CHAPTER-2

NATIONAL INSTITUTION OF TECHNOLOGY LIBRARIES IN INDIA
India is one of the largest producers of engineering graduates from different institutions. Many of them get into diversified branches of Engineering as per the local demand and market potential. As such, Government of India has setup 8 IIT centers of excellence which attract the young cream of the country for admissions. Still a large quantum of younger generation gets into 20 National Institute of Technology (NIT) across the country. These institutions have a local baring for specialization as for the resources and demand like Mining, Irrigation, Textiles, Chemicals, Mechanical and Electronics etc.

In order to give fair picture, briefly all the 20 NITs are spread out in this chapter. Focusing the library attached to them keeping in view of research the institution, the 4 NITs located in southern states have been selected. There 4 libraries conduct refresh corn to the student and faculty, besides organizational setup and services rendered for highlighting the best NIT libraries and to arrive at a general model for the over all setup. With this in mind, the NITs of Warangal, Tiruchi, Calicut and Suratkal were taken up.

2.1 NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL (A.P)
2.1.1 Brief History

National Institute of Technology, Warangal (Deemed University), formerly known as Regional Engineering College, was established in 1959. Pandit Jawaharlal Nehru laid the foundation stone for this institute on October 10, 1959, the first in the chain of 20 NITs (formerly known as RECs) in the country.

The Institute is well known for its dedicated faculty and staff, state-of-the-art infrastructure and excellent placement. As a NIT, it is in the processes
of improving its standards to the level of a global technical institute. The curriculum has already been changed following the IIT pattern. The infrastructure in the Institute is also being gradually improved. The Institute has received World Bank Assistance of Rs. 11.41 crores under TEQIP (Technical Education Quality Improvement Programme) for its development in 2004.

It is a residential campus with all the basic facilities for both the students and staff to live on the campus. The following statistical figures might give an idea about the buildings in the campus.

The placement service at the institute is one of the best of its kind in the country. The alumni of the institute held responsible and enviable positions all over the world and are in constant touch with the institute. Every new entrant into the portals of this institution is poised for partaking a rich heritage and tradition that is unique to NITW. According to NASSCOM Data Quest Survey, NITW clinches the 7th rank among the technical institutes in the country.

2.1.2 Central Library

The Central Library supports the teaching and research programmes of the Institute and provides facilities for general reading and disseminates information according to the requirement of the users. It is housed in a separate building with a plinth area of 4000 sq. mtrs. Books, back volumes, technical pamphlets, standards, CD-ROMs, Video cassettes etc. The total cost of the books is Rs. 4.76 crores and it receives 210 journals, 121 Indian and 89 Foreign at a cost of Rs. 4.43 lakhs. It also receives 2000 on-line journals through INDEST set-up by MHRD, Government of India.

The services and operations in the Central Library are fully computerized. The database of entire library acquisitions was created using LIBSYS software and it works under NT environment. The main server is Pentium II Compaq Presario 300 MHz.
2.1.3 **Virtual Library**

The Central Library is also planned to establish Virtual Library to access the archive off-line information received in the form of CD / DVD etc. through INDEST Consortia MHRD, Govt. of India (e-Journals of pro-quest, B.I.S etc.) and e-books through suppliers. The Library had already procured IT infrastructure i.e hard disk caching server and (50) Computer Systems, Furniture etc. for this purpose to cater to the needs of the users.

2.1.4 **Institutional Repository (IR)**

It is also proposed to establish IR (Institutional Repository) a digital archive of research out-put created by the Faculty, Research Scholars and Dissertations of UG/PG/M.Tech. Programmes and able to access through on-line to the end-user in the institute. The procurement of relevant IT infrastructure i.e. hard disk-caching server, systems and furniture etc. are in the pipe line.

2.1.5 **DELNET**

The DELNET (Developing Library Network) New Delhi connectivity is also provided in the Library for searching bibliographical database and abstracts of various technical subjects of the other institution.

2.1.6 **Audio-Visual**

The Library is also having 350 Video Cassettes of expert Lectures delivered on various engineering disciplines and applied sciences. TWO TVs and TWO VCRs are installed in the Audio Visual Section. The users can view/avail this facility in the Library.

2.1.7 **MANA-TV**

The Department of Information Technology and Communication, Govt. of Andhra Pradesh, Hyderabad (APTS) has installed a video conferencing IT infrastructure viz. Pentium IV, CCD Camera, telephone, 29
inches TV etc. for sharing expert Lecture's among the educational / engineering institutions between 11.00AM and 12.00 Noon and repeated between 2.30 PM ad 3.30PM. The seating capacity is 60.

2.1.8 IT-Facilities

The Central Library is connected to the CAMPUS LAN. The Library server works under Windows NT environment. Subsequently, the house keeping operations and services such as acquisition entries, serial control, circulation of books, using of barcode system for issue and return of books have been computerized. The faculty members can access the bibliographic data from their respective departments through the campus LAN.

2.1.9 Digital Library

The Library has campus LAN connectivity through the Computer Center and is connected to Web Server (P III, I GHz Compaq Presario). Around 50 Systems providing network facility are installed for browsing. The MHRD, GOI, New Delhi set up a consortium based subscription to electronic resources for technical education system named as INDEST (Indian Digital Library in Engineering, Science and Technology) and received about 2000 on-line journals. It's head-quarters is at IIT Delhi. The on-line journals that are available through INDEST are:


A network CD-ROM Tower with (14) drives is also installed to retrieve the information through CD-ROMS, Disks etc. of various subjects received along with printed materials. The Library has also procured a Hard Disk caching solution (500 GB) and installed in the Digital Library. The archive data of on-line journals received through INDEST, an e-consortium
and the data of 800 CD-ROMs available in the Library loaded in the system and made it accessible in the Library and also in the departments through the LAN.

2.1.10 Courses Offered

M.Tech courses in Civil Engineering, Electrical Engineering, Mechanical Engineering, Electronics & Communication Engineering, Metallurgical Engineering, Chemical Engineering, Computer Science & Engineering, MCA, MBA, MSIT.

2.2 NATIONAL INSTITUTE OF TECHNOLOGY TIRUCHIRAPALLI (T.N)

2.2.1 Brief History

The National Institute of Technology, Tiruchirapalli is situated in the temple town of Tiruchirapalli also known a Trichy, in the Indian state of Tamil Nadu. Initially known as Regional Engineering College, Tiruchirapalli, this college of engineering and technology became a Deemed University in the year 2003. The institute is registered under the Indian Societies Act, 1960 and is governed by a Board of Directors.

Because of this rich experience this institution was granted Deemed University Status with the approval of the UGC/AICTE and Govt. of India. Residential facilities are provided for most of the students and staff in the spacious college campus of about 800 acres. Essential basic amenities like Hospital, Post & Telegraph, Telecom Center, fully computerized State Bank of India branch with ATM facility, Book stall, Reprographic Center, Canteen, Co-operation Stores etc. are also available in the Campus. Laboratories and Workshops with sophisticated and modernized machineries/equipment like Traffic Management Systems, Radar Speedometer, 100 Ton Capacity Universal Testing Machine.
NITT has Campus-Wide Local Area Network with number of systems to provide computer training to 900 students at a time, 2 mbps Internet connection through STPi are available in the Octagon. This center is open 24 hours a day for use by students and staff.

2.2.2 Special Collections Available at the Central Library

The special collections available at the central library Competitive Exams Guides an Manuals (Gate, GRE, CAT, AIEEE, JEE, etc), Electronic, Journals and Books, Audio and Video Educational Cassettes, CDROMS, Web Mail, Web team, Right to information,

Today the library boasts of a state of the art Audio Visual Section and a CD ROM workstation.

2.2.3 Audio-Visual Section

The Audio-Visual Section is equipped with a Microfilm Reader, Lingua phone Laboratory, Audio Cassette Players, Colour Television Sets, Video Cassette Recorders and over 1400 Educational Audio & Video cassettes. Discs on almost all foreign languages are available in the library. Students use the record players and computers for preparing for TOEFL and GRE examinations.

2.2.4 CD-ROM Workstation

The library has been subscribing to DIALOG ON DISC Compendex Plus (Engineering Index) CD-ROM database from 1987 to date and now it is known as KR INFORMATION ON DISC. Under the UK-India RECs Project, the library has subscribed to UMI /PROQUEST INSPEC ON DISC CD-ROM database from 1996 to 1998. These two databases cover the entire Engineering field and Physics.

Under the Center of Excellence scheme the library has procured McGraw Hill Multimedia Encyclopedia of Science and Technology on CD-
With the introduction of CD-ROM work-station, the world of engineering literature is at one's fingertips. The D-ROM is really a boon for literature survey, especially for research scholars. CD-ROM works on a set of menus which is user friendly.

2.2.5 Library Automation

The Library is automated using integrated software called "LIBSYS" latest version (constantly updated) with the following main modules for the Library in-house operations:

For the purpose of Library Automation, fifteen Pentium IV computers, 6 Laser printers and 3 Scanners have been installed under LAN with the Windows 2000s operating systems.

2.2.6 OPAC [On-Line Public Access Catalog]

The Online Public Access Catalog allows for the access of bibliographic databases of the books, Reports, CD-ROMs and journals available in the library. The catalog includes a word-based search facility using Boolean operators that can narrow down a search to meet very specific needs.

The OPAC can be accessed by using the Intranet facility available through LAN under the following IP addresses and options. Photocopying/Xerox facility is available for the users of the Library with a reasonable charge of 0.75 paisa per page.

Bulletin Board service, News headlines with weekly update, Current awareness service, CD-ROM search service, Audio-visual service (educational cassettes), Membership to external agencies and individuals are also available.
2.2.7 Digital Library Collections

E-Books

The National Institute of Technology Libraries subscribed to 670 titles of E-Books from Springer (India) Pvt. Ltd., which are accessed through INTRANET. The library subscribing for 9 e-journals apart from free e-journals available on-line.

E-Resources

E-resources available for rect/nitt on-line users thru' INDEST consortium:

Electronic Resources Subscribed by the INDEST Consortium

The INDEST consortium subscribes to the following resources. These resources are being made available to various institutions as per the recommendation of the expert group. All electronic resources are made available from the publisher’s Web site.

IEL Online

The IEEE/IEE Electronic Library (IEL) provides and covers almost one third of the world's current electrical engineering and computer science literature, providing unparalleled access to publications from the Institute of Electrical and Electronics Engineers (IEEE) and the Institution of Electrical Engineers (IEE). The resource covers more than 780,000 documents from over 12,000 publications, including 120 journals, transactions, magazines, conference proceedings, IEEE Standards. More than 25,000 new pages are added per month. It provides access to more than two million full-page PDF images, including all original charts, graphs, diagrams, photographs, and illustrative material.
Resource

120 journals, transactions, magazines, conference proceedings, Standards Media: Web Back-files: 1988 onwards

Archival Access

Archival data free of charge after five years continuous subscription to IEL for Cat. II and III Simultaneous Access Limited (IITs & IISc: 15; NITs RECs: 5; IIITs & PEC – 1) Link to Print: ASPP Package is made available at a highly discounted rates Accessible to: All Categories Join INDEST

Elsevier's Science Direct

Science Direct is the web-based interface to the full-text database of Elsevier Science journals and Academic Press (Ideal), one of the world's largest providers of scientific, technical and medical (STM) literature.

Springer Verlag's Link

The Springer's Link is the online e-books and e-journals service from Springer Verlag, one of the world's leading scientific publishers. Key subject areas include Mathematics, Computer Science, Physics, Astronomy, Geosciences, Chemistry, Engineering and Medicine. The resource include over 400 current journals of the highest quality, as well as more than 20 book series. Currently over 3, 40,000 full-text articles are available in Springer Link.

Applied Science and Technology Plus

The Applied Science & Technology Plus (ASTP) is a CD-ROM database (with access to the Web). The database provides indices and full abstracts to more than 556 key science and engineering titles, plus full-image of 160 titles. All titles are indexed from 1994 onward and the database is updated monthly. The resource is offered on Web with CD-ROM backup. While IITs and IISc have online access to ASTP, the NITs, RECs, SLIET, ISM and NERIST get Web-based access as well as backup on CD ROM.
ACM Digital Library

The ACM Digital Library incorporates digital versions of works published by ACM since its inception. The major components of the resource is an enhanced version of the ACM Digital Library plus an extended bibliographic database, consisting of more than a quarter-million citations of core works in computing. The ACM Digital Library hosts over 103,000 full-text articles from ACM journals, magazines, and conference proceedings and half million bibliographic Records with about 2,50,000 links to full bibliographic information and 70,000 further links to full text resources.

ASCE Journals

The American Society of Civil Engineers (ASCE) is recognized globally for their significant contribution and dedication to the advancement of science and education in the civil engineering profession. The ASCE publishes 30 journals, periodicals and transactions that cover a comprehensive range of the civil engineering profession. The ASCE journals are widely cited and are most relevant to the civil engineers for exchanging technical and professional knowledge. Information published in the journals of ASCE forms archival records not only of the technical advances of the ASCE but of the civil engineering profession as a whole.

ASME Journals

The American Society of Mechanical Engineers is a nonprofit educational and technical organization serving a worldwide community of mechanical engineers. The ASME conducts one of the world's largest technical publishing operations.

2.2.8 Bibliographic Databases

Compendex on EI Village

The Compendex is the most comprehensive bibliographic database of engineering research available today, containing almost seven million references and abstracts taken from over 5,000 engineering journals, conferences and technical reports.
The J-Gate Custom Content for Consortium (JCCC) is a virtual library of journal literature created as customized e-journals access gateway and database solution for the INDEST consortium. It acts as one-point access to 4,000+ subscribed currently by all the IITs and IISc and available on-line. The service offers the following facilities and benefits to users.

2.2.9 Courses at NIT Trichy

The following courses are offered at the National Institute of Technology, Tiruchirapalli.

B.Tech, B.Arch, M.Tech, M.Sc, MCA, MBA, M.S. and Ph.D.

2.3 NATIONAL INSTITUTE OF TECHNOLOGY, CALICUT (KERALA)

2.3.1 Brief History

Setup in a picturesque landscape at the foothills of the Western Ghats, National Institute of Technology, Calicut (NITC) is located about 22 kilometers north-east of Calicut City. National Institute of Technology, Calicut is one of the premier national institutions for technical education in India. This was formerly known as Calicut Regional Engineering (CREC). CREC was born in September 1961 as the ninth of its kind and the first one to be established during the Third Five Year Plan period. It has been established with the idea of fostering national integration by imparting technical education to students from all over India. Ministry of Human Resource Development accorded Deemed University Status to NIT Calicut in June 2002. NITs is administered by a society registered under the Societies Registration Act XXI of 1960.

2.3.2 Central Library

Central library at National Institute of Technology Calicut, Kerala State, India, offers its services to about 8000 users comprising undergraduate, post graduate students and research scholars of different branches of
Engineering and Faculty and Staff from various departments of the institute and Neighboring Institutions. The NITC Library underwent considerable modernization over the past decade in terms of traditional holdings, back volume collections, digital resources, electronic databases etc. The Library uses Automation software for its operations with a fully bar-coded collection and offers OPCA service throughout the Campus LAN.

2.3.3 Library Resources

National Institute of Technology Library Calicut is one of the best technical libraries in the country. The library has a good holding of valuable books, journals, reports and CD-ROM databases.

The annual budget for the journals of the library is around Rs.45 Lakhs. The library subscribes all the major journals in Engineering, Technology, Sciences and Humanities. The Digital Library is subscribing to various electronic journals and CD-ROM databases. The library has also plans to share the resources available at other NITC libraries through internet.

2.3.4 Services


Electronic Journals

Subscribed by Nalanda Digital Library

ACM Digital Library
Ei Village 2
IEEE/IEEE Electronic Library
ASME Journals
Springer Verlag's Link

IOP science (trial)
Elsevier's Science Direct
ACM Reviews
ASCE Journals
Nature
E-Database

Electronic Database
Subscribed by Nalanda Digital Library

ASTM Standard (Online)  
BIS (CD-ROM)  
J-Gate Custom Content for Consortia (JCCC)  
Papersinvited.com  
OPAC (Library Search)  
Conference Alerts  
Digital Engineering Library  
CSA Databases

E-Books Online

Electronic Books
Subscribed by Nalanda Digital Library

Knovel e-books  
Net Library  
Institutional subscription  
Springer Engineering Library  
ebrary  
Referex e-books collection  
Springer Link e-books  
Wiley e-books  
Springer Computer Science Library
2.3.5 Facilities

Ph.D facility for doing research leading to Ph.D degree is available in the departments including Architecture, Civil Engineering, Computer Engineering, Electronic Engineering, Mechanical Engineering, Mathematics, Science & Humanities.

2.3.6 Courses Offered


2.4 NATIONAL INSTITUTE OF TECHNOLOGY, SURATKAL (KARNATAKA)

2.4.1 Brief History

National Institute of Technology (NIT) Surathkal is one of the best engineering colleges in India. The college was established in 1960 as a joint venture between Government of India and Government of Karnataka. The college was earlier known as Karnataka Regional Engineering College. In 2002, the college was accorded the status of Deemed University and was renamed as National Institute of Technology Surathkal.

A computer terminal provided at the counter near the entrance can be used to gain information regarding status of availability and particulars of any book. The in-house activities of the library have been computerized using the LIBSYS software. A bar-code system of issue and return of books is currently in use.

NIT Surathkal offers 4-year B. Tech programs in Civil Engineering, Mechanical Engineering, Electrical & Electronics Engineering, Metallurgical & Materials Engineering, Chemical Engineering, Electronics & Communications Engineering, Mining Engineering, Computer Engineering & Information technology. Admissions to B. Tech programs are made on the basis of performance in AIEEE.

2.4.2 Services

The library offers a variety of services such as:

Open Access System, New arrivals list, Newspaper clipping service, Selective, Dissemination of information & Current Awareness Services, Book Bank Facility, Digital Library, Inter library loan of books Reprographic service, ON-LINE public access catalogue, CD-ROM data base access, Multimedia, Video/Audio service, Compilation of Bibliographies on selected topics, Practical & Apprentice Training for Diploma and Degree students of Library & Information Science, ON-LINE Information retrieval through DELNET, INDEST Consortia, NICMAP, CMTI Bangalore, BL.I.Sc & M.L.I.Sc courses through IGNOU.

ACM Digital Library

The ACM Digital Library incorporates digital versions of works published by ACM since its inception. The major components of the resource is an enhanced version of the ACM Digital Library plus an extended bibliographic database, consisting initially of more than a quarter-million citations of core works in computing. These works are of all types (journals, proceedings, books, technical reports, theses, among others) and from all the major publishers in the discipline.
American Society of Civil Engineers

ASCE journals are highly cited and are most relevant to the civil engineers for exchanging technical and professional knowledge. Information published in the journals of ASCE forms archival records not only of the technical advances of the ASCE but of the civil engineering profession as a whole.

American Society of Mechanical Engineers

The ASME promotes and enhances the technical competency and professional well-being through quality programs and activities in mechanical engineering and enables its practitioners to contribute better to the well-being of humankind through its publications that included 19 journals. The ASME subscription through INDEST Consortium also covers Applied Mechanics Review.

EI Compendex Plus

The Ei Compendex provides summaries of technical reports, journal articles, and conference papers and proceedings. Ei Compendex is the world's only fully interdisciplinary engineering indexing and abstracting service. It covers over 2,600 international engineering journals, conference proceedings and technical reports. Each year 200,000 new abstracts are added within the broad applied engineering areas.

IEL Online

The IEEE/IEE Electronic Library (IEL) covers almost one third of the world's current electrical engineering and computer science literature, providing unparalleled access to publications from the Institute of Electrical and Electronics Engineers (IEEE) and the Institution of Electrical Engineers (IEE). The resource covers more than 950,000 documents from over 12,000 publications, including 120 journals, transactions, magazines, conference
proceedings and IEEE Standards. More than 25,000 new pages are added per month. It provides access to more than two million full-page PDF images, including all original charts, graphs, diagrams, photographs and illustrative material.

**Indian Standards**

The intranet version of Indian standards on hard disc and CD ROM offered through the INDEST Consortium includes the entire collection of 18,000 odd Indian Standards. The search engine allows everyone to identify, view and print Indian Standards by Standards Number, Standards Title, Text in the Scope of the Standards and Search-in-Search (Nested search). New and Revised standards can also be searched.

**J-Gate**

The J-Gate is an Internet gateway and portal set up nearly two-years ago by informatics (India) Ltd. It offers affordable access to global electronic journal literature. It provides seamless access to journal articles through database interface of 10,000+ e-journals. Currently J-Gate offers two types of products/services, i.e., 1) J-Gate Portal which offers `Directory of e-journals including more than 9,000 journals listed with link to journal/publishers site, 2) Table of Contents (TOC) for an equal number of journals and 3) a comprehensive searchable database consisting of more than 10 Lakhs+ articles added every year.

**JCCC INDEST and Photocopy Service**

J-Gate Custom Content for Consortium (JCCC) is a virtual library of journal literature created as customized e-journals access gateway and database solution for the INDEST consortium. It acts as one-point access to 4,000+ subscribed currently by all the IITs and IISc and available on-line. The service offers the following facilities and benefits to users.

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Nature

Nature Publishing Group is committed to publishing high quality, rigorously peer reviewed research, review and reference material; timely news and essential career and recruitment information in print and on-line. A leading publisher of scientific information, the NPG portfolio combines the excellence of Nature, its associated primary research journals, the recently launched Nature Reviews journals, 30 leading international scientific and medical journals and reference titles.

Proquest Science Journals (Formerly Applied Science and Technology Plus)

Proquest Science (Formerly Applied Science and Technology plus (ASTP) is a CD-ROM database (with access to the Web) that provides access to the full text of articles indexed in the H.W. Wilson Applied Science and Technology. Proquest Science is offered by the UMI. It provides indices and abstracts to more than 350 key science and engineering titles, plus full-image coverage of 250 titles. All titles are indexed from 1994 onwards and the database is updated monthly.

Science Direct

Science Direct is a web-based interface to the full-text database of Elsevier Science journals and Academic Press (Ideal), one of the worlds largest providers of scientific, technical and medical (STM) literature. The Science Direct offers a rich electronic environment for research journals, bibliographic databases and reference works. The database offers more than 1700 scientific, technical and medical peer-reviewed journals, over 59 million abstracts, over 5.5 million full-text scientific journal articles, an expanding suite of bibliographic databases and linking to another one million full-text articles via Cross Ref to other publishers platforms.
Ph.D. Theses

Ph.D. Theses submitted to the NITK Surathkal from the year 2004 are available for access within the campus through the Intranet.

E - Resources

The INDEST-AICTE consortium subscribes to the following resources for various categories of institutions. All electronic resources subscribed are available from the publisher's Web site. Local hosting of resources has not been considered at this stage.

Bibliographic Databases

COMPENDEX on EI Village  http://www.engineeringvillage2.org

INSPEC on EI Village  http://www.engineeringvillage2.org

J-Gate Custom Content for Consortia (JCCC) http://jccc-indest.informindia.co.in/


(access through a Z39.50 Client to be installed on each PC)

Web of Science  http://isiknowledge.com

Open Access Resources

About Open Access  oaeresources.html

Open Access E-Journals  oaeresources.html#ejournals

Open Access Directories  oaeresources.html#directories

IRs@member Institutions  oaeresources.html#IRs

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National Bibliographic Database

DELNET undertook the compilation of the National Bibliographic Database with the support of the Department of Culture, Government of India in 1998 as a Pilot Project. Fifty thousand records of books 20,000 in English, 15,000 in Tamil and 15,000 in Punjab were created at the Punjab University, Patiala and International Institute of Tamil Studies, Chennai. At Andhra University Library, Visakhapatnam, 15,000 records in English and 10,000 records in Telugu have also been created. Similarly 25,000 records have been created at the Asiatic Society, Mumbai. The work is in progress at the Asiatic Society, Kolkata.

2.4.3 Courses offered

Chemical Engineering, Civil Engineering, Computer Engineering, Electric and electronics, Information Technology, Mechanical Engineering, Mining, Metallurgy.

2.5 NATIONAL INSTITUTE OF TECHNOLOGY, AGARTALA (TRIPURA)

2.5.1 Brief History

National Institute of Technology formerly Tripura Engineering College is the only Degree level Engineering College in the state of Tripura setup with the intention of providing technical education to the aspiring and eligible candidates of the state and the region. It is also one of six Degree and higher level Technical Institutes (including IIT, Guwahati) in the whole of the North-Eastern region.

The College was established in 1965 with the three traditional branches of Civil, Electrical and Mechanical Engineering. It was initially affiliated to Calcutta University and had the same curriculum structure and examination system on par with Bengal Engineering College, the other institute affiliated to the University. After the establishment of Tripura University, the college
was affiliated to the new University. The college is approved by AICTE, from the 1999-2000 academic sessions a new four year degree level course in Computer Science & Engineering has been started.

2.5.2 Facilities

The College has all basic infrastructural facilities for conducting the undergraduate courses satisfactorily. It has got adequate number of well qualified and experienced faculty members and technical supporting staff. It has a well-stocked library, computer facilities, workshop and laboratories relevant to the courses of study.

Library

The library comprises Lending section, Reading room, Back-volume section, Reference section, Stock room, containing more than 40,000 books & 1000 Journals, Xeroxing facility

Computer Centres

There are several computer laboratories in the NIT, Tripura, viz.

Computer Laboratory for Civil Engineering Department

Computer Laboratory for Electrical Engineering Department

Computer Laboratory for Mechanical Engineering Department

Computer Laboratory for Computer Science & Engineering Department with following additional facilities

E-mail connection

Internet connection through VSAT-ERNET

Local Area Network (LAN)
Communication

The College runs private bus services from Agartala to College campus and back during working hours and in cases of emergency adequate number of buses, jeeps and private vehicles are available on NH-44 for traveling from Agartala. It is mandatory for all students to avail bus facility from Agartala to College Campus, however on special grounds some relaxation may be given to some students.

2.5.3 Courses offered: B.E, B.Tech, M.E, M.Tech.

2.6 NATIONAL INSTITUTE OF TECHNOLOGY, ALLAHABAD (U.P)

2.6.1 Brief History

Motilal Nehru Regional Engineering College, Allahabad, an institute with total commitment to quality and excellence in academic pursuits, is among one of the leading RECs in India and was established in year 1961 as a joint enterprise of Government of India and Government of U.P. in accordance with the scheme of establishment of REC. The affairs and finances of the college are managed by a Board of Governors.

The foundation stone of the college was laid by the Late Prime Minister Pt. Jawaharlal Nehru on the 3rd May 1961 on a site spreading over an area of 222 acres on the banks of river Ganga. The main college was inaugurated by the Late Prime Minister Sri Lal Bahadur Shastri on the 18th April, 1965.

The college is associated college of Allahabad University and being the only engineering college in the University, enjoys considerable freedom in academic affairs.

Recently the college was selected as a leading institute in the ‘design’ under Indo-UK REC Project. Under this scheme a Design Center has been established at a cost of about Rs. Six Crore, which offers training and consultancy in various areas.
2.6.2 Services

Reader Services

Circulation of books, textbook reading section, Journals/periodicals reading section to activate research and a reference section.

Book-Bank Services

The Textbook Lending Book-Bank (TLB) has been extending its valuable help to students since 1967. From the book bank, up to a maximum five books can be borrowed for each semester by the students of undergraduate classes and five books can also be borrowed by MCA-TLB Bank since 2003. There are also SC/ST Book Bank, SC/ST Pre Examination Training Center for Central Services.

Video Viewing Facility Services

Video viewing facility is available for self study through video tapes of course materials and lecturing facility for all users during all working days and Saturdays and Sundays.

Reprographic Services

Provides for the personal use of users the copies of information materials available in library on payment basis

2.6.3 Digital Library

The following on-line journals are available from INDEST consortium. Library has fully computerized catalogue search facility available to users through Intranet.

2.6.4 Courses offered:

2.7 NATIONAL INSTITUTE OF TECHNOLOGY, BHOPAL (M.P)

2.7.1 Brief History

Maulana Azad National Institute of Technology, Bhopal (formerly Maulana Azad College of Technology, MACT), is one of the first eight Regional Engineering Colleges in the country. The Institute has been named after the great scholar, educationist and the first education Minister of Govt. of India, Maulana Abuikalam Azad. The Government of India and Government of Madhya Pradesh jointly sponsored them MACT in 1960 to attract bright young students from across the country. The Institute is successfully fulfilling the objectives by producing skilled manpower of the highest quality who are able to cope up with challenges of ever evolving industrial needs of the country. Many Institute pass-outs are providing leadership in India as well as in foreign countries.

The Institute is situated in the heart of Bhopal city on southern side. The verdant 650-acre campus plateau, houses, about 400 faculty and 1500 students who enjoy excellent facilities of laboratories well quipped. Over the past 40 years of the effective existence the laboratories have not maturity and confidence but also shaped themselves as Center for Excellence for higher education.

2.7.2 Software Technology and Entrepreneurship Park

Science and Technology Entrepreneurs Park (STEP) has been set up at MANIT to promote the employment avenues for unemployed Scientists and Technologists by pace research on industry culture, nurturing innovative ideas and including an enterprising spirit in the entrepreneurs through industry institutional. MANIT offers research & industry oriented under-graduate and post-graduate programmes with latest curriculum and state-of art teaching practices.
It provides courses of 4 year duration leading to the Bachelor’s degree in Civil, Mechanical, Electrical Electronics & Communication and Computer Science & Engineering. However, the duration of Architecture course is 5 years. The Syllabi and scheme of examination for these courses are as prescribed by the Academic Council of MANIT, Bhopal.

2.7.3 Central Library

Different but logically integrated components to perform the professional jobs efficiently and effectively. All these components, as mentioned below, work in tandem for fulfilling the objectives of the library.

Acquisition, Technical Processing, Circulation, Periodical/Serial Management, Reference, Documentation, CDROM Search, Reprography, Administration

2.7.4 Library Services

Journals Received Last Week, CD-ROM Database Searching, Internet Based Services, Inter-Library Loan Services, Document Delivery Services, Reference and Referral Services, Reprographic Services

2.7.5 CD-ROM Other Resources

Video: more than 398, Daily News Paper: 18, Magazines: more than 20, Encyclopedia of Britannica: 32 volume (hard copy)

MANIT Library is a functional unit of National Institute of Technology which executes its activities under overall administrative control of Director and supervision of a well qualified I/C Librarian supported by one Asst. Librarian. There is a Library Committee for advising and administering Library Committee for advising and administering library management.
2.7.6 E-Journals

<table>
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<tr>
<th>S. No</th>
<th>E-Resources/Description</th>
<th>URL</th>
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<tr>
<td>1</td>
<td>ACM Digital library</td>
<td><a href="http://portal.acm.org/portal.cfm">http://portal.acm.org/portal.cfm</a></td>
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<td>2</td>
<td>ASCE Journal</td>
<td><a href="http://www.pubs.asce.org/journals/jms.html">http://www.pubs.asce.org/journals/jms.html</a></td>
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<td>3</td>
<td>ASME Journal</td>
<td><a href="http://www.asme.org/pubs/journals">http://www.asme.org/pubs/journals</a></td>
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<td>4</td>
<td>IEL Online</td>
<td><a href="http://ieeexplore.ieee.org">http://ieeexplore.ieee.org</a></td>
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<td>5</td>
<td>Indian Standards</td>
<td>Intranet Version</td>
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<td>6</td>
<td>Nature</td>
<td><a href="http://www.nature.com">http://www.nature.com</a></td>
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<td>7</td>
<td>Proquest Science</td>
<td><a href="http://www.il.proquest.com/pqdauto">http://www.il.proquest.com/pqdauto</a></td>
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<td>8</td>
<td>Springer Verlag's</td>
<td><a href="http://www.springerlink.com">http://www.springerlink.com</a></td>
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<tr>
<td>9</td>
<td>Elsevier's science Direct</td>
<td><a href="http://www.sciencedirect.com">http://www.sciencedirect.com</a></td>
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<tr>
<td>10</td>
<td>ASTM Standards and Journals</td>
<td><a href="http://enterprise.astm.orghttp://journalsip.astm.org">http://enterprise.astm.orghttp://journalsip.astm.org</a></td>
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<tr>
<td>11</td>
<td>J-Gate Custom Content for</td>
<td><a href="http://jccc-indest.informindia.co.in">http://jccc-indest.informindia.co.in</a></td>
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<td>Consortia</td>
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2.7.7 Courses offered

Bachelor Degree in Civil Engineer, Mechanical Engineer and Electrical Engineer

2.8 NATIONAL INSTITUTE OF TECHNOLOGY, DURGAPUR (WEST BENGAL)

2.8.1 Brief History

The Regional Engineering College, Durgapur, was established by an Act of Parliament in 1960 as one of the eight such colleges aimed to function as a pace setter for engineering education in the country and to foster national integration. It is a joint venture of the Govt. of India and Govt. of West Bengal, and is administered by an autonomous Board of Governors. The Minister In-charge of Higher Education of the W.B Govt. is the present Chairman of the Board which includes representatives from the Central and State Governments, AICTE, UGC, University of Burdwan, IIT Kharagpur, Industries and the Faculty.
At present about 1250 boys and 150 girls reside in five boys hostels and one girls hostel. The annual undergraduate intake is about 330 students. The college is affiliated to the University of Burdwan, which awards B.E., M.Tech. and Ph.D. degree to students after their successful completion of the specified courses. The college imparts education in the disciplines of Chemical, Civil, Computer Science and Engineering, Electrical, Electronics and Communication, Mechanical and Metallurgical Engineering. Following a procedure laid down by the Ministry of Human Resource Development (MHRD), Govt. of India, Regional Engineering College, Durgapur, selects candidates for its own admission and 16 other RECs who admit such students on the basis of state wise quota.

2.8.2 Services

The Library as one of the important central facilities of the Institute supports the study, teaching, research and development programmes of the Institute. It is housed in a separate building having three floors on a plinth area of 1000 sq. mtrs. The library has a collection of 108000 volumes which includes Text Books, Reference Books & Bound vols. of Journals, Standards etc. The Library subscribes to about 135 current Journals. Library operations have been automated with the help of an integrated library software package, LIBSYS-4. The book database is accessible through OPAC (Online Public Access Catalogue). It has a good collection of electronic resources in its Digital Library. It is open access library and remains opens from 8:30 a.m. to 10:30 p.m. on weekdays and from 9 a.m. to 5 p.m. on Saturday and Sunday.

The computerization of the library is nearing completion and shortly all standard services like acquisition, searching and lending will be computerized. The library has developed an extensive CD-Database of back volumes and abstracts of leading journals in science, engineering and technology. A 14 drive CD tower networked with workstations, serves the database server. The library provides audio visual services with video cameras, VCRs and TV monitors. In the near future the library will shift to a separate spacious building.
2.8.3 Library E-Resources

The Library is an Institutional Member of DELNET (Developing Library Network). It is also a beneficiary Member of INDEST (Indian National Digital Library in Engineering, Science and Technology). INDEST is a consortium which provides desktop access to high-quality e-resources (on-line journals etc.).

<table>
<thead>
<tr>
<th>Full-text e-resources</th>
<th>Bibliographic Databases</th>
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<tr>
<td>- IEL online</td>
<td>- J-Gate Custom Content</td>
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<td>- Springer Verlag</td>
<td>- Indian Standards</td>
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<td>- ACM Digital Library</td>
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<td>- ASTM Journals</td>
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<td>- Nature</td>
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Welcome to Springer Link!

Springer Link is one of the world's leading interactive databases for high-quality STM journals, book series, books, reference works and the Online Archives Collection.

Springer Link is a powerful central access point for researchers and scientists.

2.8.4 Courses Offered

M.B.A, M.C.A & Ph.D
2.9 NATIONAL INSTITUTE OF TECHNOLOGY, JAIPUR
(RAJASTHAN)

2.9.1 Brief History

The Malaviya National Institute of Technology, Jaipur is one of the Centres of Excellence in the country established by the MHRD, Government of India. The Institute formerly known as Malaviya Regional Engineering College was established in the year 1962, as a joint venture of the Government of India and Government of Rajasthan.

In 1963, the college started functioning from its temporary campus at Pilani and admitted 30 students each in Electrical Engineering and Mechanical Engineering. The college was inspired by the great educationist and freedom fighter Pt. Madan Mohan Malaviya and thus named as the Malaviya Regional Engineering College. Prof. V.G. Garde, the great educationist and visionary, was the first principal to nurture this college into a world renowned Institution.

The Institute was originally conceived as a regional education centre and has, through the years, scrupulously guarded this character. All the state and union territories of the country are represented in the undergraduate intake of the Institute, thus making it a small but perfect example of the celebrated ‘unity in diversity’ of India.

It had a mandate to run five year Bachelor of Engineering programmes in Civil, Electrical, Mechanical and Metallurgical Engineering. The duration of the B.E. Degree Course was changed to four years from the academic session 1983-84.

At present, the Institute offers nine 4 year undergraduate courses of study leading to the Bachelor of Technology degree (in Chemical, Civil, Computer, Electrical, Electronics & Communication, Information Technology, Mechanical and Metallurgical Engineering and 5 year Bachelor
of Architecture degree) with over 1700 students and there are nine PG specializations besides doctoral programs with over 300 students. There are over 150 highly motivated, young and dynamic faculty members engaged in teaching and research.

The Institute got the status of National Institute of Technology and got the status of Deemed University on June 26, 2002.

2.9.2 Facilities

The library has got 1305 Video Cassettes, four TV's and VCP's (one TV and VCP is installed in Conference Hall). The library has a Audio Visual-cum-Informatics Center Room with sitting capacity of 50 readers. All the Institute's conferences, Seminars, Summer/Winter School are being organized in this room.

2.9.3 Online Resources Central Library

The Institute has a spacious and well equipped library which is being run according to an open access system. It has rich collection of about 1,33,600 volumes of books, periodicals, reports and reference material. In addition to the books from main library, some more books are issued to students from book bank also.

There is a video viewing facility. Large number of books, periodicals, video cassettes and CD-ROMs are available. The library is being fully computerized. The CDNET facilities are to be developed very soon. Library has procured LIBSYS Software (Multi-user) and started the computerization of in house data.

Following services are also being provided to the users.

Reference Services, Video Viewing Facilities, INTERNET Facilities, DELNET Facilities, CD-ROM Data Bases, Photocopy Services, BIS/IRC Codes Services, OPAC Services (in house data)
2.9.4 Services

The library comprises Audio Visual Equipment like colour TVs, VCPs, Video-Camera, Director Projectors, Multi-media Projector etc. It has also good IT infrastructure INTERNET services, DELNET services, CD-ROM data Bases, Photocopy services, BIS/IRC codes services, OPAC services

2.9.5 Courses Offered

Academic programs offered by MNIT Jaipur:


Post Graduate Programs: NIT Jaipur offers Post Graduate Programs leading to M. Tech./M.B.A./M.Sc. Degree

2.10 NATIONAL INSTITUTE OF TECHNOLOGY, JALANDHAR (PUNJAB)

2.10.1 Brief History

Dr. B.R. Ambedkar National Institute of Technology, Jalandhar is still the youngest amongst the eighteen NITs of the country. The institution was established in the year 1987 as Regional Engineering College and recently has been given the status of National Institute of Technology by the Government of India under the control of Ministry of Human Resource Development, New Delhi.

As National Institute of Technology, the institute has a responsibility of providing high quality education in Engineering and Technology to produce competent technical manpower for the country. The institute offers B.Tech. program in nine disciplines of Engineering and Technology along
with research programs leading to M.Tech. and Ph.D. The institute acquires a national character having 50% student intake from the State of Punjab and the rest from other states/union territories of the country.

2.10.2 Services

Document Delivery Services

Under this service faculty and scholars of the Institute are entitled to get reprints/photocopies of research papers from the Institute library. Under this facility information is procured from all over India through NISCAIR (National Institute for Science Communication and Industrial Research) NIT is maintaining to the faculty. This service is being provided free of cost to the faculty.

2.10.3 Facilities

Reprographic Facility

Full time reprographic facility is available inside the library. Users can avail this facility on nominal charges.

Internet facility

The library members are allowed to use this facility. At present this facility is available for a limited number of users due to shortage of space in the present library building, however as soon as the new library building (which is expected to be complete very shortly) is taken over this facility shall be extended to 15 users simultaneously.

Media resource center/Audio-Visual Section

Central library has a good collection of video cassettes and CDs. Video shows are organized from time to time. Media resource center is quipped with the equipments as detailed below:

- Television with 29" screen and Video cassette player (VCP)
- Pentium IV based system with Multimedia Projector
2.10.4 Specialization

Bio engineering, Instrumentation, Leather technology, Textile Technology, Ph.D. and all technical and pure science subjects available.

Eligibility: Masters in concerned subject with minimum first class.

2.10.5 E-library

OPAC (On-line Public Access Catalogue)

Detailed below are the websites of full text and bibliographic digital resources available for the Institute.

IEL

IEE/IEEE ELECTRONIC LIBRARY-Periodical publications of IEE&IEEE.

ASME Online

Periodical publications of American Society of Mechanical Engineers

ASCE Online

Periodical publications of American Society of Civil Engineers

ACM Digital Library

Periodical publications of American Society for Computing Machinery

Science Direct

Periodical publications of Elsevier Science and Academic press

2.10.6 Proquest Science

Springer Verlag

Periodical publications of Springer Verlag
Indian Standards (IS)

Total collection of Indian Standards published by Bureau of Indian Standards has become available online to the institute w.e.f. January, 2004

JCCC - J- Gate Custom contents for Consortia

It is a bibliographic service. However full text service is providing by the holder Library against our request free of cost

2.10.7 Courses Offered

Chemical and Bio Engineering, Civil Engineering Computer Science and Engineering Electronics and communication Engineering, Industrial Engineering, Instrumentation and Control engineering Lather Technology, Mechanical Engineering, Textile Technology, Eligibility: The Minimum academic qualification for admission through AIEEE is a pass in the final examination of 10+2 or its equivalent as specified by AIEEE duration: 4 years. Total Seats: 345, M.Tech full time, M.Tech. part time

2.11 NATIONAL INSTITUTE OF TECHNOLOGY, JAMSHEDPUR (JHARKHAND)

2.11.1 Brief History

National Institute of Technology at Jamshedpur which was born as Regional Institute of Technology, Jemshedpur, was established by the Government of India and the Government of Bihar as a joint venture in 1960 with the aim to generate technical graduates of highest standards who could provide technological leadership to the region.11

RIT was upgraded to National Institute of Technology on 27th December, 2002, with the status of a Deemed University. It is now totally under the control of the Ministry of Human Resources Development, Government of India.
The Computer Centre has over 200 computers with 2 Mbps (raw) connectivity. The high-speed campus LAN which will connect all departments/centers in the first phase is being implemented. The LAN will also support on-line access to digital library right to the edge level.

The dream to make NIT, Jamshedpur a benchmark institution is well on the way to becoming a reality.

2.11.2 Central Computer Facility

One of the attractions of this campus is the OVAL structure - the Computer Center, which accommodates central computing facilities. There are mainly three types of services viz. computational services, laboratory services and network services. The Center's services are extensively used by the students, faculty and staff members of the Institute. The center is equipped with IBM-Netfinity 5500; SUN Microsystems Ultra Sparc and HCL Infinity Global Line 2765 XD Servers. Various systems and application softwares are installed and maintained by the center.

There are three PC Laboratories, which are used for UG/PG classes and one for Internet services. The internet service is available through VSAT on all week days. The network services are limited to the center, but it is to be extended to the whole academic and residential campus shortly. The floor space of the center is being augmented in order to accommodate a Multimedia Laboratory, a CAD Laboratory, a Smart Seminar Room and a Computer Museum.

2.11.3 Courses Offered

NIT Jamshedpur is spread over a campus of 320 acres. The institutes has following departments: Applied Mechanics, Chemistry, Civil Engineering, Computer Applications, Computer Science and Engineering, Electrical Engineering, Electronics Engineering, Mathematics and Humanities, Mechanical Engineering, Metallurgical Engineering, And Material Science, Physics, and Production Engineering & Management.
NIT Jamshedpur offers 4-year B. Tech. Courses in Civil Engineering, Computer Science and Engineering, Electrical Engineering, Electronics Engineering, Mechanical Engineering, Metallurgical Engineering and Material Science, and Production Engineering & Management. Selection for B.Tech courses is done on the basis of performance in AIEEE.


MCA: NIT Jamshedpur offers 3 year full time MCA course. Selection is done on the basis of the performance in NIMCET.

2.12 NATIONAL INSTITUTE OF TECHNOLOGY, HAMIRPUR (H.P)

2.12.1 Brief History

National Institute of Technology, Hamirpur is one among the NITs the country, established in 1986 as a joint and cooperative enterprise of the Govt. of India and Govt. of Himachal Pradesh. The goals of the institute as embodied in the logo are truly remarkable in their scope of vision. The college gives undergraduate and postgraduate education in engineering, fostering the spirit of national integration among the students, a close interaction with industry and a strong emphasis on research, both basic and applied. It has been given the status of Deemed University.

The college came into existence to offer bachelor’s degree programme in Civil and Electrical Engineering in 1986. After consolidating these courses an undergraduate programme in Electronic and Communication Engineering was started in year 1988. The undergraduate programme in Computer Science & Engineering and Mechanical Engineering was started in 1989 & 1994 respectively and bachelor’s degree courses in Architecture has been started in the year 2000.
All the courses at undergraduate level are of 4 years duration with the exception of Architecture which is of 5 years duration. Recently the college has been given the status of Deemed University.

2.12.2 INDEST Consortium

The Indian National Digital Library in Science and Technology (INDEST) has been set up by the Ministry of Human Resource Development. The Consortium provides number of electronic journals on-line to all IIT’s and NIT’s along with other associate Institutes approved by the AICTE.

2.12.3 Journals Subscribe

The library subscribes various Foreign & Indian journals. In the year 2006, 91 Indian and Foreign journals have been subscribed. Beside these, 38 journals are being received as complimentary copies. The list of journals is available in the periodical section of the library.

2.12.4 Back Volumes of Journals

The library has a separate section of back volumes of journals. In it there are 2227 back volumes. Back volumes of journals can be consulted in the library, however if these are required for home reading then these can be issued for a smaller duration which will not exceed three days.

2.12.5 Central Library

The Institute library was set up in 1986 in one room of Government Polytechnic, Hamirpur and it was shifted to the Institute campus in 1988 in Visvesvarya Block and at present it is in a separate building having the plinth area of 1200 square meters. The library has got the seating capacity of 100 readers in reading halls and 50 readers in Audio-Visual Hall. Library follows the open access system, it facilitates the users to browse and pick up the documents of their choice without any hindrance.
2.12.6 Services

Reference Services

The reference books available are Atlases, Bibliographies, Dictionaries, Data books, Directories, Hand books, Reports, Standards, Old question papers etc. The books of this section are not issued for home reading and are to be consulted in the library premises only. Keeping in view the necessity of reader the librarian may allow a reference book for issue for a short duration at the maximum for three days.

Book Bank Facilities

The Book bank facilities is extended to economically backward students at the maximum five books will be issued a student subject to availability of books.

Inter Library Loan Facilities

The books, which are not available in the library, are procured from other libraries on the request of members.

Reprographic Facilities

The reprographic facility is available for all members of library on payment of Rs 0.75 per page. The preference is given to get photocopies from the library documents. The faculty members can get 250 photocopies free from the journals in a semester.

CD ROM Facilities

CD ROM drive-cum computer has been installed in the library. The library has procured various CDROMS viz. IEEE/IEE (IEL Electronic Library, Multimedia Encyclopedia of Science and Technology, Science Navigator etc. Besides these 625 CD’s and floppies of books are also kept for the use of readers.
Audio Visual Facilities and Informatics Centre

The library has got 1305 Video Cassettes four TV'S and VCP'S (one TV and VCP is installed in Conference Hall). The library has a Audio Visual-cum-Informatics Center Room with sitting capacity of 50 readers. All the Institute's Conferences, Seminars, Summer/Winter School are being organized in this room.

Text Books

The library has a separate textbook section. In this section at least one copy of prescribed textbooks is kept. These books are not to be taken out of the premises of the library they can be consulted inside the library.

Standards Collection

The library has got a separate collection of standards and special publications published by Bureau of Indian Standards, Indian Road Congress, American Concrete Institute, British Standards Institute and American Society for Testing and Materials etc. The standards are kept in separate number -wise sequence.

Reports

The library has a separate collection of various reports, conference proceedings, ISTE-STTP proceedings, dissertations and reports of various Institutes/Firms.

Collections

The library has established a separate collection of books pertaining to Himachal Pradesh's History, Culture, Economy, Geography and Ecology.

Miscellaneous Collection

The library has miscellaneous collections comprising Institutes examinations old question papers, competitive books, Hindi and English literature books etc.
Computer Facilities

Computer Centre is a central facility, which caters to the needs of seven academic departments and various sections of the Institute. Presently, the centre is housed in the CSE Department. The Centre has one of the best infrastructures in the region in terms of computing facilities, Internet facilities and Campus Wide Networking. Centre is well equipped with the latest machines viz. Sun Servers, Workstations, Xeon Servers, Pentium machines (P-IV, P-III and Celeron), Alpha Workstations etc. A heterogeneous Intranet Network of around 1000 nodes under different OS like Sun Solaris, Linux, AIX, Unix, Windows and Novell Netware is setup and maintained by the computer centre. Centre has dedicated 8 Mbps leased line Link form Airtel and 2 Mbps leased line connectivity from BSNL. It provides Internet facilities to the users in the Computer Centre, all Departments (Electronics, Mechanical, Electrical, Civil and Architecture and Central Library), faculty rooms and offices. The same facility has also been extended to student hostels, faculty and staff residences, Guest House, Construction Cell, Sports Complex, etc. More than 1500 nodes distributed all over campus having optical fiber backbone with 24 hours voice over IP phone facility is also part of computer centre.

To facilitate the use of the latest information technology in institute's teaching, learning, research and administration; to provide an excellent network environment that facilitates the access and exchange of information; to put innovation in technology transfer to assist the institute in his mission; to enable faculty, staff and students to use the computer and network resources effectively and efficiently; and to aim to provide the best quality IT services in the region, the Computer Centre at NIT Hamirpur (H.P.) continued to re-engineer the process of its service operations for increased productivity and better quality.
2.12.7 Courses Offered


M.Tech: Civil Engineering, Mechanical Engineering and Electrical Engineering

Ph.D: In all the disciplines, Computer Science & Engineering, Electrical, Mechanical, Civil and Applied Science.

2.13 NATIONAL INSTITUTE OF TECHNOLOGY, KURUKSHETRA (HARYANA)

2.13.1 Brief History

NIT Kurukshetra is a premier Technical Institute of the region. Since 1963, like other Regional Engineering Colleges of India this institution too, had been a joint enterprise of this State and Central Governments. This Institute was conferred upon status of Deemed University on June 26, 2002. Since then it has been renamed as National Institute of Technology, Kurukshetra (Deemed University).

2.13.2 Central Library

The central library provides unique information services to the inmates of this center with the help of its sophisticated information technology infrastructure.

2.13.3 Facilities & Services

The Library initially set up in 1965 has grown in size, collection and services and it is now housed in a separate building on west side of the main block of the Institute. With its growing resources, space & services, the Library caters to the need of faculty, research scholars and students.
Current Journals

The Library subscribes to 153 Print and App. 3000 Online Journals in the field of Science and Technology. A number of complimentary copies are also received by it. This list of Journals is displayed in Periodical Section of the Library and also on the Library Intranet.

Total Floor Area & Reading Space

The Library is a growing organism. To meet all the requirements sufficient space has been added for stacking, reading and other services. The Library has a reading capacity for 450 readers and sufficient space for stacking new documents, digital library and Audio Visual Centre. The total area at present is 3671 sq-ft.

Book Bank Facilities

The Institute has a strong Book Bank/SAF collection, which caters to the needs of all the students for all the semesters including MBA & MCA. SC/ST students are given priority for issue of books. They are given 8 books for a semester without any charges. General category students are given 5 books for a semester without any fee and they can get five additional books against payment of Rs.30/- per book for a full semester.

The facility of Book Bank is also extended to M.Tech. students. They can get the books issued for full semester against payment of Rs.30/- per book.

Library Automation System, Web-OPAC & Circulation

Library is providing automated services in all sections of the Library using LIBSYS Software. Database of the Library is updated regularly and readers can search the documents using Web-OPAC (On-line Public Access Catalogue).
All the books are bar-coded and members are also given Bar-Coded membership card for smooth circulation of documents in the Library.

Video Cassettes & CD-ROM Facilities

The Library has procured 663 educational video cassettes prepared by IITs and other agencies for self-learning. The library has procured 61 CDs covering various areas of knowledge. A separate Audio-Visual Centre is set up to promote the use of such non-book material.

The Library has a CD/DVD/NAS Server with 4TB (4000 GB) capacity and 40 computers. The server is capable to catch 1500-2000 CDs/DVDs at a time. All the CDs received with books and magazines are loaded on the server. The information loaded on the server can be viewed/used by students and faculty members and other readers through network.

INDEST – E-Resources

The NIT Library is a core member of Indian National Digital Library in Engineering, Science and Technology (INDEST) Consortium set up by MHRD. Approximately 3000 e-resources are subscribed/provided through the Consortium. To access online resources in the Institute premises, the library has started a service through internally maintained web server. All these resources/e-journals can be accessed through library Intranet site http://172.168.0.52. The site provides the direct links to the following Electronic Resources:

Reprographic Facilities

A contractor is appointed to provide the Reprographic Services to the readers. Reproduction from books, periodicals & other materials is provided @ 50 paisa per copy.

Reference Service

The Reference Sources provide current information on a wide range of subjects. Documents which are only for in-house reference includes
dictionaries, encyclopaedia, hand-books, year books, Atlas etc. These are arranged in separate shelves. Qualified and trained library personnel are on duty to help the users to locate any desired information.

**Inter Library Loan Facilities**

Documents or Xerox copies of articles which are not available in the Library are procured from other Libraries on request from faculty and students.

**Computer and Automation Centre**

An Automation Centre under direct central assistance for thrust areas of Technical Education Schemes during the Seventh Plan period is being set up in the department of Mechanical Engineering of the college. The Automation Centre aims at achieving its objectives.

**Infrastructure of CAD/CAM Activities**

Adequate computer facilities with graphic terminal and plotter, installation of CNC Machines and work centre for training and research work, Installation of Robots for demonstration and training and research purposes, academic and industrial research work in the specified areas, Organization of short term courses for in-service engineers, Developing software package for research and applications.

**2.13.4 Courses Offered**

The courses offered by the institute include B.Tech (Civil, Computer, Electrical, Electronics & Communication, Mechanical Engineering and M.Tech.

**2.14 NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR (MAHARASTRA)**

**2.14.1 Brief History**

Named after the great Engineer, Statesman & Visionary of Modern India. Visvesvaraya National Institute of Technology, Nagpur (VNIT) was
established in 1960 as a joint venture of Government of India and Government of Maharashtra. The college has made steady progress during the past four decades of its existence. Established as pace setting Institute of Technology Education imparting undergraduate education, it has played a leading role in guiding other engineering colleges in Maharashtra. In this mission today it has facilitated for Ph.D. The college also undertakes R & D activities and offers testing, education to the industry through the Industry Institute Interaction Cell and the placement of the students through the Department of Training & Placement.

In keeping with the liberalized industrial scenario and economic policies of the Govt. of India, the Planning Commission and the Ministry of Human Resources, Govt. of India have taken bold & pro-active steps to develop Regional Engineering Colleges now National Institute of Technologies as Centers of Excellence. These developments have provided the necessary resources to VNIT to deal with both opportunities and challenges.

As a prestigious national institute, VNIT has long recognized its role in engineering education, generation and dissemination of useful & relevant technological, industrial & economical development of the country. the institute has Contributed in the application of science & technology in the service of the society through different programs of International aid & assistance, the institute has all along endeavored to discharge expertise & well developed world facilities.

2.14.2 Courses Offered

Undergraduate Programs

Civil Engineering, Mechanical Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering, Computer Science Engineering, Chemical Engineering, Mining Engineering, and Architecture. There are total 480 seats in undergraduate programs. Admissions to all UG courses are done on the basis of rank obtained in AIEEE. About 50% seats of
total intake capacity are filled through AIEEE qualified candidates of Maharashtra State and 50% seats of total intake capacity are filled through AIEEE qualified candidates of other state quota all over India.

**Postgraduate Programs**


2.15 NATIONAL INSTITUTE OF TECHNOLOGY, PATNA (BIHAR)

2.15.1 Brief History

The National Institute of Technology, Patna is the Eighteenth such institute, created by the Ministry of Human Resources Development, Government of India on January 28, 2004. Its origin can be traced way back to 1886 with establishment of a Survey Training School and Subsequent elevation to Bihar Schóol of Engineering, Patna in 1900 with the introduction of graduate level curriculum in 1924, it was renamed as Bihar college of Engineering Patna.

The institute has been declared to be a centre of excellence to impart the high training, research and development in Science, Engineering & Technology. It is soon to be given the status of “deemed to be University” with powers to frame its own academic policy to conduct its own examinations and to award its own degrees.
It is for the time being attached to the Patna University for the purpose of examinations and award of degree. The institute offers degree courses in Electrical Engineering, Mechanical Engineering, Civil Engineering, Electronics & Tele-communications Engineering, Architecture and Bachelor of Computer Applications. The institute admits on an average 210 students to the undergraduate (B.Sc, Engg.) programmes, 60 students to the BCA programmes and about 126 students to the post Graduate (M.Sc, Engg.) programmes every year.

The institute is committed to the challenging task of development of technical education by preparing seasoned graduates in highly sophisticated field of Engineering and Technology. Development of India as an emerging industrial power is a demanding exercise as it involves the combination of cost effectiveness and efficiency along with producing world-class technology at the cutting edge.

2.15.2 Central Library

The Central Library of the institute that replaced the earlier library owns a vast stock of over 55,000 books catering to the needs of all the relevant fields of engineering. It has a resourceful stock of over 10,000 computer related books and clearly demarcated section for every engineering branch and architecture. In addition to the engineering pertinent books, the central library is self sufficient in a vivid category of other business and current affairs related magazines, pamphlets and journals which include TIME and NEWSWEEK.

Special features of the Central Library

Separate zones for every department, separate section for SC/ST under the name of B.R. Ambedkar section, separate section for e-journals called the E-source Section, calm milieu and spacious studying facility within the library, centrally air-conditioned.
E-Resource Section

Parallel lay it also maintains an E-Resource Section which subscribes and maintains a wide collection of highly acclaimed e-journals published by some big names like American Society of Civil Engineers (ASCE), American Society of Mechanical Engineers (ASME), IEL, IEEE, NATURE, ACM, INDIAN STANDARD and SPRINGER.

Library

The Institute maintains a Central Library which has over 50,000 books and about 1,100 internationally acclaimed e-journals and works for about 10 hrs per day.

The Central Library has a separate e-resource section at the ground floor, a study section at the first floor and a separate section for computer related books at the second floor.

Internet Facility

The institute is presently using a 2 Mb leased line of BSNL to provide Internet connectivity throughout the campus. This includes Wi-Fi connectivity all over the campus and Internet connectivity to every department and to the hostels.

2.15.3 Courses Offered

Electrical Engineering, Mechanical Engineering, Civil Engineering, Electronics & Tele Communications Engineering, Architecture, and M.Sc. Engineering

2.16 NATIONAL INSTITUTE OF TECHNOLOGY, RAIPUR (CHHATTISGARH)

2.16.1 Brief History

National Institute of Technology, Raipur (Formerly Government Engineering College, Raipur), situated in the capital of a newly incepted state
of Chhattisgarh, has proven to be "avant-grade" in the field of science and technology over few decades in this region. With sweet memory of foundation ceremony by the president Hon'ble Dr. Rajendra Prasad on 14th September 1956. The institute started with two departments namely Metallurgical and Mining Engineering. Later the inauguration of the Institute building was done by our Prime Minister, Hon'ble Pt. Jawahar Lal Nehru on 14th March 1963. From 1st December 2005, the institute has become the National Institute of Technology.

The Institute, located in Raipur, the Capital City of Chhattisgarh State, is spread over an area of 100 acres. Raipur City is well connected with Mumbai, Delhi, Chennai, Visakhapatnam, Nagpur and Bhubneshwar by regular flights and is on the main Howrah-Mumbai railway line route. The institute is 5 km from Rajpur railway station and 14 km from airport on NH-6, the Great Eastern Road. The state of Chhattisgarh is a mineral rich state having enormous potential for development with seemingly inexhaustible natural resources of coal, iron ore, lime stones, dolomite, tin, zem-stone and other minerals. Many industries, such as those of cement, steel alloy, mines etc., are located in the vicinity of the institute giving it a unique advantage for industry-institute interaction in various disciplines of engineering.

Starting with two branches in 1956, the Institute has grown in tandem with the major surrounding industries—the Bilai Steel Plant, SECL, BALCO and NTPC, Korba—and presently offers 12 undergraduate and 6 postgraduate courses including MCA & M.Tech. in applied Geology. The Institute offers facilities for Ph.D. and also undertakes R&D activities, provides testing, consultancy and other extension services including continuing education to the industry institute interaction cell and the placement of the students through the department of training and placement. The students have won laurels to the institute and very well placed in Government organization, public and private sectors, Multinational Companies, Universities and research organizations in India and abroad.
The institute is contributing to the technological, industrial and economical development of the region and the country for the last five decades. The Institute has long recognized its role in engineering education, generation and dissemination of useful and relevant technologies in the service of the society.

2.16.2 Courses Offered

NIT Raipur is spread over a campus of 100 acres. Presently, NIT Raipur offers graduate level courses in twelve disciplines viz. Architecture, Chemical Engineering, Civil Engineering, Electrical Engineering, Electronics & Telecommunication Engineering, Mechanical Engineering, Mining Engineering, Metallurgical Engineering, Information Technology, Computer Science & Engineering, Biotechnology, and Biomedical Engineering. Candidates for undergraduate courses are selected on the basis of performance in AIEEE.

NIT, Raipur offers postgraduate courses in Applied Geology (M.Tech, 3 years), Computer Applications (MCA, 3 years), Computer Engineering (M.Tech, 2 years), Water Resource Development and Irrigation Engineering (M.E., 2 years), Energy System and Pollution (M.E., 2 years), Chemical Process Design (M.E., 2 years) and Computer Engineering (M.Tech, 2 years). For M.E. and M.Tech. courses, admission is done on the basis of performance in GATE. For MCA, admission is made through AIEEE.

2.17 NATIONAL INSTITUTE OF TECHNOLOGY, ROURKELA (ORISSA)

2.17.1 Brief History

National Institute of Technology, Rourkela has come into existence with effect from 26-06-2002 as a “Deemed University”. The Institute was formerly known as Regional Engineering College, Rourkela and was founded on 15-08-1961 as a joint undertaking of Government of India and Government of Orissa.
The Institute, through the collective effort of its staff and students, has earned and famed not only for its excellent academic and extra curricular standards and discipline of the students, but also for its research, consultancy and developmental activities. Teaching and Research Facilities of the Institute are excellent and the faculty are highly professional and trained in specialized areas of Engineering, Technology and Science.

2.17.2 Talent Pool

Today NIT, Rourkela nurtures the best talent in India and abroad. At the end of Spring Semester, each year scores of companies, including several companies visit the campus to recruit some of the best minds for the ever-growing industrial and scientific requirements of India.

2.17.3 Location

The city of Rourkela came into prominence in the years 1954-55, with the decision of the Government of India to set up the first public sector steel plant in this locality in collaboration with the then West Germany. The city is a huge metropolis connected with all parts of the country by railway and road. The population of the city is about 6 lakhs.

2.17.4 Library

Library Collections

Total documents: About 1,50,000 including books; ISI codes, periodicals and miscellaneous documents. The Institute is a member of the INDEST consortium and subscribes to most scientific and technical journals of interest in electronic form. Back volumes of 167 Journals over decades are available.

Online Resources

NIT Rourkela Library plays a Vital role in meeting the present and anticipated future needs. It covers the total library area of 4975 square feet.
with 250 reading seats and AC room which is used by all the library users to read inside the library for longer hours. This room is extensively used by Student Communities on all days excluding National holidays. Copies of most books and reference books are available for use inside the library only.

2.17.5 Courses Offered

Undergraduate courses are Civil engineering, Mechanical Engineering, Chemical Engineering, Mining Engineering, Electronics and Instrumentation Engineering, Computer Science Engineering and Applications.

Postgraduate: Postgraduate courses of 7 Engineering disciplines are offered. The courses are of 2 years duration and the eligibility criteria for admission to the courses are BE/B.Tech or equivalent degree. The first year of the two years course contains theory subjects aided by laboratories wherever possible and the second year is devoted to project and theses.

The various specializations offered are Chemical Engineering, Civil Engineering, Computer Science Engineering, Electrical Engineering, Electronics and Intm. Engineering and Mechanical Engineering.

2.18 NATIONAL INSTITUTE OF TECHNOLOGY, SILCHAR (ASSAM)

2.18.1 Brief History

It stands aloof among its peers as an insignia of pre-eminence in the pursuit of excellence at imparting Technical Education over an exquisite weave cutting across the fine fabric of multi cultural and multi lingual ethos of India, It is an embodiment of a blend of richness in different disciplines of science and technology integrating and amalgamating the approach as holistic in spirit and rational in nature. Constantly involved in an unmitigated endeavour to infuse fervor of technical acumen in the students, it strives to place its graduates in the forefront of the technical, scientific and the entrepreneurial league. No wonder then, it - National Institute of Technology-
Silchar, NITS (formerly known as Regional Engineering College Silchar) is consistently rated as one of Indias best emerging 'Tech Schools'.

Regional Engineering College, Silchar was established in 1967 as a joint venture of Government of India and Government of Assam under the administration of a society registered under Society Registration Act XXI of 1860. The college was transformed into National Institute of Technology in the year 2002, and bestowed upon the status of Deemed University by the Ministry of Human Resource and Development. The multifarious reforms — that are being introduced from then by the reformed Board of Governors, delegated with a greater degree of autonomy for exercising its deliberation over diverse issues pertaining to cardinal matters ranging from academic to extracurricular excellence, are bringing about a tangible difference in the rudimentary paradigm of achieving a high standard in engineering education.

The college started its classes in 1977 and at present offers Undergraduate courses leading to B.Tech. Degree in Civil Engineering, Mechanical Engineering, Electrical Engineering, Electronics and Telecommunication Engineering and Computer Science and Engineering. The Institute also offers Post-graduate programmes in Civil Engineering (M.Tech. in Water Resources Engineering), Electrical Engineering (M.Tech. in Power and Energy Systems Engineering) and Mechanical Engineering (M.Tech. in Thermal Engineering). In addition, the Institute offers Doctoral programme leading to Ph.D. in all the Departments except Electronics and Telecommunication Engineering and Humanities. Identified as a Centre of Excellence by the Government of India, the Institute is reinventing itself to crush the competition from its cotemporaries in various domains. Very optimistic developmental programs have been undertaken towards modernization of laboratories, computing facilities and library automation. Use of advanced teaching aids and computing facilities provide extensive scope for the students to attain a very high standard required in present day fast changing scenario of technology.
The institute campus located in the serene and tranquil outskirts of Silchar town, presents a befitting environs for educational pursuits. Being completely residential and co-educational it has an atmosphere that is vibrant in essence. Conferred by nature, the means and advantage of a spectacular ambience, the institute, smeared carefully across 540 acres of unfurling ripples of virescence stands as a manifestation of ingenuous extravaganza!

Relentlessly instilling in the students the passion to dream and the audacity to chase it, the zeal and enthusiasm to unveil the unexplored avenues of the infinitely arcane world of Science and Technology, NITS stands as a humble spectacle where tradition meets vogue, aspiration meets inspiration and where regional excellence defines global benchmarks.

2.18.2 Mission

To produce quality manpower, equipped with such human and social values required to integrate excellent technical skill, social character, leadership, creativity and innovation for the benefit of mankind and sustainable development of India and to promote research in the emerging disciplines.

2.18.3 Courses Offered


Courses are B.E, B.Tech or equivalent Degree.
2.19 NATIONAL INSTITUTE OF TECHNOLOGY, SRINAGAR (J & K)

2.19.1 Brief History

National Institute of Technology, Srinagar is located on the western bank of the world famous Dal Lake near the famous Hazratbal Shrine, about 8 Kms from Tourist Reception Centre that is in fact the city center.

The National Institute of Technology, Srinagar was started in 1960 as Regional Engineering College, Srinagar. It was one of the first eight Regional Engineering Colleges established during the First Five Year Plan. It is an autonomous college registered under Societies Act (VI Svt 1999) and is financed both by Central and State Governments. This college was affiliated to the University of Kashmir.

The institute was granted Deemed University Status with the approval of the UGC/AICTE and Govt. of India. Residential facilities are provided for most of the students and staff. Basic amenities like computerized Jammu and Kashmir Bank, Canteen and Co-operative. Stores etc. are also available in the Campus.

Over the year, the institute has won recognition as an important National Institute in the field of Technical Education and has been playing a pivotal role in the development of this region. So far, it has produced more than six thousand graduates who are respectably placed in Industry, Government departments, Institutions and in numerous other jobs. The college has well equipped laboratories, faculty with high academic profile, computer facilities and infrastructure adequate enough to ensure imparting of quality education in tune with the requirements of the modern industry and technology. The curriculum is constantly updated and the faculty are encouraged to get exposed to advanced areas of technology through their participation in Faculty Improvement Programs and Quality Improvement Programs. Apart from imparting professional education at the graduate and postgraduate levels the institute has been extending available expertise to various Government and semi-govern-consultancy services.
2.19.2 Facilities

Facilities and amenities are available in the institution such as NCC, NSS, Bank, Recreational centre etc. Student’s activity center, Gymnasium, internet, Telephone/Fax, diesel generator, Bus facility and swimming pool.

2.19.3 Courses Offered


B.Tech:- Civil Engineering, Computer Science and Engineering, Electronics Engineering, Information Technology, Mechanical Engineering etc.

M.Tech:- Applied Mechanics, Civil Engineering, Computer Science and Engineering, Electronics Engineering, Mechanical Engineering, Electronics Engineering, Micro Electronics etc.

M C A.

2.20 NATIONAL INSTITUTE OF TECHNOLOGY, SURAT (GUJARAT)

2.20.1 Brief History

Colleges that were established as joint venture of the Government of India and the Government of Gujarat. It was established in June 1961 with facilities to run Bachelor’s Degree Programmes in Civil, Electrical and Mechanical Engineering disciplines. It is now changed to National Institute of Technology along with other RECs.

Form the academic session 1978-79, the college switched over to the four year Degree programmes. In the year 1983-84, an under Graduate Course in Electronics Engineering has been introduced with an intake of 60 students. From the year 1988-89, two additional courses viz. Production Engineering and Computer Engineering were introduced with the approved intake of 30
students in each. From the year 1995-96 a degree course in Chemical Engineering has been introduced with an intake of 30 students which was later increased to 60 students from the year 1996-97.

The sanctioned intake of students is, currently 426. Fifty per cent of the seats are filled up from the Gujarat State and the fifty percent of the seats are reserved for the students from other States with quota fixed for every State. In addition to the intake of 426, twenty foreign students are also admitted under the scheme of Central Government. Also at 2nd year level 32 students are admitted, who have passed Diploma on merit basis.

2.20.2 Central Library

The Central Library SVNIT Surat is one amongst major technological libraries in the area of science, engineering and technology. The Library was established in 1968. It has completed nearly 35 years and has built a large collection of books, journals and non-book materials. It also has a rich collection of resources in electronic media available locally on the Institute Intranet and accessible on the Web. It caters to the needs of large groups of users including more than 2000 students, 200 faculty, 150 research scholars and equally large number of supporting staff. It has computerized all its house-keeping activities using global software that is being maintained and updated regularly. It also facilitates industries, individual consultants and corporates to access online database and journals. It uses state-of-the-art technology in its functioning and services. Not only having a very good reference section Library has been subscribed to access INDEST by MHRD.

2.20.3 Services

Circulation

The Circulation Section remains open between 9:00 AM and 8:00 PM on weekdays. On Sundays and holidays, only reading room and periodical section remain open. There is no issue and return of books on these days.
Reading Facilities

Reading facilities (magazines, newspapers, books etc.) are provided to the users from 9.00 A. M. to 8.00 P. M. in the library premises. During the examination period two reading rooms are kept open for 24 hours for the students to read their own materials.

Reference Section

Reference services are provided to the users from 9.30 A. M. to 7.30 P. M. Users can refer printed documents and non-printed materials like CD ROM databases and Video Cassettes in the library during the specified period. The users can also avail the facilities like Database searching and printing.

Digital Library

Library is a gateway for unlimited resources of knowledge. SVNIT Digital library has been subscribed with many technical and non-technical journals under the assistance of MHRD's INDEST (Indian Digital Library in Engineering Science and Technology) Consortium. Besides this, librarian and library staff have created many which have useful links to on-line journals.

INDEST


Bibliographic Resources

JCCC - J-Gate Custom Content for Consortia, J-Gate
E-resources Subscribed by Institute


It covers all lecture notes in Information Technology and some resources of Mechanical Engg., Robotics, Mathematics, CAD-CAM and Applied Mechanics of eminent professors from renowned Universities all around the world.

Indian Standards - All Engg. Disciplines,

ASTM Standards

IEC (International Electro technical Commission) Standards


John Wiley E-Books - 267 on-line E-books are purchased and available on-line.

Cambridge University Press E-Books- Maths & Physics

John Wiley Encyclopedias - 19 Encyclopedia are purchased and available on-line.

Elseviers Science Encyclopedia - 5 Encyclopedias of Elsevier Science are purchase and available on-line.


Knovel On-line Library
In response to the enquiry of the faculty members and students of S. V. National Institute of Technology, Surat - 395 007 (Gujarat), India, the author has made an attempt to create this Virtual Information Centre for Applied Sciences and Technology for the benefit of the Students, Faculties, Researchers and other users of different disciplines of Applied Sciences and Technology. The author has felt that it is not possible for users to remember different URLs of their information needs. Looking in to the information needs of the users not only of his own Institution but also of the users from other disciplines, the author has undertaken this project at his own efforts.

This Virtual Information Centre consists of links with


Contents and links are provided at left hand side. This Virtual Library is dedicated to Academicians, Students, Researchers and Librarians and Information Professionals.
Collections

The Library subscribes to 156 current journals. The Library has a rich collection of books on Science and Technology including Chemistry, Mathematics, Physics, Chemical Engineering, Civil Engineering, Mechanical and Production Engineering, Computer Science, Electrical and Electronics Engineering, Biochemical and Biomedical Engineering. Besides, Library also has a good collection in the areas of humanities and Social Sciences. Besides General Collection, the Library has segregated specialized collection having separate collection codes. The Library also accommodates a literary section having a good collection of novels, Philosophy and History related books.

Subscribed for both physical and e-journals and CD-ROM databases

Computer Facilities

On Campus Internet and Intranet facilities at institute level the institute is having the 3 Mbps leased line from DLIP. In addition, institute has 64 Kbps ISDN line and periodicals equipped with spacious reading room and Seminar hall. About 110 journals are made accessible. The institute is also a member of INDEST consortium of MHRD from which unlimited journals can be accessed name and distance from nearest railway station/bus stand Surat, about 8km from the institute.

2.20.4 Courses Offered

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