



AUTONOMOUS ENGINEERING COLLEGE LIBRARIES IN KARNATAKA STATE: AN OVERVIEW

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ABSTRACT

Autonomous status is granted by the University Grants Commission (UGC) and All India Council for Technical Education (AICTE), in concurrence with the Government of Karnataka. This status has been conferred upon selected colleges, which grants them, certain special privileges. The autonomous status is granted to the reputed institutions which have good infrastructure, well qualified staff, better placement for students and high quality research output.

KEY WORD: Autonomous Engineering colleges, Libray resources & Library services.

INTRODUCTION

An autonomous college will have the freedom to determine and prescribe its own courses of study and syllabi, and restructure and redesign the courses to suit local needs and global changes and prescribe rules for admission in consonance with the reservation policy of the state government; evolve methods of assessment of students' performance, the conduct of examinations, evaluation and notification of results without need of the approval of the university. These colleges should use modern tools of educational technology to achieve higher standards and greater creativity. The autonomous institutions should promote healthy practices such as community service, extension activities, projects for the benefit of the society at large, neighborhood programmes, etc.

The Karnataka state has 16 (sixteen) Autonomous Engineering colleges affiliated to Visvesvaraya Technological University, Belgaum. They are: R. V. College of Engineering Bangalore, M. S. Ramaiah Institute of Technology Bangalore, People's Education Society Institute of Technology Bangalore, Sri Siddhartha Institute of Technology Tumkur, Nitte Meenakshi Institute of Technology Bangalore, Malanad College of Engineering Hassan, N.M.A.M. Institute of Technology Nitte, P.E.S. College of Engineering Mandya, S.D.M. College of Engineering and Technology Dharwad, B.V.B. College of Engineering and Technology Hubli, Basaveshwar Engineering College Bagalkot, The National Institute of Engineering Mysore, Sri Jayachamarajendra College of Engineering, Mysore., P.D.A. College of Engineering, Gulbarga, The Siddaganga Institute of Technology Tumkur, and B. M. Sreenivasaiah College of Engineering Bangalore.



OBJECTIVES OF THE STUDY:

The specific objectives of the paper are:

- 1.To know the Library collections provided by the Autonomous Engineering college libraries.

2. To know the facilities provided by the Autonomous Engineering college libraries.
3. To know the services provided by the Autonomous Engineering college libraries.

1) R. V. College of Engineering (RVCE) Bangalore:

The Smart Campus consists of modules on acquisition, cataloguing, circulation, serials, article indexing and OPAC. Retrospective conversion of bibliographic records has been completed and more than 72400 bibliographic records of books available in the Library can now be accessed through the Smart Campus OPAC. The database of books available in the Library is being updated on day to day basis with details of recently acquired books. The editing and updating activities are in progress. The Smart Campus package has been successfully implemented.

The library had 72,975 books, 2305 bound volumes of journals, 519 report and conference proceedings, 1950 CD's and DVD's, 778 e-books and the library has subscribed e- resources accessed through INDET-AICTE are IEEE, ASME, ASCE, Springerlink, Science Direct, J-GATE, ASTM & EBSCO. The library also provides book bank services, Inter-Library Loan, Reference Service, Photocopying and Users Awareness Programmes about usage OPAC, e-journals, databases and a Digital library.

2) M. S. Ramaiah Institute of Technology (MSRIT) Bangalore:

The Library collection comprises of 83210 Volumes of Books, 293 National & International printed journals and electronic information resources subscribed through INDEST-AICTE Consortium are: ELSEVIER- Science Direct, IEEE, ASCE Digital Library, ASME Journals Online, ASTM Digital Library Online, Springer, McGraw Hill Access Engineering, Journal in Engineering & Technology. Open Access Electronic Resources like Directory of Open Access Journals, Open Access Journals Search Engine, Bookboon's free online textbooks etc.

It is also subscribes nearly 24000 Databases (J-GATE & MATHSCINET) through Informatics (India) Pvt. Ltd, Bangalore, 4230 CDs and DVDs. In addition there are 2277 Bound volumes of journals. The library is fully automated and OPAC is fully up-to-date. The library has a separate Digital Library which contains previous years question papers, research publications, patents, technical reports, e-theses, e-conference proceedings etc. Library also has VTU e-vidya (NPTEL) - Online Video Streaming service.

3) People's Education Society Institute of Technology (PESIT) Bangalore:

The PES Library collection comprises 79,830 Volumes of Books, 323 National & International printed journals, and large number of electronic information resources subscribed through AICTE- DELNET and INDEST-AICTE Consortium. The electronic information resources subscribed by INDEST- AICTE are ACM Digital Library, EBSCO's Business Premiers, IEEE, Nature, Springer Links, Elsevier Science Direct and ASME. In addition to AICTE- INDEST the library also subscribes other databases like ICFAI and Process CMIE. The library gives access to various open source electronic information resources.

The OPAC allows users to search all materials (such as Books, Journals, Magazines, Digital material etc.) available in the library collection. Only Library Members can access Full text Digital material by using their User ID and Password. The digital library is integrated with the integrated library automation software for providing better service to its users. The library is fully equipped with latest ICT infrastructure which supports LIS activities.

4) Sri Siddhartha Institute of Technology (SSIT) Tumkur:

The library has a collection of over 80,000 volumes that includes 21,000 volumes under the book bank and about 3600 volumes under SC/ST Book Bank. The collection includes reference works such as dictionaries, encyclopedias, hand books and standards. Nearly 600 student project and dissertations are also housed in separately in the library. The library has a stock of 2500 CDs, DVDs and floppy disks of books and technical periodicals and other audio-visual resources.

The library subscribes to nearly 450 national and international journals, it has also a collection of nearly 3011 back volumes of periodicals. The library has subscribed three AICTE- INDEST database such as ASCE, IEEE, ASME and other open source journals and databases. The seating capacity of the library is 330 users. The library is computerized with web-enabled library software which facilitates within and outside campus accessed to library catalog. Finally the library has large collection of print and electronic resources to fulfill user needs.

The OPAC allows users to search all materials such as Books, Journals, Magazines, Digital resources etc. available in the library collection. Only Library Members can access Full text Digital material by using their login Id and password. The digital library provides access to full text report, dissertations, institutional publications, question papers etc. The library is fully equipped with latest ICT infrastructure which supports Library and Information Science activities.

5) Nitte Meenakshi Institute of Technology (NMIT) Bangalore:

In this institute the Library and Information Centre has a collection of variety of collection Books, Periodicals, Audio / Video CD-ROMs. The Library Book collection exceeds 27,000 volumes consisting of 11,200 Titles and subscribes to more than 314 National & International Journals. The library subscribes AICTE- INDEST and DELNET-AICTE package. Library activities are completely automated and all transactions take place through bar-coded technology.

Special Features of NMIT Library are, Classification System- Dewey Decimal Classification (DDC), Computerized Library Management-Easylib Software, Circulation Management - Bar coded user cards & Books, OPAC Search facility for readers, Reprographic service, Inter-Library Loan (ILL) facility with IISc, NAL and British Council Library, Bangalore. Users can access E-learning Course wares such as Video Lectures, Lecture Notes of E-Vidya and INTEL- Tidal Data technology enabled, Open courseware (OCW) of MIT, Berkely, Stanford Universities and NPTEL (National Programme for Technology Enhanced Learning). The National Programme on Technology Enhanced Learning is a joint initiative of IITs and IISc which is a curriculum based video and web courses for Engineering Education and made freely available on web.

The digital library has large collection of institute publications, question papers, research reports, patents, conference proceedings, standards and specifications, drawings etc. The library subscribes e-journals and databases made available through INDEST- AICTE are IEEE and ASME. The library homepage gives hyperlinks to freely access to Full text articles available through J-GATE, DOAJ, NISCAIR Online Periodicals, Indian Academy of Science - Online Journals, Online SAGE Journals. The library website also provides link to access to free online Books on all subject areas. Links Free online reference sources like Dictionaries, Subject-Dictionaries, encyclopedias, reports, drawings, etc.

6) Malanad College of Engineering (MCE), Hassan:

The MCE has well equipped library with more than 80,000 books, 146 journal articles in print format. A large issue section and a good reference section form main components of the library. The library subscribes to many national and international journals in print and on-line versions. The library subscribes AICTE-INDEST databases like ASCE, ASME and IEEE and DELNET-AICTE. The library has a large collection of CDs, reference materials, standards, The library also has an in-house computer centre to provide access to Internet and online journals. The library also provide book bank services, Inter-Library Loan, Reference Service, Photocopying and Users Awareness Programmes about usage OPAC, e-journals, databases, Digital library etc. The digital library has a large collection of newspaper clippings, question papers, research articles, patents and standards etc.

The OPAC allows users to search all materials (such as Books, Journals, Magazines, Digital material etc.) available in the library collection. Only Library Members can access Full text Digital material by using their User ID and Password. The digital library is integrated with the integrated library automation software for providing better service to its users. The library is fully equipped with latest ICT infrastructure which supports LIS activities.

7) NMAM Institute of Technology, Nitte:

NMAM Institute library has 52,676 books, 3828 bound volumes of journals, 4 e-portals, 324 standards, 928 CD's and DVD's, 200 e-books, 10251 reference books and library has subscribed e- resources accessed through INDET-AICTE are ABI-Info, ACM Digital Library, ASCE, IEEE, Elsevier, Indian Standards, ASME. The library also subscribes full package of DELNET- AICTE resources. The library website also provide links to other online open access resources like DOAJ, DOAR, Free online engineering databases and e-books.

The library also provide book bank services, Inter-Library Loan, Reference Service, Photocopying and Users Awareness Programmes about usage OPAC, e-journals, databases, Digital library etc. The library OPAC is kept up-to-date for providing better service to its users. The digital library is fully equipped with latest machines, it contains large collection of question papers, research articles, patents, project reports, news clippings, theses and dissertations and other educational resources.

8) P.E.S. College of Engineering, Mandya:

The PES College of Engineering central library has comprises of 64,582 Volumes of Books, 450 National & International printed journals, 3801 bound volumes of periodicals, 4957 reference books and large number of thesis, patents, standards, conference proceedings, technical reports etc. The library subscribes electronic information resources subscribed through INDEST-AICTE Consortium are: IEEE, ASCE Digital Library, ASME and Open Access Electronic Resources like Directory of Open Access Journals, Directory of Open Access Repositories, Bookboon's free online textbooks etc.

The Digital Library has a large number of digital resources made available through digital library. The digital library collection includes old question papers, research articles, patents, standards, thesis etc.

The library also provides e-Vidya, e-Courses, e-Learning, e-journals and databases service to its users. The e-Vidya is the provider of e-Education devoted to all levels of students. Our mission is to provide the flexibility of delivery, which allows learners to work at their own pace. However, to tap into the true potential of individualized learning, e-Vidya was designed to be efficient, effective and engaging. The e-Vidya is designed specifically for web delivery and to meet the important goals of efficient design, effective results, and an engaging experience for the learner. e-Vidya's an integrated, interactive, and holistic learning environment, focusing on the intellectual, logical, analytical, social and spiritual development of all age students. The e-Course is the Birmingham School of Dentistry's e-Learning site. The main difference from most e-learning sites is that our students love it! It's a 24- hour unrestricted and interactive library for PES students here in Birmingham UK -whatever the course or year, you have full access to all the learning materials from the day you join to the day you leave. The e-Course was designed on the advice of the students: The management asked what they liked about the internet, and tried to put all the good stuff into the e-Course. Users will find pages and gadgets with ideas from Face book, iTunes, Wikipedia, You-tube, Fliker, Google, and many other Web 2.0 sites. In the e-Learning is essentially the computer and network-enabled transfer of skills and knowledge. E-learning applications and processes include Web-based learning, computer-based learning, virtual classroom opportunities and digital collaboration. Content is delivered via the intranet/extranet, audio or video tape, satellite TV, and CD-ROM.

9) S. D. M. College of Engineering and Technology, Dharwad:

The total collection of the centre is over 60000 books, 3000 back volumes of periodicals, 25000 reference books, 2000 standards etc. and an extensive range of high quality electronic resources. The electronic information resources subscribed through AICTE- INDEST are ASCE, IEEE, ASTM, ASME, Indian Standards, Springer Link, Compendex, INSPEC, J-Gate, MathsSciNet. The institute is also a member of DELNET-AICTE. The knowledge centre is constantly involved in selecting and giving links to web resources available freely on the web which enables users to get updated with latest information. The role of the centre is to provide access to the information resources required by members of the college for research learning and teaching.

There is a wealth of material to support learning and research. EPAC (E-Catalogue) helps to guide the members to access to these resources available in the centre. The Digital Library helps to access all digital content and e-resources of the centre accessible on the campus wide network. It also supports e-learning to the students. The virtual reference desk will help the users for any queries and enquiries. Electronic Thesis and Dissertations, patents and standards, student projects, conference proceedings, technical reports, research papers, drawings are uploaded in institutional repository which can be accessible in the campus. Guidance and assistance is available from any member of Library staff.

10) B.V.B. College of Engineering and Technology, Hubli:

The B.V.B. College main library has total collection of more than 72090 books, subscribing to more than 140 print and electronic journals, 2363 bound volumes of periodicals, and about 32 popular science and technology magazines; it has good collection of reports, designs and drawings, patents and standards, thesis and dissertations, CD-ROM's etc. The library is a member of INDEST-AICTE consortium and it subscribes IEEE, J-Gate, ASCE, Elsevier and ASME. It also subscribes AICTE-DELNET package. The library website also provide link to other institutional repositories, open source journals and databases like DOAJ and DOAR, Open- J Gate , free engineering e-books etc.

The whole library has been organized into eight units viz., acquisition, technical, maintenance, circulation, book bank, periodicals, establishment and computer units. The reprographic unit is linked with establishment unit. The library has developed a separate technological wing comprising Multimedia Unit and CD-ROM Work Station and e-mail division. The library is well supported with the Fax, Internet and Xerox services.

The OPAC allows users to search all types of information resources available in the library collection. Only Library Members can access Full text Digital resources by using their User ID and Password. The digital library has a large collection of institute publications, question papers, research reports, patents, conference proceedings, standards and specifications, drawings etc. These digital library resources can be accessed through off-campus mode also. The library is fully equipped with latest ICT infrastructure which supports Library and Information Science activities and services.

11) Basaveshwar Engineering College, Bagalkot:

Basaveshwara College of Engineering central library has a collection of over 29033 titles, 80666 volumes related to all the branches of Science and Engineering. A large number of National (74) and International (106) journals and magazines are subscribed. Special volumes like Handbooks, Standard books, Manuals, Encyclopedias, Technical reports, ISTE Learning Materials, Project Reports, Non-Book materials and Conference Proceedings are also available to the students and teachers. The library has subscribed electronic resources accessed through AICTE- INDEST Consortium, the resources subscribed are ACM Digital Library, ASCE, IEEE, ASTM, ASME, Elsevier, Science Direct and McGraw-Hills. It also provide access to other journals, databases, institutional repositories, digital libraries, portals etc. The information centre provides services to the users through separate section like circulation, Reference, Journal Section and Book-Bank for Schedule Caste/ Schedule Tribes students. The Library and Information Centre had computerized its activates and provides the services like lending, over night issue and OPAC facility through touch screen monitor.

The Digital Library has a large number of digital resources made available through digital library. The digital library collections includes old question papers, research articles, patents, standards, thesis, news clippings, theses and dissertations, reports, designs and drawings etc.

12) The National Institute of Engineering, Mysore:

Library and Information centre, NIE library has a collection 78,450 Volumes. The library amazingly rich collection contains abstracts, directories, yearbooks, biographical sources, textbooks, thesis, dissertations, encyclopedias and general books including Kannada novels. The library is also subscribing for

57+ Technical journals, 30 general magazines and library subscribed full text online database through AICTE-INDEST consortium and others to its users. ASCE Online, IEE Online, Elsevier, ASME, Springer, McGraw Hill, ASTM Digital Library Online Version, J-Gate and NPTEL Facility (National programme on technology Enhanced Learning). The library also provide links to other open source resources like DOAJ, Open J-Gate, DOAR, Online reference materials etc. The NPTEL facility (National Programme on Technology Enhanced Learning) to access video lectures and Membership of DELNET for resource sharing. Digital library with 20 systems to access the E-Journals, E-books, CD/DVD's are available in library. The digital library has huge collection of previous question papers, patents, standards, research publications, tutorials, conference proceedings, drawings etc.

Developing Library Network (DELNET) which is a network of more than 1026 institutions and access is being given to more than 50 lakh records through online systems. DELNET has been actively engaged with the compilation of various union catalogue of the resources available in member libraries. It has already created the union catalogue of books, union list of current periodicals, CD ROM database. DELNET provides an array of facilities including E mail to its member libraries including both institutional and associate institutional members. It has indeed been a big leap towards the modernization of libraries in India. DELNET is offering inter-Library loan & Document delivery services to its member libraries on request in delivering of books and journals through courier service.

Library & Information Centre provides unlimited information and intellectual requirements to its students and faculty with a user-friendly approach. It offers a fully integrated and dynamic environment for conducting academic study. Multiple copies ensure that resources are easily available in Reference Section and Sock Section as well. Beside this, it provides Lending of books and journal back volumes, reservation of books, photocopying, CD/DVD and Internet services, etc. The services offered by the library are, Book Circulation Service, Reference service / Referral Service, Journals & General magazine section, Newspaper clippings, Web OP AC / Bibliographic service, Online Access to e-resources, E-VIDYA Digital Library service, Inter Library Loan / Document delivery service, Reprographic services, etc.

13) Sri Jayachamarajendra College of Engineering, Mysore:

Library and Information Centre being one of the very important organs of the system, is the centre of all activities on the Campus. The Library is equipped with over 94,557 volumes covering all branches of Science and Engineering, Encyclopaedias, Dictionaries, Hand Books, Data Books and 330 periodicals. It has adopted open access system and maintains OP AC (Online Public Access Catalogue) to access the stack. Library And Reference section consists of Text books, Rare books, Reference books, year books, dictionaries, Encyclopaedias, M.Tech Ph.D theses, Exam materials and Novels, student can also get books/journals and CD/DVD's for Competitive Exams like IAS, IPS, GRE, TOEFL, GATE etc.

Library is subscribing over 330 print version of Technical journals covering both National & International. It also subscribes e-journals and other e-resources subscribed through AICTE- INDEST and others like ASCE, IEEE, Springer Link, Pro Quest Science, Web of Science, Emerald, ASME and also provide facility to access open source journals like J-GATE Publishers URL's etc. The library also subscribes DELNET-AICTE resources.

Library also have a Digital Library services to staff & students, for this purpose exclusively installed a IBM DS 3400 storage server, TechFocuz Digital Library Software 4.0 and 35 Computers. Students can access e-books, e-journals, computer based tutorials CD/DVD's, NPTEL Lecturer series, syllabus & Institutional publications etc.

Library activities are computerized. It has installed a Pentium server with additional nodes connected to campus network through FOC, Cat 5 cables. Barcode system has been introduced for circulation. Library offers photocopying facility, Video & Audio CD/DVD's on-topics of current engineering interest, Book Bank facility etc. The Library is catering to the needs of the students, members of faculty and research scholars.

14) P. D. A. College of Engineering, Gulbarga:

In the PDA library has a collection of 70,084 volumes that includes 17,000 volumes under the book bank and about 6900 volumes under SC/ST Book Bank. The collection includes reference works such as dictionaries, encyclopedias, hand books and standards. Nearly 2450 student project dissertations are also housed in separately in the library. The library has a stock of 2096 CDs and DVDs of books and technical periodicals and other audio-visual resources. The library subscribes to nearly 296 national and international technical periodicals. The library has 4000 back volumes of periodicals. The library is a member of INDEST-AICTE and AICTE- DELNET Consortium. The resources subscribed through INDEST- AICTE are American Society of Mechanical Engineers, American Society of Civil Engineers and IEE Electronic Library Online. The institute has subscribed for a complete package of information resources subscribed through AICTE-DELNET. The seating capacity of the library is 380 users, the library is computerized with web-enabled library software which facilitates within and outside campus accessed to library catalog. The library website also provide links to other online open access resources like DOAJ, DOAR, Free online engineering databases, other digital libraries, Institutional Repositories, e-books etc. The library is completely automated using integrated library automation software. Trained staff is always at hand to assist students and provide better library services.

The library also provide book bank services, Inter-Library Loan, Reference Service, Photocopying and Users Awareness Programmes about usage OPAC , e-journals, databases, Digital library etc. The library OPAC is kept up-to-date for providing better service to its users. The digital library is fully equipped with latest machines, it contains large collection of question papers, research articles, patents, project reports, news clippings, theses and dissertations and other educational resources.

15) The Siddaganga Institute of Technology (SIT), Tumkur:

The SIT library has a collection of 76,000 volumes that includes 25,000 volumes under the Book Bank and about 7600 volumes under SC/ST Book Bank. The collection includes reference works such as Dictionaries, Encyclopaedias, Hand Books and Standards. Nearly 3500 student project dissertations are also housed in separately in the library. The library has a stock of 1000 CDs, DVDs and Floppy Disks of books and Technical Periodicals and other Audio Visual resources. The library subscribes to nearly 200 Technical Periodicals of which about 90 are International, it has also a collection of nearly 3000 Back Volumes of Periodicals.

The library is also subscribing to Full Text Electronic Journals through INDEST - AICTE Consortium. Library is also member of ASCE, IEEE, ASME, Springer link, McGraw-Hill Digital Engineering Library, ACM Digital Library, ISA, High Wire Press and other Electronic versions of Journals. Library has also subscribed to BITES e-library which consists of over 23,000 E - Books. The library has membership with reputed libraries in Bangalore, like British Library, NAL Library, IIMB Library and CMTI Library by which our students and faculty can avail the reference services offered by the above Libraries.

The seating capacity of the Library is 450 users at a time, which also includes two separate AC Reading Halls of a capacity of 150 users. The library is computerised with WEB - enabled library software which facilitates within and outside campus accessed to library catalogue. The Software has a facility for Bar-coding for inventory and circulation control.

The Library has in stock about 76,000 Volumes. The collection of the Library comprises Books, Periodicals, Reference Books; mainly in Science, Engineering and Technology. However the Library has also, Indian Standards and some general books. It has a good collection of Bound Volumes of Periodicals and Student's Project Reports.

Library has listed some of the identified WEB-SITES pertaining to the Departments of: Architecture, Chemical Engineering, Chemistry, Civil Engineering, Computer Science and Engineering, Electrical, Electronics and Communication Engineering, Industrial Engineering, Instrumentation Technology, Mathematics, Mechanical Engineering, Physics and some sites pertaining to Language Learning and Quotations.

16) B. M. Sreenivasaiah College of Engineering, Bangalore:

The primary objective of the library is to offer a fully integrated and dynamic environment suited for academic pursuits, study and research for the students and staff, by augmenting traditional print and electronic resources both local and global technologies. The college library has become the member to Indian National Digital Library for Science and Technology (INDEST) Consortium, Sponsored by MHRD Government of India through the AICTE, New Delhi. Through the INDEST Consortium College Library has access to Library receives 165 numbers of technical journals and arranged area wise in the periodicals section. Library also has access to IEEE, ASCE, ASME, ACM Digital Library, Springer Link, and Science Direct periodicals in Digital form through INDEST Consortium, IIT Delhi.

The library provides various services like Lending, Reference, Referral, Reprographic, Career Information, Internet Services, Access to e-Journals, Access to Free Books & Journals, Online Public Access Catalogue (OPAC), Inter Library Loan. Library organizes regular Book Exhibition and Seminars/Workshops. The digital library is planned with a small conference hall, CD-ROM workstation and Internet facility is being provided to access the online library collection, E-Journals and anything related to the users' area of study and research. As a result of the tie-up with INDEST Consortium, access to IEL online resources is available. The library has a total collection of 110806 volumes of books. The library is presently subscribing to 144 National and 21 International Technical Journals. The students and researchers in need of more diverged information have been referred to use other reputed libraries like IISc, ISRO, NAL, IIMB etc. The library is automating its services and activities through "LIBSYS" package, which gives search facility, reservation facility among other things for the users. Bar coding of the documents is done and the books will be issued on digital identity card through computer.

CONCLUSION:

This paper gives a brief about Autonomous Engineering College libraries. All Autonomous engineering college Libraries under the study have very good ICT infrastructure for providing effective and efficient library and information services to the target audiences. All the colleges have subscribed to electronic information resources available through INDEST- AICTE Consortium. Few colleges have also subscribed to information resources and services available through AICTE- DELNET Consortium. All autonomous college libraries have fully automated their library and information centre using Integrated Library Management Systems and the bibliographical database is kept up-to-date. The library works in a networked environment. All the colleges have separate library websites linked to the institutional websites. The library websites provide information regarding library staff, facilities, services, library timings, library rules, new information resources available etc. The library homepage provide link to electronic resources subscribed through consortium and others, freely available open sources electronic information resources like e-journals, e-books, e-theses, gateways, repositories, portals, blogs and also provide link to other university/ institutions websites. All autonomous Engineering Colleges have designed and developed their own digital library with large collections of question papers, institutional publications, technical reports, electronic thesis and dissertations, projects, reports, conference proceedings, patents and standards, drawings and designs, newspaper clipping etc. Majority of the colleges have made their digital library resources accessible within the campus only, using Local Area Networking technology. The users can access to their accounts in the digital library using unique Id and password. Most of the engineering institutions have collaborated with special and academic institutions libraries to fulfill the information needs of the users.

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