Amity University is a leading education group of India with over 50,000 students studying across 700 acres of hi-tech campus. At Amity, the management is passionate about grooming leaders who are not only thorough professionals but also good human beings with values. This is just one of the many reasons why Amity has been consistently ranked number 1 by several magazines. Amity University has been ranked the no. 1 private university [source: Education Times], Amity Institute of Biotechnology has been ranked the no. 1 private biotech institute three years in a row [source: Biospectrum], Amity Institute of Telecom has been ranked among the top [source: Outlook] and Amity School of Engineering has been ranked no. 1 private engineering institute for placements [source: Dataquest].

Steps towards solution
In order to provide the best of solution D-Link carried out a two month long demonstration and presentations for the project. Since the project involved a vast area to be covered through IP surveillance, initially Amity gave an order for a branch that satisfied the university and prompted it to go for the overall campus surveillance from D-Link. After understanding and analysing their requirement, D-Link India recommended Pan-TiltZoom (PTZ)-based solution with excellent optical zoom. D-Link (India) Limited is a part of D-Link Corporation and one of the largest networking company in India. D-Link successfully bid for the project through its partner integrator Technosys Security Systems Private Limited, a Noida-based System Integration company, which specializes in integrating security solutions.

J.S. Sodhi, vice-president of AKC Group at Amity, said: “We chose D-Link India on a holistic basis, as we were satisfied with its presentation and product demonstrations. We also consulted other brands, but we zeroed in on it, as our preliminary requirements matched with what they promised to provide.”

Implementation challenges
D-Link also faced initial teething problems before successfully going about it. First, there were problems of software modification to suit the need of the top education institution. Software was developed and modified but D-Link also faced problems of competent operators on the campus. Hence, it went for training several staff of the university who could take charge of running those modified software, required to run the IP surveillance system smoothly. This training took about a month.

Besides stiff competition for this particular project, D-Link stumbled upon blocks while creating E-map feature in D-view of the campus as per requirement of the university. For this, D-Link contacted its headquarters in Taiwan from where experts came to the Noida campus for an overview of the system. Within three weeks, the entire campus was on E-map with active assistance from the experts from D-Link’s headquarters.

Solution
Primarily, D-Link offered several cameras, which included stationary web access cameras that feature motion trigger
SUMMARY

ORGANIZATION: Amity

TYPE: Educational institution, trying to build an IP surveillance system on campus. Gave D-Link India the project to implement.

BUSINESS CHALLENGES
- Need of area wide surveillance to prevent untoward incident along with maintaining strict vigil.
- Need of an online classroom scenario and recording of lectures for future reference.
- Deployment for the whole campus, maintaining strict deadline.
- Customization of software to suit Amity’s requirement.

SOLUTION
D-Link India successfully bid for the project through its partner integrator Technosys Security Systems Private Limited, a Noida-based System Integration company, which specializes in integrating security solutions.

- Primarily, it offered several camera models, which include stationary web access cameras that feature motion triggering and scheduled recording and fully-featured Pan, Tilt, Zoom (PTZ) models that feature wireless connectivity, 2-way audio, extreme low light sensitivity and smooth video recording.
- The different types of cameras were:
  - DCS-5300G 802.11g Wireless Internet Camera with Pan/Tilt: 200 numbers
  - DCS-5610 2.6x Optical Zoom PTZ PoE Internet Camera: 350 numbers
  - DCS-6620G 10x Digital and Optical Zoom Wireless PTZ Camera: 10 numbers

BENEFITS
- Monitoring of activities in and around the campus.
- PTZ Camera’s with Optical Zoom up to 10x.
- Management of IP Camera’s location-wise (E-Map feature)
- Different user level security to access IP Camera.
- Assisting students in re-viewing the lectures in case they have missed them through online recording of the lectures.
- Creating a digital library of all the subjects for future references.

scheduled recording and fully-featured PTZ models that feature wireless connectivity, two-way audio, extreme low light sensitivity and smooth video recording. In two weeks, the system integration was completed and it took only a week to complete the installation of the cameras at different locations.

- D-Link installed 200 numbers of DCS-5300G 802.11g Wireless Internet Cameras with Pan/ Tilt. The DCS-5300G is a fully-featured surveillance system that connects to an Ethernet or wireless broadband network to provide remote high-quality video and audio. One can safely access and control the DCS-5300G using web browsers. The DCS5300G Wireless Security Camera uses a CCD sensor that provides sharp and clear video with life like colour representation. The DCS-5300G Wireless Security Camera has a pan, tilt, and zoom function that can be controlled from the Web interface or from the included remote control.

- D-link also installed 350 numbers of DCS-5610 Pan/Tilt/ Zoom PoE Internet Cameras, a full-featured surveillance camera designed to monitor home, office and small business. IP surveillance systems are quickly gaining ground over conventional CCTV security cameras due to superior performance, low costs and convenient management. Features such as Power over Ethernet (PoE) support, 2x optical zoom, SIP 2-way audio, and 3G mobile phone support make this network camera a premier surveillance solution. The 10x optical zoom lens delivers the level of detail necessary to identify people, license plate numbers and other important details that are difficult to clearly view with digital zoom.

- Lastly, D-Link 10 DCS-6620G 10x Digital and Optical Zoom Wireless PTZ Cameras. It supports two-way audio with its built-in microphone and A/V port. Attaching a speaker to the A/V port allows remote communication with subjects near the camera. With the ability to record video in low light settings, the DCS-6620G can provide exceptional night-time surveillance. Extreme low-light sensitivity of .05 Lux enables recording in near total darkness.

Benefits
The benefits of the IP surveillance project at Amity were too many. Managing IP cameras location-wise (E-Map feature) is one of the best that a university of Amity’s standard can get. Not only this, D-Link also made different user-level security for the institution to access the IP cameras.

AKC Group vice-president Sodhi added: “We are quite satisfied with the surveillance system as well as the web-camera integration in classrooms. This not only helped us on several occasions in administration, but also students benefited most from the IT-enabled services on campus.”

—J S SODHI, VICE-PRESIDENT OF AKC GROUP AT AMITY

“Amity provides Education solution that offers integrated capabilities for institutes by enabling core functions, support functions and management of institutional resources. The on-demand solutions are offered through an innovative business model- ‘IT-as-a-Service’ in a ‘Pay as you use’, ‘Build as you grow’ mode. To know more about Education solution call at 1-800-209-4030 or email at smb.queries@tcs.com”