Laboratory Practical Report

of

**GRAPH THEORY**

**(ICT ED 478)**

Submitted To

**TRIBHUVAN UNIVERSITY**

In Partial Fulfillment of the Requirements of the course

**B.Ed. ICTE 6th Semester**

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**Directed path and cycle**

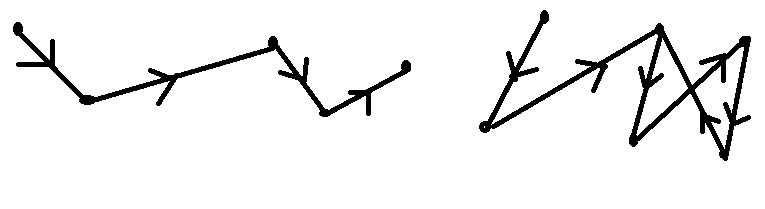
Directed path:

A directed path is defined as an open directed walk with all distinct vertices and hence the edges.

An open directed walk W is called a directed path if all the vertices (and hence arcs) in W are distinct.

Directed cycle:

It is a directed path in all vertices are different except first and last vertices. Actually, it is a closed directed path.



W: , , , , , , , , [left side figure] – directed path

W: , , , , , , , , [ right side figure]- directed cycle