

National Crime Research  
Bureau  
Case Study

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CT Software solutions (India) Pvt. Ltd. (Convergent Technologies)

C 2601, Green Meadows, Sushant Lok -I,  
Gurgaon, Haryana 122002  
Tel: +91-124-5043628/3528

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## NCRB Objectives

The National Crime Records bureau is an important department of the Ministry of Home Affairs. It functions a clearing house for information related to crimes conducted in the country. This is no easy job, considering India has 16 percent of the world's population, and registers 5 million crimes annually, logged at 706 police districts in 35 states.

One of the first few departments to use Information Technology to its benefit, NCRB wanted to put in place a system that would allow access to and the sharing of hundreds of thousands of crime records created over decades, which existed in databases of police districts across the country.

## Crime and Criminal Information System (CCIS)

CCIS version 2k.1 is a Windows based application that stores records related to crimes and criminals, and lost and recovered property. The application resides at the NCRB office in New Delhi, and runs in district headquarters across the country. Records fed in at the district level are periodically thresholded at the center through the Offline/ Online system of data transfer, in the absence of an active online system.

The Integrated Information Forms serve as the backbone of the application, which link 140 tables, 120 forms and 160 parameters related to crimes, criminals and property. CCIS 2k.1 is potentially the largest police application in the world.

Today, CCIS is in the process of standardizing the way criminal records are maintained across the country, allowing efficient sharing of information and facilitating greater coordination at a national level. The application is partially available on a nationwide network today, and provides access to more than 5,300,000 records that are centrally located at NCRB. Owing to the Windows 2000 platform, currently CCIS also provides support for Hindi, which NCRB plans to extend to other regional languages in a phased manner.

## Solution Framework

NCRB wanted to put in place a system that would allow access to and the sharing of hundreds of thousands of crime records created over decades, which existed in databases of police districts across the country.

The system consisted of around 12 modules for data entry of various criminal records at three different levels i.e. local, state and national levels. The application is capable of exporting and importing data amongst the various levels as and when required. It also generates 65 kind of reports based on the user requirements given by NCRB. It also gives various search facilities and matching facilities of finger prints from the archives.

The developed system allows efficient sharing of information and facilitates greater coordination at a national level. This system has provided efficient archiving of criminal records and greatly increased the retrieval of records for efficient action by the sleuths.

## Technologies Used

- Microsoft Windows 2000 Advanced Server
- Microsoft SQL Server 7 Enterprise
- Microsoft Visual Basic 6.0
- Microsoft Back Office Server
- Microsoft Exchange

## Future Vision

The solution has improved the efficiency and reliability of the system. The next step is to develop a middleware for the exiting two applications:- Crime and Criminal Information System (CCIS) and Organized Crime Information System (OCIS) to integrated. This would help in automatic updating and quick data retrieval.

## Contact Information

### India

Mr. Sujit Panigrahi,  
Chief Executive Officer,  
sujit.panigrahi@convergenttec.com

Mr. Kommu Ramakanth,  
Chief Technology Officer  
kommu.ramakanth@convergenttec.com

CT Software Solutions (India) Pvt. Ltd.  
C-2601, Green Meadows,  
Sushant Lok- I, Gurgaon -122002  
Tel: 0124- 5043528/628

### North America

Ms. Lucy Das,  
President,  
Convergent Technology Solutions LLC, US  
lucydas@convergenttec.com

### Europe

Ms. Janine Handler,  
Business Development Representative – Europe, europe@convergenttec.com

Mr. Amar Swain,  
Business Development Representative – Europe, amar.swain@convergenttec.com

For more details visit us at our corporate website:  
[www.convergenttec.com](http://www.convergenttec.com)