e – Learning or Virtual Learning or Virtual Learning Through VSAT

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SUMMARY

E-learning through VSAT network consists of a HUB station, which is a satellite earth station and a Studio for video broadcasting of the lectures and many remote classrooms. The HUB will interconnect the VSATs at various geographical locations establishing the communication link in C or in Ku bands. The Studio room consists of Control Server, Agent Server, AV (Audio/Video) Streaming Server, Presentation Capture Server apart from other servers like Media Control Recording Server, Whiteboard Server, Text interaction Server, Live Voice Room Server, Private Voice Call server etc. The Control Server is at the heart of the E-learning through VSAT and it acts as a gateway to all remote classrooms. The remote virtual classroom is a receiving agent and must have registered students with computer systems along a dedicated Internet dial up line. The advantages are - video and audio output of the lecturer/teacher, return audio and video from the student for a unique teacher-student interaction, option for displaying animated content during the live lecture with unique interactive tools for making the lecture livelier, text chat option for students to ask questions and to get reply, audio chat for teacher-student interaction through audio mode, option for the student to join or leave a particular lecture session, whiteboard option for the teacher/lecturer to write any content during the live presentation, option for the teacher/lecturer to surf for content from an online library which all students can view at the same time during the live presentation. VSAT network is easy to implement and is secure.