**UNIVERSITY OF CAPE COAST**

**COLLEGE OF HUMANITIES AND LEGAL STUDIES**

**DEPARTMENT OF DATA SCIENCE AND ECONOMIC POLICY**

**MSc. DATA MANAGEMENT AND ANALYSIS (SANDWICH)**

**DATA CURATION AND MANAGEMENT PLANS**

**ASSIGNMENT**

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**Question**s:

1. Outline six (6) data quality performance indicators recommended for meeting the vision of your institution.(0ne page)
2. Identify and justify five administrative data points your organization should prioritize for achieving for the next five years.

**Answer: A**

**Data quality performance indicators for local governments service**

Data quality performance indicators (DQPIs) for local government services help measure progress towards achieving the vision of effective and efficient service delivery. Here are some examples:

1. Governance:

- Data governance policies and procedures in place

- Data quality monitoring and reporting mechanisms

2. Timeliness:

- Response time to citizen inquiries

- Service request resolution time

3. Consistency:

- Consistency in service delivery across departments

- Standardization of data formats and protocols

4. Reliability:

- Uptime and availability of online services

- Reliability of data backups and recovery processes

5. Relevance:

- Alignment of data collection with service objectives

- Relevance of data to citizen needs and expectations

6. Integrity:

- Data security and access controls

- Compliance with data protection regulations

Service-specific DQPIs might include:

1. Public Works:

- Road maintenance request fulfillment rate

- Accuracy of utility billing data

2. Public Safety:

- Emergency response time

- Crime data accuracy and completeness

3. Health and Human Services:

- Immunization rate data accuracy

- Social service program participation data completeness

4. Finance:

- Budget variance analysis accuracy

- Expenditure tracking data completeness

These DQPIs help local governments ensure high-quality data supports effective service delivery, informed decision-making, and transparency.

**Answer**: B

**Administrative data points for Local government service (MMDAs)**

Administrative data points for local governance (MMDAs) help monitor and improve municipal operations, services, and decision-making. Here are some essential data points, justified by their importance:

1. Citizen Engagement:

- Participation rates in public meetings

- Citizen satisfaction surveys

- Social media engagement metrics

- Justification: Understand citizen needs, improve transparency, and enhance community involvement.

2. Financial Management:

- Budget variance analysis

- Expenditure tracking

- Revenue collection rates

- Justification: Optimize resource allocation, ensure fiscal responsibility, and make informed budget decisions.

3. Infrastructure and Assets:

- Road maintenance schedules

- Public facility condition assessments

- Asset inventory and utilization rates

- Justification: Preserve and optimize infrastructure, ensuring public safety and quality of life.

. Health and Human Services:

- Immunization rates

- Social service program participation

- Health outcome metrics (e.g., infant mortality, life expectancy)

- Justification: Monitor and improve public health, well-being, and social service effectiveness.

5. Economic Development:

- Business registration and growth rates

- Job creation and unemployment rates

- Local economic investment metrics

- Justification: Foster economic growth, attract businesses, and create job opportunities.

These administrative data points help local governments to:

- Monitor performance and progress

- Identify areas for improvement

- Make data-driven decisions

- Enhance transparency and accountability

- Improve citizen quality of life

By tracking and analyzing these data points, local governments can optimize operations, allocate resources effectively, and drive positive change in their communities in the five years and be young.