



**Bunifu**  
TECHNOLOGIES

# The Problem

The current unautomated school transport system is chaotic and inefficient. Being manual, it has many pain points:



Lacks tracking and Monitoring



Uncertainty over student safety



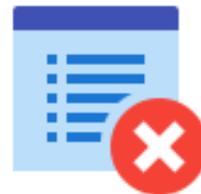
Anxious parents due to uncertainty



Time wastage picking and dropping students



Inability to measure efficiency of transport agents



Poor record keeping to do lack of attendance register



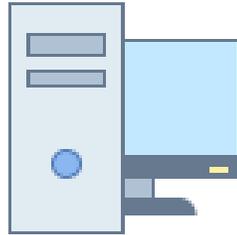
Painstaking communication

# Problem with current solutions

We have studied existing school transport management systems and app solutions have they following challenges:



Lacks privacy and data protection



Requires expensive hardware to setup



High setup cost



Realtime tracking is prone to security vulnerability



Complex to implement



Limited extensibility and integration

# The Solution



**BunifuGo app** is an agile student transport management and communication solution



Seamlessly track, monitor and align all aspects of student transport management



Offers non intrusive tracking through agent updates



Monitor student attendance through check-ins and check-outs

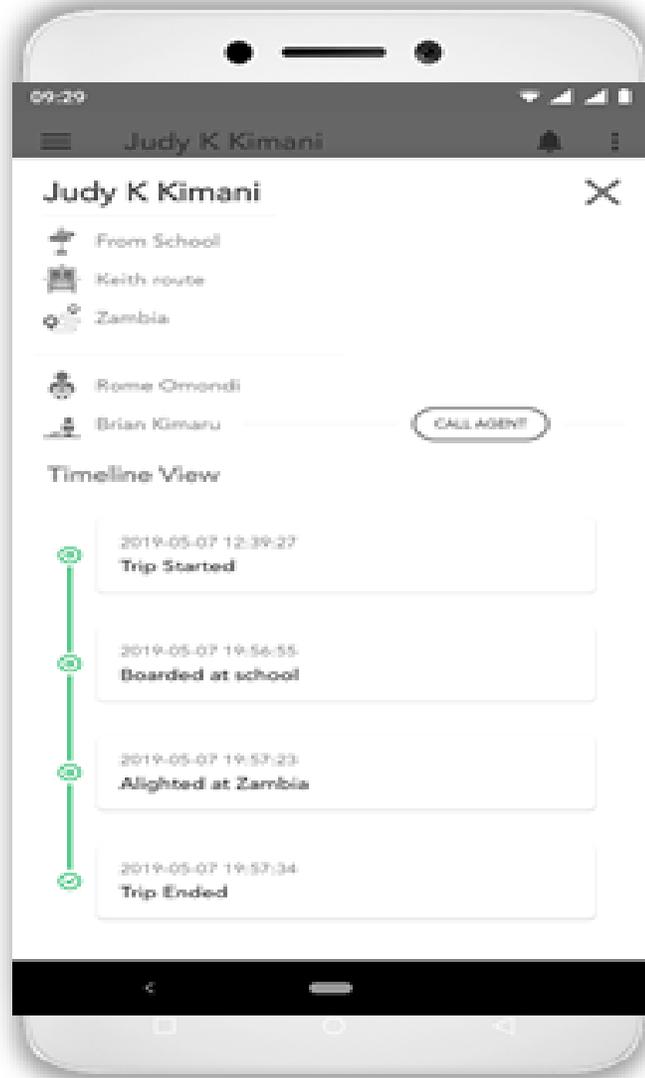


Empower parents, administration and transport get real-time updates via App Push notifications and SMS



Empowers transport manager / admin to manage student and transport agents billing

# Our Approach



**We are providing a custom software approach leveraging on our vast professional experience.**

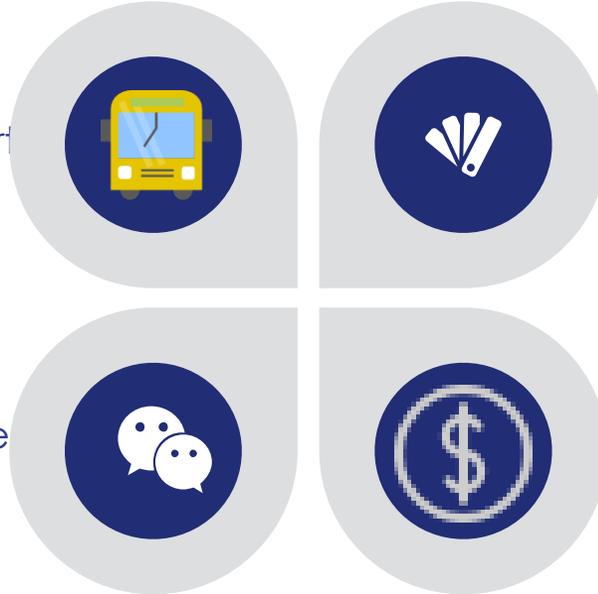
**That takes into consideration:**

- User feedback
- Incremental approach
- Extendibility and integrations

# System features

## Transport management –

Automates the entire transport process. Manages school transport payment & bus assignment



**Communication** – allows the different stake holders to communicate. This is via a mobile app, SMS and email alerts.

**Attendance** – keeps track of day to day attendance of students. This module takes advantage of the bus agent app and the school agent app/gadget

**Billing** – Allows the school to ensure only legit student use transport services and also tracks billing statements for the providers

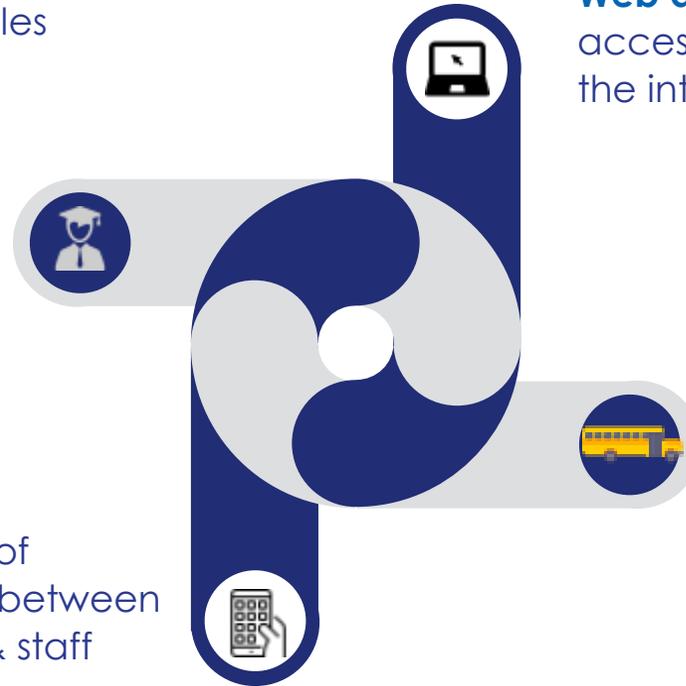
# System features

**Student registration:** Handles all aspects of student management e.g. registration, address, guardian details among others

**Mobile App:** Allow ease of communication & alerts between the school, the parents & staff

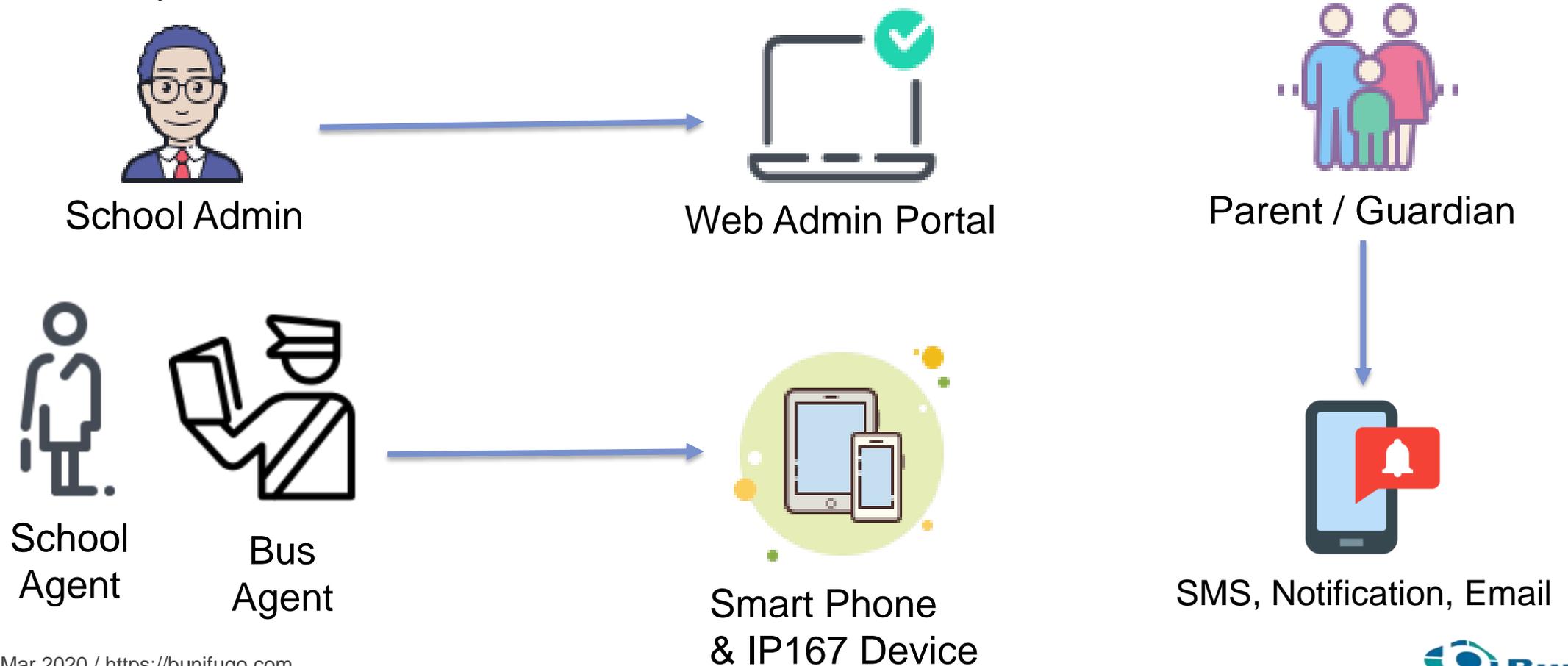
**Web access**– Allow remote access of information over the internet.

**Reports and analytics -** Analytics and performance ratings for trips, bus agents, drivers and students

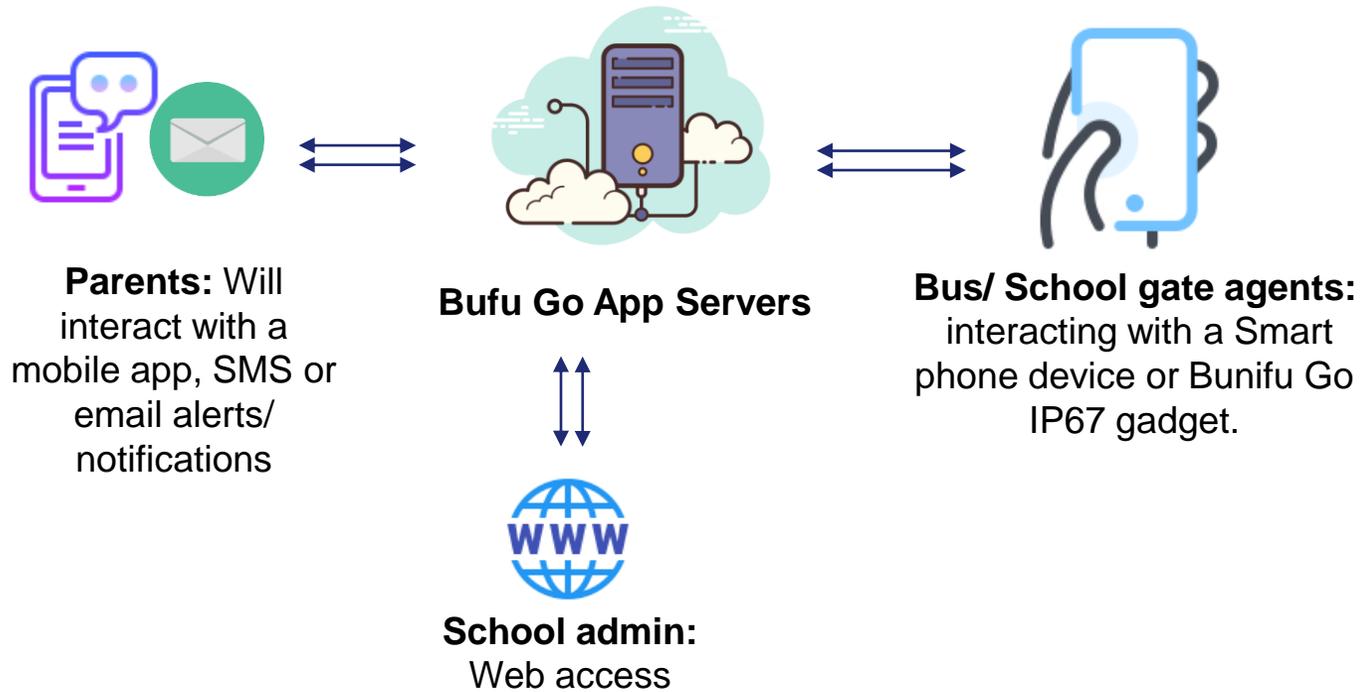


# System Users

- The solution is a **mobile app** end points for the different user agents i.e. **parent, bus agent, school agent**. Also included is a **web access** backend will be used by the **school administrator**. Where necessary peripheral devices, tags and cards are used by students.



# How it works



**Parents:** Will interact with a mobile app, SMS or email alerts/ notifications

**Bufu Go App Servers**

**Bus/ School gate agents:** interacting with a Smart phone device or Bunifu Go IP67 gadget.

**School admin:**  
Web access

**Software needs:**  
web-based application with mobile app end points for the different user agents

## Hardware needs

- **Bus agents:** Bring their own smart phone devices or Bunifu Go IP67 gadget. One off cost
- **School gate agent:** Smart phone device or Bunifu Go IP67 gadget. One off cost
- **Optional use of NFC/RFID tags, fingerprint or QR/Bar coded cards:** One off cost



Pictorial of Bunifu Go IP167 Device in use

# Implementation

## Hardware needs

- **Bus agents:** Bring their own smart phone devices or Bunifu Go IP67 gadget which is a one off cost
- **School gate agent:** Smart phone device or Bunifu Go IP67 gadget. One off cost
- **Students:** Optional use of NFC/RFID tags, fingerprint or QR/Bar coded cards which is a one off cost



Pictorial of Bunifu Go IP67 Device in use

# How school benefits



- Drive efficiency and productivity – reduce on calls and follow up
- Manage student billing info
- Ease of mapping students to a route
- Track and monitor trips
- Provides a communication platform at no extra charge for the school
- Ensure authorized vehicles/providers provide services through trip scheduling feature
- Real time student attendance reports
- Billing reports and analytics per vehicle and transport company
- Bus agent and driver reports and ratings
- Accountability
- Use of NFC cards that can be integrated with other services e.g. library system
- Cost efficiency: Analysis and reports that will ensure proper utilization of resources

# Happy parents



- **Peace of mind:** Reliable and non intrusive mechanism to track student transport
- **Informed & Updated:** View trip status, receive alerts and notifications when the bus nears their station hence save on time
- **Flexibility:** Modify student availability for pick up
- **Easy communication:** Seamless communication between the school, transport provider and the parent

# Benefits for transports agents



- Student availability intelligence
- Route scheduling and management
- Bus agent and driver reports and performance analysis
- Trip analysis and reports for proper resource optimization and utilization

# Pricing / Cost



## Software as a service

- **KES 600/- per student per term**

## Implementation cost

- **School caters for hardware and device purchase**

# Current clients



## Moi Educational Center, Nairobi

- 1,700 students benefiting from the platform
- 32 buses using the app

**Contact:** Philip Kemei,  
Transport Manager: +254 702  
090212



## Kagaki School, Nakuru

- 800 students benefiting from the platform
- 8 buses using the app

**Contact:** Jim Kimanathi, Finance  
and administration: +254 706 240  
074



## St. Bakhita Elite School, Utawala, Nairobi

- 129 students benefiting from the platform
- 5 vans using the app
- 250 guardians and parents on boarded

**Contact:** Contact: Margaret Kahariri,  
School Administrator: +254 776 197  
071



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# Thank you

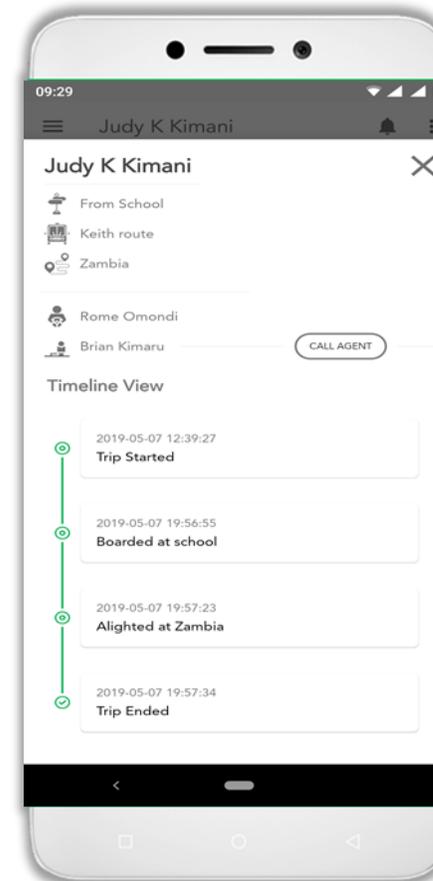
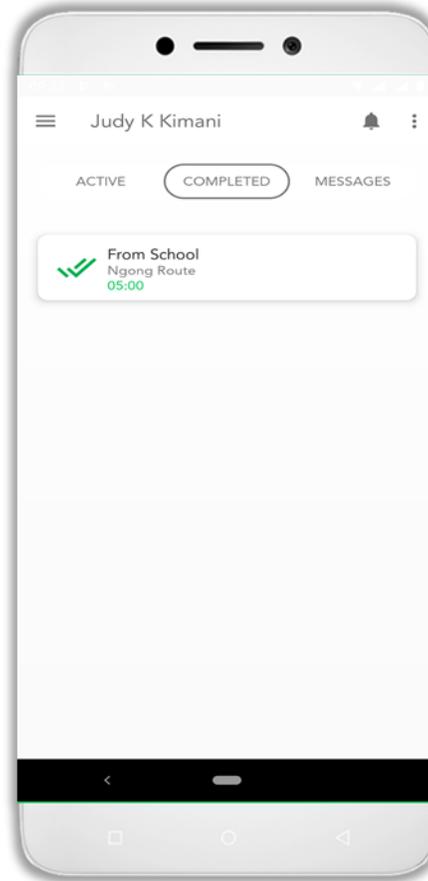
## Contact Person

Wilberforce Seguton, Team Leader

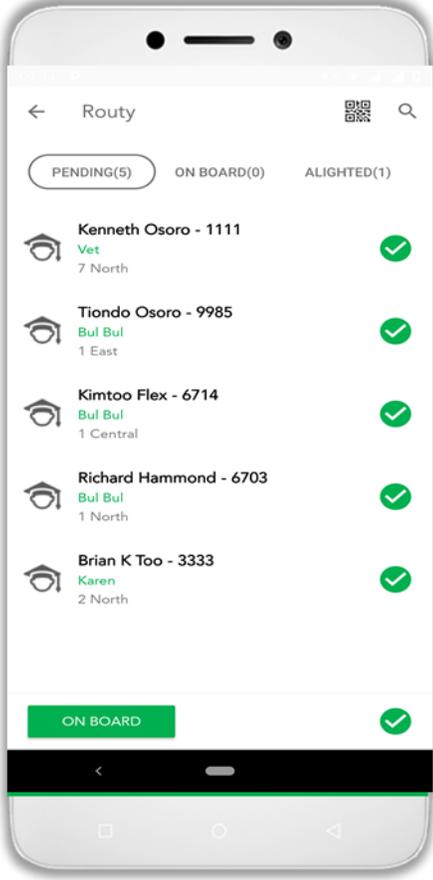
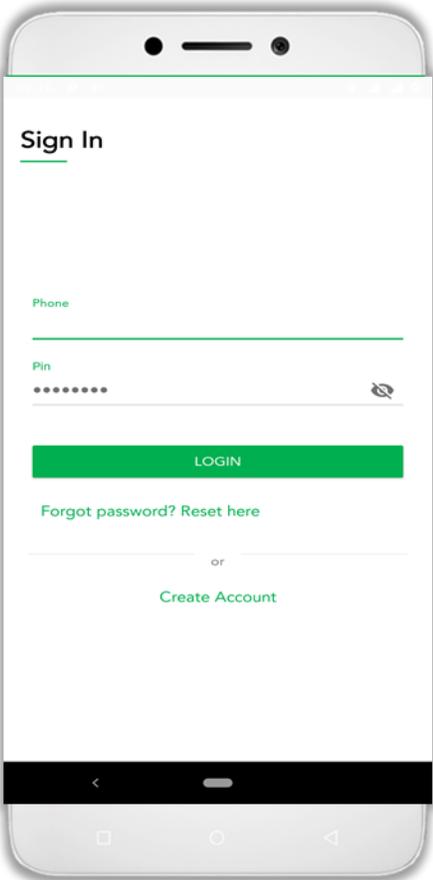
Phone: +254 729009764

Email: [seguton@bunifu.co.ke](mailto:seguton@bunifu.co.ke)

# Appendix: Screenshots –Parent App



# Appendix: Screenshots – Bus Agent App



# Appendix: Screenshots – School admin back office

The screenshot displays the Bunifugo School Admin Back Office interface. The top left features the 'BUNIFUGO' logo. A sidebar on the left contains navigation options: Dashboard, Trips (highlighted), Attendance, School (with a dropdown arrow), Students, Guardians, Vehicles, System Users, Routes, and Schedules. The main content area is divided into two sections. The top section shows trip details: Trip Type (From School), Schedule (Keith route), and Route (Ngong Route). Below this, a 'Completed Trip' section displays a 'Board Score' of 85.7% with a circular progress indicator. A vertical timeline on the right lists the trip's progress: Trip Started At (May 8th 6:42:53 am), Bul Bul (6:53:48 am), Vet (6:53:38 am), Zambia (6:53:34 am), and Trip Ended (May 8th 6:55:36 am).

Trip Type	Schedule	Route
From School	Keith route	Ngong Route

**Trip**

- 39 From School - Keith route (Route)

**Board Score**

85.7%

**Trip Progress Timeline:**

- Trip Started At: May 8th 6:42:53 am
- Bul Bul: 6:53:48 am
- Vet: 6:53:38 am
- Zambia: 6:53:34 am
- Trip Ended: May 8th 6:55:36 am