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[5] Transportation (TR)

[5.18] Planning, Implementation, Monitoring, and Evaluation of Transportation Programs Using ICT

Stage	Activities/Programs	ICT Utilization	Evidence	Timeline	Responsible Team/Department
Planning	- Assess campus transportation needs - Analyze traffic, schedules, peak times - Design and refine shuttle routes	Transport planning software	Needs assessment reports, Route plans	Jan 2024 – Feb 2024	Transportation Office, Digital Education Technologies Centre
Implementation	- Launch shuttle services based on optimized routes - Equip shuttles with GPS tracking	GPS tracking systems	Service launch reports	Mar 2024 – April 2024	Transportation Office, Digital Education Technologies Centre
Monitoring	- Monitor shuttle locations in real-time - Track passenger numbers and shuttle punctuality - Analyze usage data	Real-time tracking Usage analytics	Usage reports, Route optimization reports	Ongoing	Transportation Office, Digital Education Technologies Centre
Evaluation	- Evaluate efficiency and user satisfaction annually - Analyze shuttle performance data - Collect user feedback	Data analysis tools Google Forms for surveys	Efficiency reports, Survey results	Annually evaluated	Transportation Office, Digital Education Technologies Centre

Our campus transportation system has embraced the use of Information and Communication Technology (ICT) to enhance efficiency and meet the needs of our community. The planning, implementation, monitoring, and evaluation of transportation initiatives are carefully integrated with advanced ICT solutions, ensuring optimal results.

1. **Planning**:

   We have **assessed the transportation needs** of the campus community by analyzing factors such as campus traffic, student and staff schedules, and peak travel times. Using **transport planning software**, we develop and refine shuttle routes that maximize efficiency and minimize travel times. This data-driven approach allows us to create shuttle routes that effectively serve all parts of the campus and surrounding city.

   - **ICT Utilization**: Transport planning software
   - **Evidence**: Needs assessment reports, route plans
   - **Timeline**: January 2024 - February 2024
   - **Responsible Team/Department**: Transportation Office, Digital Education Technologies Centre

2. **Implementation**:

   The university has **deployed shuttle services** based on the planned routes. Shuttles are equipped with **GPS tracking** systems, allowing both the administration and users to monitor shuttle locations.

   - **ICT Utilization**: GPS tracking
   - **Evidence**: Service launch reports
   - **Timeline**: March 2024 - April 2024
   - **Responsible Team/Department**: Transportation Office, Digital Education Technologies Centre

3. **Monitoring**:

   The shuttle service is continuously **monitored.** This system allows the Transportation Office to track the number of passengers, and ensure the timely arrival of shuttles. **Usage analytics** provide insights into route popularity and shuttle performance, enabling further optimizations to improve service.

   - **ICT Utilization**: Real-time tracking
   - **Evidence**: Usage analytics, optimization reports
   - **Timeline**: Regular
   - **Responsible Team/Department**: Transportation Office, Digital Education Technologies Centre

4. **Evaluation**:
   We conduct **annual evaluations** to assess the efficiency and effectiveness of the shuttle services. **Data analysis tools** are used to evaluate key performance metrics such as passenger satisfaction, shuttle punctuality, and route efficiency. **User feedback surveys** are also conducted through different google forms to gather input from students and staff, allowing us to continually improve the service.
   - **ICT Utilization**: Data analysis tools, user feedback surveys
   - **Evidence**: Efficiency reports, survey results
   - **Timeline**: Annually evaluated
   - **Responsible Team/Department**: Transportation Office, Digital Education Technologies Centre