

ABILASH V A

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Experience Summary:

- Currently worked as **ENGINEER O&M** at **NEC Corporation India Pvt Ltd**, Hubli.
- Having 2 years of experience in the field of Operation, Maintenance and Testing of all ITS equipments.
- Involved in develop execute control and review project points of electronic fare gate (AFC) in accordance with safety standards.
- Involved in Evaluating, monitoring and coordinating the development of AFC system in relation to system enhancement, revenue operation, advancement and integration of fare system.
- Experienced in vendor and client management for maintenance activities.
- Responsible for maintenance and troubleshooting for all ITS equipment.
- Implementation to deployment of POS, Fare gate applications with team members.

Education Qualification:

- Master of business Administration(General) in Annamalai University Chennai (**Waiting for Results**).
- Bachelor of Engineering in Mechanical Engineering from Maria College Engineering of Technology, Attor, Kanyakumari District ,Tamilnadu in 2018.

Certification :

- QA/QC in welding and Piping,
- QA in Destructive Testing.
- ASNT Level 2 Non Destructive Testing (RT,UT,MT,PT,VT,RTFI).

Achievements:

- Worked extensively in HDBRTS projects on AFC Designing (Hardware & Software), Installation, Commissioning, Testing and Operation & Maintenance of Automatic Fare Collection (AFC) System.
- Successfully installation of all ITS equipment in 33 BRT Stations

Project Profile:

1. Title	Installation and Maintenance
Organization	NEC Corporation India PVT Ltd
Client	Hubli Dharwad Bus Rapid Transit Company(HDBRTSCO)
Role	Engineer O&M
Team Size	20

Description:

An Intelligent Transit Management System (ITMS) is an advanced application, technologies of electronics, communications, computers, control and sensing and detecting in all kinds of transportation system in order to improve safety, efficiency and service, and traffic situation through transmitting real-time information.

ITMS consist of multiple components integrated together to provide smoother and safer operations, System Integration for one of the state of art smart city transportation project of India. Key features of the project is Automatic Fare Collection System (AFCS), Automatic Vehicle Location System (AVLS), Incident Management System (IMS), Depot Management System (DMS), Vehicle planning & Scheduling(VPSD), Passenger Information System (PIS), Transit Management System (TMS), Passenger Address (PA) System, Automatic Number Plate Recognition (ANPR) System, State of ART advanced City Control Centre.

Maintenance of all ITS equipment such as POS, Fare gate, UPS, Fare gate validators etc. Handling of all operational issues based on hardware and software. Installation of all ITS equipment. Installations and Maintenance OBITS(ONBOARD INTELLIGENT TRANSPORT SYSTEM).

Roles and Responsibilities:

- Evaluating, monitoring and coordinating the development of Automatic fare collection (AFC)
- System in relation to system enhancement, revenue operation advancement and integration of fare systems.
- Review and comment on vendor AFC documents for excellent services.
- Inventory control for cards.
- Monitoring AFC system at station level and Central server.

- Coordinate with various vendors for fast trouble shooting in the AFC system software bugs.
- Planning for Preventive maintenance for AFC Equipments.
- Performing various types of Testing of AFC equipments.
- Good Experience to project management, Execution & Implementation, Design, Engineering and integration, system installation, testing and commissioning.
- To execute training program and formulate the maintenance manual for staff.
- To maintain proper documentation.
- To analysis and give recommendations for equipment and specifications.

During Operation & Maintenance:-

- Successfully Start Operation of Line with smooth AFC operation with record Ridership on 33 stations.
- Smooth functioning of AFC system on complete Line.
- Analysis of daily failures in AFC and find the way forward for permanent solution of failures.
- Managing all the AFC maintenance activities for AFC equipments POS, GATE.
- Arrange periodical inspections to ensure the performance AFC system.
- Prepare plans for Operations and Maintenance activities.
- Provide training to O&M Staff.
- Responsible for the Maintenance and Troubleshooting of the following Equipment's - POS,GATE.
- Staff and spare management.
- Preventive & corrective Maintenance of AFC system &UPS System
- Co-ordination of complex technical and administrative activities,
- Supervision of correspondence with various organizations pertaining to general works procurement of items/stores, handling of inventories etc.
- Inspection & verification of whole AFC work as per the design and coordinating with the HO.
- Preparation of report, coordination between agencies to execute the work of Installation.

2. Title	Automatic Fare Collection System (AFCS)
Organization	NEC Corporation India PVT Ltd
Client	Hubli Dharwad Bus Rapid Transit Company(HDBRTSCO)
Environment	Windows 10, Chrome, Mozilla, IE, Linux
Web portal link	https://hdbrts.com
Role	Engineer O&M
Team Size	5

Description:

- An Automated Fare Collection system (AFCS) is the core system required to support an efficient integrated ticketing system. AFCs are being widely adopted by public mass transportation systems around the world.
- AFC technology is being used to support both paper ticketing and paperless ticketing (such as token coins and smart cards), typically for single trips and frequent travelers respectively. As technology evolves, AFC systems are becoming more and more advanced.
- **Roles and Responsibilities:**
- As a team member of AFCS (Automatic Fare Collection system) module which involves Back Office, ETM (Electronic Ticketing Machine), POS(Point Of Sale), Fare Gate software testing
- Uploaded of transactions manually to BO
- Prepared the test cases, test summary report, test execution and logged the defects in Jira.
- Analysis logs on fare gate for identifying issues to rectify..

Personal Details:

Father's Name	: K Vijayakumaran Nair
Date of birth	: 05/07/1997
Language Known	: English, Tamil, Malayalam, Hindi
Gender	: Male
Marital status	: Unmarried
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Declaration:

I hereby declare that all the information furnished above is true to the best of my knowledge and belief.

(Abilash V A)