

# Informatics

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## Happenings

### NIC's Presentation at E-Governance Workshop

From Dr Y.K Singh, NIC UP

■ **Allahabad** : Dr. N. Vijayaditya, Director General NIC delivered the key-note address and made a lucid presentation on "Information Technology and E-Governance" at a three day workshop organized by the Indian Institute of Information Technology (IIIT), Allahabad during July 28-30,2001. Describing E-Governance as 'taking government at the door-step of people', Dr. Vijayaditya informed the gathering about various successful e-gov projects implemented by NIC in India. During the event, various senior officers from NIC also delivered their respective talks on e-governance and NIC's contribution in facilitating the same in different sectors. The Workshop was inaugurated by Prof M G K Menon, famous scientist and currently the Chairman of the Board of Governors of the IIIT



### Workshop on Biomedical Research and Internet

From Anubha Goyal, SIO Andaman & Nicobar

■ **Port Blair** : To make the doctors and medical professionals aware of the resources accessible over the Internet, NIC Port Blair Centre conducted a Workshop on Biomedical Research & Internet at NIC, A&N UT Unit on 11th and 12th August, 2001. The programme was organized in collaboration with the Bibliographic Informatics Division (BID) at NIC Headquarters and officers from BID guided the participants. 25 doctors including the Director of Health Services and Medical Superintendent of A&N islands attended the workshop, which was inaugurated by Sh. Arun Goyal IAS, Secretary (Health), A&N administration . The participants were told about NIC's Biomedical Information Services, the role of Internet in Medicine and Biomedical Research, various Biomedical resources available on the Internet, search techniques and tools for searching the resources over Internet. The Indian MEDLARS Centre web site [www.indmed.nic.in](http://www.indmed.nic.in) was also demonstrated.



## Inauguration of computerized office of RTO, Lucknow

From Dr Y.K Singh, NIC UP

■ **Lucknow** : The first computerized Regional Transport Office (RTO) in the State of Uttar Pradesh was inaugurated at Lucknow by the State Transport Minister, Sh. Raja Mahendra Aridaman Singh. The computerization in the Office has been carried out by the NIC UP State Unit and an Information System, originally developed for Delhi Transport Department has been implemented. The Information System has five modules pertaining to Registration, Fitness, Enforcement, Permit and Tax Collection.



## CD-ROM on Block Level Information

From L P Sharma, NIC Sikkim

■ NIC North Sikkim has developed a CD-ROM and Booklet containing Block Level Information on all important sectors of the State Government such as health, education, land etc. The CD-ROM also contains crop and land resource statistics, location of hospitals, schools and other amenities in each block and useful write-ups on new and nascent employment and revenue generating avenues like apple cultivation and rearing angola rabbits. All important statistics have been presented graphically using pie charts and bar charts. The CD-ROM was released at the Independence Day function in the district by Sh Hissey Lachungpa, Minister of Power & Labour, Government of

Sikkim.



### **Training on RuralSoft 2000**

From CK Dhar, our Tripura Correspondent

■ A three day customized training programme on RuralSoft 2000 (Work Order Monitoring System) was organized at NIC Tripura State Unit, Agartala. The training was imparted by NIC Officials and attended by over 25 participants including officers from the Block Development Office, the Distt Rural Development Agencies and the State Rural Department. Sh Ashutosh Jindal, Director (IT) , Government of Tripura , inaugurated the training programme.



### **VC Facilitates Trials for Prisoners**

From N K Prasad, our Bihar Correspondent

■ History was recently created in the field of judiciary when , for the first time in the country, the Patna Civil Court and Beur Central Jail in Bihar were connected through NIC's Video conferencing to ensure an interface between the magistrates and the under trials. This effort turned out to be quite successful, when within three days, 39 prisoners were released after recording their statements without having to physically appear in the court. NIC implemented this system in consultation with Hon'ble Chief Justice of Patna High Court. Sh. Ravi S Dhavan

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## Multipoint VC at Chandigarh

From Vivek Verma our Chandigarh Correspondent

■ Multipoint Video Conferencing facility at the UT Secretariat, Chandigarh was recently inaugurated by Lt Gen JFR Jacob (Retd), Hon'ble Governor of Punjab and Administrator, UT Chandigarh. The facility has been provided at 12 locations in the Secretariat by NIC using its Local Area Network and the latest technology and software which allow multiple users to participate simultaneously in a VC session from different locations.





# E - Governance : Success story

## IT in Indian Courts

The National Informatics Centre (NIC) has been closely associated with the Indian Judiciary for the past eleven years. NIC's role in serving the legal community through Information Technology (IT) began as early as 1990 when the COURTIS (Court Information System) Project was conceptualized and commissioned for streamlining registries of various courts. COURTNIC was formally inaugurated by the then Hon'ble Chief Justice of India Mr Justice MN Venkatachaliah on September 25, 1993 at Bangalore. Since then, NIC, with the constant support of the Supreme Court of India has taken great strides. Today all High Courts have been computerised and interconnected through NIC's satellite-based computer-communication network NICNET. Here's an overview of this journey which stood the test of time and proved NIC's commitment towards providing effective IT services to the Indian Courts.

## Supreme Court of India



Following are some of the most important applications implemented by NIC in the Apex Court, which helped the Registry in streamlining its routine activities.

### ■ Judicial Wing

#### Filing Counter Computerization

Fresh cases are now filed only before the computerized Filing Counters. As the advocates stand in queue for Filing cases before the counters, the data entry Operator enters preliminary details of the case such as Party names, advocate details, etc., required for Registration. Filing receipts are generated; Court fee and Time Limitation are calculated automatically; Automatic registration takes place; Filing information is immediately available on Internet.

### ■ List of Business Information System (LOBIS):

This system contains pending and disposed cases since 1990. The size of the database is about 5 lack records. It is a



near time-critical application as the Cause Lists are to be generated by the computer system by the court's closing hours every day. This application also uses bunching/grouping technique, which enabled the registry in bringing down the pendency in the Apex Court.

### ■ **Court's Order/Proceedings Computerization**

This is about computerization of day-to-day orders delivered in the Court. The software enables the Court Masters in speeding up the process of typing orders/judgements by providing the preamble, which includes the Item No. of the Case in the Cause List, Names of Parties, Advocate Names, High Court/Lower Court details, Names of Judges before whom cases are listed, date of order, etc. on the screen.

### ■ **COURT NIC**

COURT NIC is an information system designed to provide the information on the status of cases in the Apex Court to a wide variety of users, from anywhere in the country.

### ■ **Record Room Computerisation**

This system keeps track of Files and Printed Records Consignment, Weeding of files, Printed Records and their maintenance, Movement of files, Tracing of files .

### ■ **Web-site of Supreme Court of India (<http://supremecourtofindia.nic.in/>)**

which provides useful information, to all concerned about the Apex Court and its functionality.

### ■ **Judicial Sections**

All Judicial Sections are provided with computer systems for: Updating the case databases pertaining to their sections; Minimizing movement of files; Generation of notices; Generation of Dismissal letters; Registration of cases; Disposal of cases; Finding status of cases; etc.

### ■ **Library Information System**

#### **i. SUP LIS -Case Indexing**

It contains citation information of all reported cases decided by the Supreme Court from 1950 onwards.

#### **ii. Current content**

It keeps track of all legal & judicial articles published in journals subscribed by the Library of Supreme Court.

#### **iii. Cataloguing**

It maintains details of all books available in the Judges' Library of Supreme Court and supports 'Issue and Return'

Various important Information Systems including the following have also been designed for effective Administration in the Supreme Court : Pay Roll; Inventory Control System; Personal Information System; Monitoring of Recovery of loans, Monitoring of Bank Guarantor's Cases, Monitoring of Payment to Petitioner/Respondent for Court ordered cases etc.

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## High Courts Computerisation

NIC took up computerisation of all 18 High Courts and 10 Benches on the lines of Apex Court's Computerisation. NIC has also implemented the List of Business Information (LOBIS) in all High Court Courts. All High Courts' Cause List are also available on Internet. Most of the High Courts have opened query counters along with Filing Counters for providing Case-status information to the litigants and advocates.

### ■ Facilities.

- All High Courts are provided with computer Hardware with back-up facility
- All Court rooms are equipped with terminals and printers and are connected on LAN
- Some High Courts Judgments and Orders are available on Internet
- Most High Courts have their Web sites
- Causelists are generated automatically
- Posting of cases to various courts are done by the system
- Court fee and Time limitations are calculated automatically
- Notices are generated
- Computer based Filing Counters are opened
- Filing receipts are generated for reference of advocates
- Query counters are available
- JUDIS & COURTNIC are available
- All High Courts are connected on NICNET/Internet
- Day to day Judgements and Orders are stored on computers
- Most of the High Courts' Libraries are computerised
- Administrative and Account applications have been computerised
- Some of the High Courts have FTDMA/IPA V-Sat based Internet connectivity

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## District Courts Computerisation

In 1997, NIC took up the computerisation of all 430 District Courts in the country on the lines of High Courts Computerisation Project. The basic objectives of the project are:

- To provide transparency of information to the litigants and advocates
- To help the judicial administration in streamlining its activities
- To provide judicial and legal databases to the District Judges

NIC provided three level training programs to the District Court officials.

- Computer Awareness Programs for the District Judges.
- Supervisory level training at NIC State Centres.

- In-house hands on training to the District Court officials working on the computer terminals.

All officials have been trained on 'District Court Information System' (DCIS) software. The DCIS Software is a huge general purpose Software package developed for the computerisation of District Courts. This software takes care of all aspects of District Court needs.

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## On the Web !!

Following are some of the web-based applications which have been successfully implemented at Supreme Court and 18 High Courts and these applications have either direct or indirect impact on the masses i.e. litigants.

### • CASE-STATUS

<http://www.casestatus.nic.in>

This website provides Supreme Courts' pending and disposed case status information to litigants/advocates on Internet. 'Case-status' gives the latest information with respect to the status of a case which could stand as: Disposed/Adjourned, Lower court details, party and advocate names etc. The moment a case is filed in the court, its 'Case-status' is available on the web. The 'Case-status' also provides all orders pertaining to a case, delivered so far by the court. The response to the 'Case-status' from the public is overwhelming, as pending cases information is available at the litigant's residence. It avoids the need for the litigants to come to Delhi from their place to find out the status of their pending cases.

### • JUDIS

<http://www.judis.nic.in>

NIC brought out Judgement Information System (JUDIS) on CD-Rom consisting of complete text of all reported judgements of Supreme Court of India from 1950 to 2000. The Judgements of 2001 onwards are available on Internet. JUDIS-CD is available on a Membership basis. Judgments can be accessed through: Part name, Advocate, Date of judgment and more importantly through Free text search. The Free text based search enables the users to retrieve all relevant judgements of a particular subject.

### • Cause Lists on Internet

<http://causelists.nic.in>

Causelists contain information on the scheduling of cases to be heard by the courts on the following day. Traditionally, the advocates receive the cyclostyled/printed copies of a day's Cause List not before 8 PM. Some High Courts send the Cause List data on floppy to the printers for printing thousands of copies. This process costs each High Court lakhs of rupees every year. Now the Cause Lists of Supreme Court and all High Courts are available on NIC web servers. Though the High Courts are maintaining both the cyclostyled copies and the Internet version for the time being, all the courts have been suggested to replace the cyclostyled version and bring out only the Internet version. By making the Cause Lists available on the Internet, none of the High Courts is incurring any expenditure as they are using the already available infrastructure and software of NIC. The Cause Lists on Internet facilitates the advocates to generate their own cause-lists consisting of his/her own cases. Retrieval can be made through the name of either

petitioner or respondent and court-wise , judge-wise or entire Cause List can be generated. Ever since NIC has made the Causelists of the Supreme Court of India and High Courts available on Internet, this application has received huge response from the advocates and litigant public.

### ■ **Daily Orders on Internet**

<http://www.dailyorders.nic.in> )

The daily orders of Supreme Court, Delhi High Court are available on the web, immediately after they are signed by the Judges. These orders are only for information to the litigants since the official copy of the signed orders has to be obtained through normal channels. This service has been an instant hit with the litigants and advocates. The databases are maintained by the respective courts. The Free text based search enables the users to access relevant orders of the court on the same subject. It also helps the users in accessing orders without knowing the case no. or party name.

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### **Quoting the words of Sh. L.C Bhadoo, Registrar General, Supreme Court of India,**

“Over the last decade, the Supreme Court of India has been employing various applications of IT with the assistance of NIC. ....It gives me a great sense of satisfaction to know that a litigant sitting in any remote corner of the Country, now can know the latest status of the matter, the orders passed, next day of hearing etc through various portals like COURTNIC, JUDIS, Daily Orders, Causelists etc. Sincere efforts of NIC have helped this Court (in) scaling this height...”

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**For further information, please contact**  
**Courts Informatics Division**  
**National Informatics Centre**  
**A- Block, CGO Complex, Lodhi Road New Delhi 110003**  
**Tel No. 91-11-4364292**  
**Email : [clist@hub.nic.in](mailto:clist@hub.nic.in)**

### Tamil Nadu

We are all aware that most of our NIC State Units in the country were established in the year 1987. However, some of you may not know that NIC offices were operational since 1977 at Mumbai, Kolkata and Chennai as IPAG/NIC Cells with the Head quarters at New Delhi.

Intel 8080 based Micro Computer (Micro 78 of ECIL) was the first system to be installed in NIC, Chennai. The system had just 64 Kilo Bytes of RAM and was used for processing more than 4000 records (punched cards) of Chennai Customs everyday and for generating various daily and monthly reports. NIC District Units were established in 20 districts in 1988. At present there are 29 NIC District Units and the centre at the newly created Ariyalur district is expected to be established by Dec 2001.

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### Major projects for State Government

NIC Tamil Nadu State Unit functions in close coordination with Government of Tamil Nadu in promoting IT applications. Some of the important current projects include the following:

- Taluk Information System is implemented in 206 taluks in the State. Land Records and Old Age Pension Disbursal System are major applications together with other applications such as Grievances, Certificates, Licenses, Payroll, Personnel, etc.
- Registration System is implemented in 125 offices. Use of Tamil, as in the case of Land Records, is a feature of this package entitled STAR (Simplified and Transparent Administration of Registration). The present version of the software is in VB/SQL Server. One Server with around four clients is installed in these offices.
- The web site created for Registration department (<http://igregn.tn.nic.in>) hosts the Guideline Value for all the streets in six Municipal Corporations (Chennai, Coimbatore, Madurai, Trichy, Salem and Tirunelveli). The web site also provides the facility to estimate the Stamp Duty involved in registering a Flat or a House in these Municipal Corporations.
- Commercial Tax Assessment Circles computerisation has been taken up in 140 offices. Most of these offices are capturing monthly collection details using the system. One client system is installed in all these offices.
- The Treasury system is implemented in 205 Sub Treasuries, 29 District Treasuries, 7 PAOs and one Pension Pay Office. It is one of the initial applications with DOS systems at Sub Treasuries and Unix at other offices.
- Chief Minister's Special Cell handles more than 1000 petitions per day and the centre uses more than 20 terminals to follow-up on the actions taken on petitions.

- Information System on Prisoners is getting implemented in nine central prisons in the state. Admissions, Court Hearing, History and Remission are some of the major modules of the system.
  - NIC is maintaining the Secretariat LAN which has more than 250 nodes and hosts the Tamil Nadu Government Web Site. The network centre has Web Servers, an Email Server and Proxy Servers.
  - Most of the offices make use of the NICNET services for transmission of periodical data for MIS applications and messages.
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## Special Projects

NIC Tamil Nadu has been working in close coordination with various Divisions at Headquarters and has also taken up the responsibility for development and implementation of some national level projects in consultation with concerned Group Heads at headquarters.

- Common Software for Export Processing Zones has been developed in consultation with Commerce Informatics Division at HQ for use at the national level. The package named as EXPRESS (EXport Processing Executive Support System), developed with Madras Export Processing Zone as pilot office, has been implemented in all other Zones in the country (Vizag, Cochin, SEEPZ, Noida, Kandla and Falta).
- Cash Certificates Accounting System has been developed for the use of Postal Accounts section of Department of Posts. The package PATRAM (Postal Accounts Transaction Monitoring system) is in use at Tamil Nadu Circle and is to be implemented in other Circles in the country.
- Block level version of RuralSoft is a generalised system for use in all states at the Block and Village Panchayat offices of the Rural Development department. The system provides exhaustive reporting and querying options with facilities to add new schemes.



**Sh. Kathirselvam, DIO, Pudukkotai receiving the award on NIC's behalf from the Collector, Pudukkotai**

- Panchayat Raj Institutions Accounting Software (PriaSoft) is another generalised software developed in consultation with Rural Informatics Division which can be used at the District, Block and Village Panchayat offices of the Rural Development Department.
  - Best use is made of GIS tools in consultation with the GIS Division of NIC. SPANS Web Server was used to host the Elections 2001 results which can be viewed at <http://gisd.tn.nic.in/election2001>
  - Tamil Nadu Maps site (<http://tnmaps.tn.nic.in>) provides district, taluk and block boundaries with list of Revenue Villages, Panchayat Villages, Towns and Municipalities. A Link is provided to the District Profiles together with contact details of the Collectors. One may also look at the contact details of all the District Informatics Officers at the URL <http://tnmaps.tn.nic.in/dios>.
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## Web Services

Web Services are amongst the most sought after services at present and NIC Tamil Nadu Unit has developed many sites in consultation with NIC HQ, some of which are listed below.

NIC is maintaining the TN Government Home Page (<http://www.tn.gov.in>) which gets updated almost on daily basis. It has the following documents:

- Government Orders of Public interest
- Citizens Charter of various departments
- Policy Notes
- Public Utility Forms
- Statistical Handbook
- Monthly TN Economy Reports
- State Government Telephone directory
- Contact details of important functionaries
- Tenders and advertisements
- Pensioners Guide

Website of State Transport Authority (<http://www.tn.gov.in/sta>) provides large number of Forms used by the department in pdf format.

Fire & Rescue Services site gives tips on Fire Fighting in addition to the details on their services. (<http://www.tn.nic.in/fireservice>)

Directorate of Estates, Chennai is maintaining a waiting list status for allotment for Govt accomodation (<http://www.tn.nic.in/estate>)

Chennai Passport Office site (<http://passport.tn.nic.in>) provides facility for entering the Passport Application details online. At present this facility is extended to registered Travel Agents. Every day more than 300 applications are being received through the web which reduces the waiting time at



the counters while submitting the forms. Application Status Enquiry facility is available for public.

Some of the GISTNIC database contents are mirrored / redesigned and hosted at <http://gistnic.tn.nic.in>.

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## District Centres

The District Centres are the pillars of NIC. The District Officers assist in promoting IT culture and spreading the same at the grass root levels. Apart from implementation of the systems, they are actively involved in developing systems which are horizontally used in other districts. The district officers in various District Centres of Tamil Nadu have contributed the most in development of applications such as Pension Disbursal System, Grievances Monitoring, DISNIC-PLANmodules, Health department systems, Taluk modules and many NICNET based applications, which were developed by some districts and used in all the districts.

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## National level Projects

The following are some of the important offices in the State where national level projects have been implemented:

- Passport Offices at Chennai and Trichy
  - Registrar of Companies at Chennai and Coimbatore
  - DGFT Offices at Chennai, Coimbatore and Madurai
  - Central Excise Commissionerates at Chennai, Coimbatore, Madurai, Trichy and their Divisional Offices
  - Customs at Chennai (Air & Sea Ports) and Tuticorin
  - High Court at Chennai
  - PLI System for Department of Posts
  - Press Information Bureau
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## NICNET Services

C200 VSAT was installed in NIC Tamil Nadu in the year 1987. With the advancement in technology, the centre now has FTDMA/IPA VSATs and DirecPC VSATs installed in all districts.

NIC Tamil Nadu's and NITPU's services are offered from the same location in Chennai . Apart from the use of VSATs for Email and Internet services, Chennai office has a 1 Mbps Internet gateway through VSNL, Chennai. The facility is extended through RF links to nine locations in the city.

NIC Chennai has also organised and participated in many Video Conferencing sessions . Based on the demonstration given on Tele-Justice applications, the Government of Tamil Nadu has approved in principle to use the VC facilities in

Courts and Prisons. In a session held for Women Development Corporation, the officers from IFAD, Rome interacted with the women beneficiaries and project implementing officers who were present in the NIC VC studio at Chennai.

NIC Tamil Nadu has, in addition, been actively supporting the State Govt during Elections. This exercise of Election Data Transmission was conducted for the first time in January 1989 in Tamil Nadu Assembly Elections in which the newly installed C200 VSATs were used at districts for transmitting data to Doordarshan.

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## **Training**

Training is an important activity at all NIC centres in Tamil Nadu. There are three well equipped training centres in Chennai. More than 1700 participants benefited during the last one year in Chennai alone apart from the large number of hands-on training being given by the District centres.

*The progress from a 64 KB RAM computer system to 128 MB RAM desktop systems is an indication of the exponential growth of computer technology. It also highlights the varied and continued services that NIC Tamil Nadu has been offering for government institutions.*

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## **In the words of Shri P Shankar, Chief Secretary to Government of Tamil Nadu:**

“NIC has been of immense help to Government to usher in E-Governance in the State and we look to their continued assistance for extending it to all spheres for better public service”



**Sh. P Shankar, Chief Secretary, Govt of Tamil Nadu visiting NIC Stall at CONNECT 2001 exhibition**

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**For further information, please contact**

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# E - Governance Products and Services

## PAO-2000 Software

From Dr VSR Krishnaiah, NIC HQ

National Informatics Centre has developed a comprehensive Financial Management Information System software "PAO-2000" for the computerization of various payment and accounting functions. In addition to payment and compilation of account, the software also covers all work related to General Provident Fund and Pension. After completion of testing at a few test sites, NIC formally released the software recently, and the first copy was handed over to Additional CGA, Shri B.S.Thapliyal. Shri Thapliyal has informed that the PAO-2000 will be implemented in all the 278 PAOs of various Ministries / Departments of Government of India. The CGA office has appreciated the efforts of the NIC team in the successful completion of the software which will be a tool for E-Governance in the PAO offices of Govt. of India.



Dr. N. Vijayaditya, DG (NIC) handing over the "PAO 2000" Software to the Additional CGA, Shri B.S. Thapliyal. Shri A.M. Sehgal, CGA and Dr. V.S.R. Krishnaiah, project leader "PAO 2000" in the Middle.

It is expected that PAO-2000 package will :

- Reduce further the time taken in the compilation of accounts and their transmission to CGA. .
- Improve accuracy, exchequer control and bank reconciliation
- Help in monitoring Pre-check, GPF and Pension Payments and the their prompt settlement.
- Enrich the accounting with more management information. .
- Higher productivity with automatic cheque printing and accounts posting, electronic transmission of accounting data and consolidation..

**For further information, write to**

[vsrk@hub.nic.in](mailto:vsrk@hub.nic.in)

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## Crew Management Information System

From Santosh Kr Shukla, our MP Correspondent

Madhya Pradesh State unit of NIC has undertaken a paid project entitled Crew Management Information System for the Office of Divisional Railway Manager, Central Railway, Bhopal. The main objective of the project is to design, develop and implement an appropriate computer based system for management of personal information of crew and monitoring of duty schedule. The master data consists of details of sections, stations, type of duty, name and designation of LOCO inspectors. The system also keeps a record of administration related data like Leave details, rest days, training, daily in-ward, out-ward, spare & banker duty data, apart from certain minimum basic personal data of crew. The system presently facilitates generation of duty form for the crew & co-crew, the running staff position, availability of crew, detailed, summary, individual reports of mileage, Over time & night duty hours for a given period besides outstation detention period, actual & bonus kilometers and allowed mileage as per the type of the duty. The system also generates Bio-data details and provide 'Due' status of road learning, safety, refresher, psycho, promotion etc. The system has been implemented and in active use at Bhopal, Itarsi and Beena Lobby of Central Railway. The same system can be implemented for any lobby with minor modifications.

**For further information, please contact**

[santosh@mpsu.mp.nic.in](mailto:santosh@mpsu.mp.nic.in)

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# Technology update

## Remote Authentication Dial-in User Service ( RADIUS )

NIC is providing dialup Internet facility to users from more than 20 locations. Till now, different locations were using different means for authentication like tacacs, local, tacacs+ , third party software etc. There was no AAA (Authentication, Authorisation and Accounting) standard being followed from the various offices. The Internet Services Group of NIC has taken the task of implementing the AAA standard in all offices of NIC. Radius (Remote Authentication Dial In User Service) is the protocol used for implementing the AAA solution. The code runs on Solaris/Linux. Radius Technology has been selected for the purpose as it is now the industry standard. It uses UDP and can assign various restrictions and privileges to users dynamically. Radius supports Roaming facility and users can be restricted on group, login basis etc. Radius support is available on almost all NAS devices. In the first phase of the Project, the radius software was installed and configured with the local NAS. While installing, five standard groups were also made in the system namely: free, paid, staff, popfree and poppaid. Basically FREE and PAID groups are for internet users and POPFREE and POPPAID group are for 'email-only' users. The Staff group is for NIC staff. While creating the users it was requested that a dialup user should be one of these five groups for dialup access. Thus this enables a uniform grouping policy for dialup. Each group has its own authorization features for e.g the users in the Free and Paid group can access all internet services while the users in the POPFREE and POPPAID groups, can access inside the NIC. Accounting scripts were also installed during this phase and a half day training was organised. A web based password change facility was also implemented for the users of these locations. Now users can change their password through the web URL [www.ren.nic.in](http://www.ren.nic.in) In the second phase roaming facility was implemented. Now the dialup users of 20 cities listed in the table can be authenticated from all the listed places for accessing the network. Hence there is no need for creating the multiple user-ids at different locations for the same user and the users can roam among these 20 locations. Example: Suppose "xyz" is the username created at Delhi and the user wants to use the dialup from Mumbai. The user has to dial the local number of Mumbai NIC office as listed in the table given below and give the username as xyz@pppdel Rest of the procedure remains the same. The RADIUS will authenticate the user from Delhi. In the next phase technologies such as ISDN line authentication, use of calling telephone number with username and password to provide further credibility to authentication mechanism, web based radwho, usage display from same web location etc may be also be implemented.

**For any further information or help, email may be sent to**

[radius@nic.in](mailto:radius@nic.in)

### Roaming Table

S.No	LOCATION	ROAMING SUFFIX	DIAL UP Nos	Support (Email & Voice)
1	Delhi	pppdel	4882222, 4366878, 6795, 5518, 5589, 6887, 6315, 3360, 3431,4360084, 4360088	support@nic.in Voice: (011)
2	Panipat	ppppnp	653422, 653464, 659476	support@pnp.nic.in Voice :01742-653468, 951742-653468 (from Delhi)

3	Goa	pppgoa	424557,	support@goa.nic.in Voice : (0832)225702
4	Pondichery	ppppondy	342013,	support@pondy.pon.nic.in Voice : 336675
5	Bhopal	pppbhopal	558256, 760853	support@mp.nic.in Voice : (0755)558299
6	Tripura*	ppptrp	322947,	support@trp.nic.in Voice : (0381) 327373
7	Pune	ppppune	5537737, 736, 5538116, 115,117, 125, 126, 127,128	support@mah.nic.in Voice: (020) 5534832/ 5534732 Extn 4110/ 4111
8	Bangalore	pppkar	5537125, 5537130, 5522925, 5522865	support@kar.nic.in Voice : (080) 5537123, 5522432
9	Chennai	ppptn	4461160, 4900028	support@tn.nic.in Voice No (044) 4917850, 4902580, 4466495
10	Gujarat	pppguj	3228860, 3228871	support@guj.nic.in Voice :(079) 3252946,3252408
11	Kolkata	pppkol	2808690, 2810130	support@wb.nic.in Voice : (033) 2407320
12	Jaipur	pppraj	364183,	support@raj.nic.in Voice : (0141)373561
13	Cochin	pppcochin	423013, 014, 015, 422892, 422901, 422910	support@ker.nic.in, Voice : (0484) 423769
14	Bhuvaneshwar	pppbhuv	402321, 2328, 2329, 2342, 2346, 2358, 2362, 7409, 411217, 7970, 7971, 7972, 7973, 7974, 7975	support@ori.nic.in Voice : (0674) 411592
15	Hyderabad	ppphyd	3220148, 3222148, 3228123, 3223169, 3221440, 3221940, 3223943, 3228442, 3222137, 3222124, 3222125, 3222116, 3222145	support@ap.nic.in Voice : (040) 3224573
16	Chandigarh	pppchd	544119, 544350 (email)	support@chd.nic.in, Voice : (0172) 544349, 778343
17	Bihar	pppbihar	212517, 239471	support@bih.nic.in Voice: (0612) 239474
18	Lucknow	pppluck	28-0193, 0994, 1210, 1250, 1335, 1529, 1535, 1550, 0544, 0546, 0548,0550	support@up.nic.in Voice: (0522) 280511, 280424
19	Andman	pppand	33486, 32277, 45798	support@and.nic.in, sio@and.nic.in Voice (03192) 32733
20	Haryana	ppphry	74-3841,2986, 1689	support@hry.nic.in Voice: (0172) 741950
21	Mumbai	pppmumbai	7561222, 7561253	support@bom.nic.in Voice : (022) 7576824, 7575783, Fax : 2853562
22	Vizag	pppvizag	505922, 505927	support@itpvis.ap.nic.in Voice : (0891) 505928



## Midnapore-Moving Ahead with Zeal !!

Midnapore is one of the largest districts in India and has a glorious past of having played an important role in India's freedom movement. The District is home to a huge population of 96,38,473 (provisional fig. of Census- 2001), spread over an area of 14,081 Sq Km. Some of the important Institutions/Industries situated at Midnapore include IIT (Kharagpur), RBI's currency printing press at Salboni, National Thermal Power Project at Kolaghat, Vidyasagar University, Petro-Chemical / Indian Oil Corporation and Port Trust at Haldia.

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## NIC Midnapore, the first in the State

Set up in May, 1988, NIC, Midnapore District Unit is the first NIC Distt Centre in West Bengal. Ever since its inception, the centre has been rendering useful services in different sectors to serve the citizens directly, besides playing a key role in the monitoring and supervision of various sections of the District Administration for E-Governance. Starting with the bare minimum, the centre is presently equipped with modern infrastructure to meet the needs of District Administration

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## Feathers in the Cap !!

NIC Midnapore has successfully carried out numerous projects for facilitating E-Governance. Noted ones amongst them include the Projects on Online Motor Vehicle Computerization and District Court Information System.

- **Online Motor Vehicles Computerisation** : There are around 1 lakh vehicles including Two Wheelers, Wheelers (Private & Transport), Bus, Trucks etc. in Midnapore. The Motor Vehicles Section (Regional Transport Office) is one of the important section of the District Administration which is mostly involved in providing the services to the public and is also responsible for collecting revenue for the Government. The host based computer system UNIX SVR 4.2 O.S. and Oracle 6.0 RDBMS were installed here in 1996 by NIC Midnapore. Since then, online transaction has been made operational to facilitate the people. Registration of Vehicles (Transport & Private), Tax Collections, CF updations, National Permit, Issue of Blue Book, Miscellaneous Receipt etc. of the Regional Transport office are done through online operation.

- **District Court Information System (DCIS)** : Having the largest population in the Country,



the number of litigants in Midnapore is also large as a large number of cases are filed in the Court. There are 19 filing courts including Civil and Criminal cases. The District Judge's court computer center set-up by NIC was remotely inaugurated by the then Hon'ble Chief Justice of the Supreme Court, Justice A.M.Ahmadi on 4th March, 1997 by sending a E-mail to the respective District Judge. The District and Session Judge's Court has since been provided with one Host based computer system with District Court Information System Application software. The case filing for the civil and criminal cases, Cause List generation, Case allocation, Court Apart from the above, NIC Midnapore has been actively associated with many other Projects /Services including the following :

**Land Acquisition Compensation :** Land Acquisition is one of the important activities in the district as land is to be acquired for the purpose of some important projects like Digha Tamluk Railway, Expansion of NH-6, Setting up of Industries at Haldia etc. The computer set up has been installed by NIC at the Land Acquisition Officer's office at Midnapore and Haldia for computerization. The Application software has been developed in Visual Foxpro 6.0. The issue of notices, Calculation of compensation, Preparation Estimates, Awards Acquittance etc. are all done using computers. A database has been developed and maintained for the Arms license of this sensitive district. The application is processed through computer and license is issued and renewed in the statutory Form-III.

- District Industry Centre has been provided with an application software developed by NIC using which Small Scale Industries gets registered provisionally first and then the regular registrations are done for those SSI's which meet the criteria. There are around 50,000 provisional SSI and 10,000 regular SSI's in the district.
- Election Result Compilation and transmission to Doordarshan of the 37 Assembly Constituencies of this district during the Election to the West Bengal Legislative Assembly, 2001 and Bye Election to the 32-Midnapore Parliamentary Constituency is another important activity carried out successfully by NIC Midnapore.
- Publication of Draft and final Electoral Roll of Midnapore District with 7225 Polling Stations was done centrally at District Headquarters. NIC played a vital role in the entire exercise. After the publication of final electoral roll, a CD was prepared and handed over to all political parties along with the hard copy of the roll.
- Another major achievement towards the Citizen oriented service of NIC-

Midnapore is to supervise the data entry and validation of land records informations Dag & Khatian for the 54 blocks over 10000 Mouzas.

Various other sectors are being explored where it is feasible to use Information Technology for a better Citizen Government interface in future. Moreover, DRDA, Midnapore is one of the 15 pilot DRDAs for the implementation of RURAL SOFT - 2000 selected by the Ministry of Rural Development, Govt. of India.

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## **On the Web !!**

The WEBSITE of Midnapore District is being developed with rich content comprising important information and pictures of this district . Important application forms and forms for lodging complaints, grievance are also being included in the website which will soon be launched on the Internet.

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## **In the words of Sh A K Bala , IAS, Additional District Magistrate, Midnapore**

“ NIC Midnapore District Centre has been rendering useful services to the District Administration for the promotion of IT culture and towards the achievement of E-Governance.”

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### **Contact**

NIC Midnapore District Centre  
District Informatics Officer : Sh. S.M.Rahman  
District Informatics Assistant: Sh. Jageswar Sahu  
**Email** : [wmdp@water.nic.in](mailto:wmdp@water.nic.in)

## The Team Spirit

Crucial to the success of any group venture is the team spirit of the people involved. The same holds true for Informatics which can fulfill its goal of providing the readers with useful information about NIC's activities for facilitation of E-Governance only with the co-operation and efforts of the "Correspondents" based in every nook and corner of the Country. With the new look, Informatics has also refreshed its list of correspondents and one/two officers have been nominated from each State/Union Territory who will ensure that their State/UT gets adequate coverage in Informatics. These correspondents will be the contact points for NIC Officials who want to contribute for Informatics. All reports, features and articles for publication are to be sent to the correspondents who in turn will pass them on to the Editorial Team. In case of any major event being organized at any place, the correspondents may be requested to cover the event personally and report the same for publication. A list of the correspondents from various States/UTs is given below.

**Let us all work together and lift Informatics to new heights.....**

**Sonal Kalra**

State / UT	Correspondents	Email
Andaman & Nicobar	Mr. Rajiv Lal, SA ; Mr. Gautam Gupta, SA,	rajiv@and.nic.in ; gautam@and.nic.in
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Arunachal Pradesh	Mr. Tasso Habung, SSA ; Mr. Jyotish Roy, SSA	sio-arn@hub.nic.in
Assam	Mr. Tasiruddin Ahmed, SSA ; Ms Geetashree Thakur, SB	tasir@assam.nic.in ; gita@assam.nic.in
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West Bengal	Dr Debasis Ghosh, SA ; Mr Motiur Rahman, DIO	debasis@cal.wb.nic.in ; wbmddp@water.nic.in

# Cyber Governance

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NIC provides a complete range of website development and/or hosting services to the Ministries, Govt Departments , States/UTs and other Government organizations under its "India-Image" programme. Many new websites get launched on NIC's web servers on a regular basis. Here's a glimpse of some of them, launched during the last quarter :-

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## **Bihar State**

<http://bihar.nic.in>

The Official web site of Bihar State was recently launched on the Internet by Smt Rabri Devi, Hon'ble Chief Minister, Bihar. The website contains a plethora of information about the State and its various facets such as Government, Education, Tourism etc. Special emphasis has been given to providing online information about the various popular schemes run by the Government for the downtrodden and economically backward citizens of the State. The inauguration function of the website was also attended by Dr N. Vijayaditya, Director General, NIC through Video Conferencing from New Delhi. Dr Vijayaditya spoke on the occasion and emphasized the importance and efficacy of a website in the present IT scenario. The website has been designed and hosted by the Bihar State Unit of NIC. During the ceremony , the Chief Minister of the State also presented a memento to Dr Saurabh Gupta, SIO Bihar as a token of appreciation for NIC's efforts in developing the website.



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## **Districts of Assam**

<http://assamdistricts.nic.in>

The Government of Assam, in a new initiative to bring governance closer to the masses and make it more citizen oriented has developed and launched websites for all districts of Assam. NIC Assam State Unit and the respective District Units have been responsible for the design and development of these



sites which have also been hosted on the NIC web server. All these websites contain in-depth information about the respective district including its profile, administration, tourism, industry, block-level information etc. The websites were formally inaugurated on Independence Day by Sh. Tarun Gogoi , Hon'ble Chief Minister, Assam , in Guwahati and by several Ministers in the respective District Headquarters. The various District websites have been launched on the Internet at the following URLs.

Barpeta : <http://barpeta.nic.in>  
Bongaigaon : <http://bongaigaon.nic.in>  
Cachar : <http://cachar.nic.in>  
Darrang : <http://darrang.nic.in>  
Dhemaji : <http://dhemaji.nic.in>  
Dhubri : <http://dhubri.nic.in>  
Dibrugarh : <http://dibrugarh.nic.in>  
Goalpara : <http://goalpara.nic.in>  
Golaghat : <http://golaghat.nic.in>  
Hailakandi : <http://hailakandi.nic.in>  
Jorhat : <http://jorhat.nic.in>  
Kamrup : <http://kamrup.nic.in>  
Karbianglong : <http://karbianglong.nic.in>  
Kokrajhar : <http://kokrajhar.nic.in>  
Lakhimpur : <http://lakhimpur.nic.in>  
Morigaon : <http://morigaon.nic.in>  
Nagaon : <http://nagaon.nic.in>  
Nalbari : <http://nalbari.nic.in>  
Nchills : <http://nchills.nic.in>  
Sivasagar : <http://sivasagar.nic.in>  
Sonitpur : <http://sonitpur.nic.in>  
Tinsukia : <http://tinsukia.nic.in>

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**Lakshadweep**

<http://lakshadweep.nic.in>



The picturesque island of Lakshadweep (UT) recently revised the look and content of its website. The new website contains detailed information on Lakshadweep and aspects such as its Profile, Tourism, Administration, Government Departments etc. The website , developed by NIC Lakshadweep Unit also hosts the complete Telephone and Email directory of the UT's Government, besides a visually appealing photo gallery. An interesting feature is the detailed information, including fares, of Ship/Helicopter Travel in the Islands for the benefit of the visitors. The revised website was inaugurated on Independence Day by Sh. K S Mehara, Hon'ble Administrator, Lakshadweep at a special function held at the Secretariat

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## **District Jalaun**

<http://jalaun.nic.in>

Jalaun District in Uttar Pradesh recently launched its website on NIC's web server. The website provides useful information about the various on-going projects in the District and also gives a link to important statistics. Also present on the website is the complete Telephone Directory of Government Departments in the District. The website, designed and developed by NIC Jalaun District Unit was formally launched by the District Collector Sh. Chandrabhanu, who appreciated NIC's efforts in establishing the presence of Jalaun on the World Wide Web.



## From the Desk of Director General, NIC

It is heartening to note that the newsletter "Informatics" has entered in the tenth year of its publication. During the last nine years, this newsletter carried articles related to Information and Communication Technology (ICT) Applications, software products, state-of-the-art technology tools, implementation issues, success stories, network architecture and solutions provided by NIC to the Government at various levels through its large number of offices set up across the Country.



NIC has been extending its ICT support to the nation at all times whether it is during the Elections, Budget or in times of Natural calamities.

During the last 25 years, NIC has been instrumental in promotion of Information and Communication Technology (ICT) applications in Government Departments at the Central, State and District levels thereby facilitating improvement in government services and wider transparency in government functions. NIC has been playing an important role of an active catalyst and facilitator in Informatics development programmes across the various branches of the Government, be it legislature, executive or judiciary.

As you are aware, NIC successfully connected offices at district, state and national levels by deploying NICNET, its state-of-the-art satellite based communication network, during 1985-90, and the efforts in this direction are now proposed to extend even upto the sub-district level during the tenth plan (2002-2007). Over this period, NIC has been constantly committed towards upgrading its tools and services, including network, thus keeping pace with the changes in the requirement and technology.

Emergence of Information Technology on the national agenda and the announcement of IT policies by various State Governments has further strengthened NIC's resolve to provide network infrastructure facility, network services, application services and domain knowledge to promote e-governance at all levels. This makes me recall NIC's initiatives in the past, of applying and sustaining information systems with the help of our patrons, which are today proving to be the foundation stones for the effective implementation of e-governance. NIC is committed to facilitate and strengthen e-governance which requires reforms in administrative processes as an essential input, for achieving synergy between the virtual and physical space of governance. I hope to get your unstinted co-operation in realising our vision of extending the fruits of e-governance to the masses.

This newsletter has become a quintessential communication tool among the IT professionals and administrators, to share experience and expertise gained in government informatics. It has been addressing the pattern of demand and thus adopting appropriate design and content changes to fulfill the information needs of the readers.

I congratulate the Editorial Team for their dedicated teamwork in bringing out a professional publication both in print and electronic media.

(Dr. N. Vijayaditya)  
Director General  
National Informatics Centre

## From You to Us

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Readers are invited to send their comments/suggestions to the Editor through this column. Your letters may be sent through

**email at**

[inform@hub.nic.in](mailto:inform@hub.nic.in)

**or by post at the following address :**

Room No. 427, 4th Floor, NIC Headquarters, A-Block, CGO Complex, Lodhi Road, N.Delhi 110003

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■ **Dear Editor,**

It was a scintillating experience reading the new version of Informatics July 2001. Informatics, in its new garb, is not only focusing on our niche area ie E-Governance, it also has features such as 'State in focus', 'District Informatics'etc . Congratulations to the Editorial team for the new look !!! We may also include a separate column for Ministry Centres of NIC. I do not recommend a section on pure technical articles, but we may include issues which may help users appreciate the software development and implementation process.

**Navneet Kukreja**  
NIC Punjab State Unit

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■ **Dear Editor,**

New Look of Informatics is real good. Informations on state govt. projects does inspire and provide lot of good ideas for future computing. This provide the best way for knowing what is happening around us. I am a regular reader of Informatics and hope Informatics continues to provide valuable information on e-governance all over country. Please add one column for contributions/articles from any person of the organization so that if any new innovation has been done, then it can be communicated to all of us. Wish your great endeavor continues.

**Shailesh Shrivastava**  
NIC Bihar State Unit