAN Small Cell to 3G SRVCC. Database inconsistencies, neighbor optimization, and interference analysis (internal & external).
  + Checking MOS values for VoLTE Multi-Bearer Test POLQA.
  + Preparing final acceptance report of LTE Initial Performance Verification using Nemo Analyzer.
  + Checking if all KPIs are being meet like DL (ca and non-ca) and UL Throughput, RSRP Delta, PDSCH Delta, Attach Time, Service Request time, RTT, Multi Bearer, VoLTE, CSFB, SRVCC, Average MOS PoLQA and X2 Interface. MOS Testing for 4G with Nemo outdoor & handy.
  + NBIOT drive test and walk test with SIMCOM, Knowyou & Dingle tool for Attach, Ping, FTP DL & UL.
  + Preparing report for NBIOT with Nemo & Dingli Preprocessing tool.
  + MOS Testing for 3G & 4G with Nemo outdoor & handy.
  + Preparing Reports for SCFT & Cluster by using the post processing tool Nemo Analyzer.
  + Logs Analysis and optimization for improving the coverage & quality.
  + Drive test for Optimizing RF parameter as well as physical parameters with Nemo outdoor & indoor tool.
  + Analysis for RSRP, RSRQ, SINR, CQI, throughput, drop, block, Handover failure, call mute for CSFB, Volte call & SRVCC.
  + Updating 3G & 4G database weekly, IMDA Route for drive test and creating MapInfo tab file.
  + Weekly KPI Monitoring Report for presentation.
  + Preparing Reports for Single Site Verification (SSV).
  + Giving suggestion for optimize the site & Troubleshooting the Network Problems using the Post Processing test tool Actix & Gladiator.
  + Identification of weak coverage areas and implementation of solutions such as Boosters, Repeaters etc.
  + Troubleshooting of network problems like Pilot Pollution, Ec/No, Call Drop, Handover Failure, Overshooting, Swap, etc.
  + Troubleshooting of network problems like Adjacent BCCH & Co-BCCH, SD Drop, SD Block, TCH Blocking, TCH Assignment, TCH Drop, HOSR.
  + Preparing Reports for SCFT & Cluster and submitting it to the Customer for acceptance.
  + Giving suggestion for Optimization for improving coverage & SINR problems by using the Post Processing Test Tool Gladiator.
  + Troubleshooting of network problems like RSRP, RSRQ, SINR, CQI & throughput.
  + Voice KPI: CSFB call attempt, CSFB call attempt setup, CSFB call attempt time(s), Non LTE CSFB call attempts, dropped calls, Blocked calls, CSFB call attempt setup rate (%)
  + LTE Data KPI: Attach accept, attach complete, attach request, deactivate default EPS bearer context accept, deactivate default EPS bearer context request, detach accept, detach request, PDN connectivity request, PDN disconnect request.
    - Resolving Customer complaints for network related issues by recommendation for physical activity of sites.
    - Test services (CS services, PS services and HSDPA). Checking for missing neighbors and swap.
    - Recommendation to change parameters like antenna tilting and orientation changes, height changes etc.
    - Making reports for worst site for 2G, 3G with the help of NEMO Analyzer.
    - Prepared Pre-Drive and Post-Drive test reports with KPI, Problem cause and recommendation solutions
    - Analyzing the drive test log files using Net Artist (4G) tools for preparing reports.
    - Prepared Pre-Drive and Post-Drive test reports with KPI, Problem cause and recommendation solutions.
    - Checking & Analyze the drive test log files and generating Report Using X-CAP and MapInfo.
    - Using NEMO Analyzer for Cluster network optimization by detailed analysis of call events (drop call, call setup success fail, soft ho failure) pilot pollution, parameters & neighbor list.
    - Site verification after Node-B installation like coverage, Quality etc.
    - Responsible for Pre acceptance tests of new cell sites (all basic test for KPI)
    - EMF Compliance Validation for New sites.
    - Validating RF survey and Optimization reports.
    - RF cell Parameters Planning (Radio Parameter, Antenna Orientation, Height etc) for new site.
    - Co-ordination of site survey teams to get output on daily basis.
    - RF Planning and checking feasibility of new Towers.
    - To implement & validate Site survey reports, Change requests for LTE coverage/Capacity/Performance planning Validating RF/EMF survey reports.
    - Validating the requested Nominal points and give recommend solution for Failed SARF.
    - To prepare updated site database and Tab file and KML files.



# ACADMIC QUALIFICATIONS:

* + - Bachelor’s Degree in computer science from VIT Indore (M.P.) in 2007-2011, RGPV University.



# PERSONAL DETAILS:

Date of Birth 15th April 1989

Gender Female

Citizenship Indian

Marital status Single

Languages known English and Hindi Passport No K4988350

Current address Ahmdabad

**Place:** India **Date:**