Name:-Auishkar. K. Pokale Rollno: 13 Class :- SY CSF Camlin Page 1 LAB Assignment - 03 Title: Virtual LAN Aimé Design & configure o violual LAN using Packet Tracer. Objectives:-1) To understand concept of ULAN and implement it using packet Traces. Theory: D What is VLAM? VLAN is a logical overlay network that groups together a subset of devices that shape a physical LAN, isolating traffic for each group. Collision Domain. Collision domain is network segment connected by a Shared medium or through repeaters where simulaneou data transmissions collide with one another. 3) Broadcast Domain: A broadcast domain is a logical division of a computor network in which all node can reach each other by broadcast at the date link layer. 4) Collision Domain & Broadcast Domain in networking devices (Mub, switch & Router). A network collision occurs when more than one device attempt to send a packet on a network segment at the same time. A broadcast domain is a logical

Camlin Page divulon of a computer network, in which all nodes can read each other by broadcast at data link layer. 5) Access Port and Trunk Port. The purpose of a tagged or frunked' port is to poss traffic for multiple VLAH's whores an untagged osa access' port accepts traffic los only a single NAM. - Students Observation: Thus, we have designed a configured a virtual LAN using Parket Tracer. * FAQS. 1) What is the need of VLANS? > VLANS allow networking administrators to automatically limit access to a specified group of users by dividing workstations into different isolated LAN segments. When users more their workstotions, administrators don't need to reconfigure the network or change VLAN group. 2) What is the difference between VLAN access and trunk A trunk post ollows you to send all those signals for each switch as router across a single trunk link. In contract to an access post, a trunk post must we tagging in order to allow signals to get to respect endpoint