

CHAPTER No. III

THE AUTOMATION OF

ENGINEERING COLLEGE

LIBRARIES: THE PRESENT

SCENARIO

III The Automation of Engineering College Libraries:

The present scenario

In modern age, the library automation is the highly essential process in the engineering college libraries. Library automation helps for running the all in-house library activities very smoothly. Library software is one of the most important part which is highly required for the library automation. Without software, the only hardware is meaningless. So, for that study, the researcher has selected the topic- Use of Library Software in the Engineering Colleges affiliated to Shivaji University, Kolhapur: a study. For this study, the researcher has personally visited 12 engineering colleges in the Shivaji University area which covers three districts, i.e. Kolhapur, Sangli and Satara.

This chapter deals and describes about state of art scenario about selected engineering colleges. Also mentioned about library automation of each engineering college and its progress.

Tatyasaheb Kore Institute of Engineering & Technology was established in 5th September, 1983. The institute is a private unaided type. It is run by Shree Warana Vibhag Shikshan Mandal, Warananagar. The institute is approved by AICTE, New Delhi and recognized by Govt. of Maharashtra. It is accredited by National Board of Accreditation (NBA), New Delhi and awarded 'A' grade by Govt. of Maharashtra. Also an ISO 9001-2000 certified by TUV.

TKIET spreads over a sprawling 30 acres, surrounded by lush green picturesque landscape. It is 30 kms to North west of Kolhapur city. The institute is reputed for its high academic standards, well maintained discipline and excellent infrastructure facilities. The rural country-yard of Warananagar provides a calm and quiet environment for healthy teaching-learning process.

The institute offers Undergraduate Courses in Civil Engg., Electronics Engg., Chemical Engg., Mechanical Engg., Information Technology, Computer Science and Engg., and Biotechnology and Postgraduate Courses in Chemical Engg., and Electronics Engg.

The total collection of the library is more than 34000 text and reference books (titles – 13792). The technical journals i.e. International journals are 41 and National journals are 99. Bound volumes are 1664. The technical CDs are 1650+, floppies- 105 and Audio-Video Cassettes are 70. Book Bank facility is given for the all students. There is a separate BookBank Scheme for the SC/ST students. All sections are separately developed like stack section, reference section, journals section, book bank section, Xeroxing etc. The spacious and well furnished 'Reading Hall' having seating capacity of 150 students.

The Central Library of TKIET is spacious (covering area – 1028 sq.m.), well furnished and partially automated with the library software- **Library Management System- 'e-Librarian'**. It is in LAN of 5 computers i.e. multiuser software. This software is performing almost all operations of all modules like acquisition module, cataloguing module, circulation module

and serial control module and other additional operations such as OPAC (On-line Public Access catalogue), barcode facility, reports generation etc. At present the database of books is created and other data bases are in progress. The authority is satisfied with the present library software, because the software is running all library in-house activities very smoothly.

Govt. College of Engineering , Karad was established in 1960 has blossomed into a major education centre essentially due to the combined efforts of a very dedicated team of staff and students who are committed to the overall development of the institute. The institute offers undergraduate programmes in five disciplines like Civil, Electrical, Mechanical, Information Technology and Electronics & Telecommunications and postgraduate programmes in five areas of specialization like Structural engg., and construction management, Civil Engg., Heat power and Production in Mechanical Engg., and Power System in Electrical Engg., besides the MCA course. All courses are approved by AICTE, New Delhi and recognized by Govt. of Maharashtra.

The library has over 58525 text/reference books in almost all the disciplines of engineering. The library subscribes 8 International Journals and 60 National Journals and also e-journals are 270. Bound Volumes are 3995 and Audio-Video Cassettes- 73, CDs- 248 and CAL packages- 2.

The Central Library is spacious and all sections are separately developed i.e. stack section, reference section, book bank section, journals section and reading hall etc. The library is automated with SLIM software.

It performs almost all operations of all modules such as acquisition , cataloguing, circulation and serial control. Also providing the OPAC facility, Barcode facility, Reports Generation, Backup files etc. The databases of books and periodicals are created and other databases are in process. The authority is satisfied with the present library software, because it is working very satisfactorily, but there are problems related to humanware i.e. untrained staff.

Annasaheb Dange College of Engineering and Technology, Astha was established in August 1999 as a private college. It is financed and run by the Dnyanshwar Shikshan Sansatha. The college is on the Sangli-Pune Highway. It is 18 km away from Sangli city and 0.5 km away from Astha city. The institute campus has got 32 acres area. Campus is well developed with all the infrastructural facilities like, main building with classrooms, departmental laboratories, central library etc. The college is running the faculties of Electronics & Telecommunication, Mechanical and Information Technology. The institute is approved by the AICTE, New Delhi and recognized by Govt. of Maharashtra.

The Central Library area is 571 sq.m. having facility of study room. The library with all the books essential for academic education and reference books are available. The periodicals and magazines are also available. Total collection is 9548 (titles- 3165) of text and reference books. The International Journals are 19 and National Journals are 19. Also CDs are 777 and e-journals 250 subscribing from Springer's Link.

The library is gone through the library software of Date Computers, Sangli. The database of books is created through this software. But the authority is not satisfied with this software due to the software installation problem. The installation problem is occurring frequently. Also there are problems related to humanware i.e. untrained staff.

Kolhapur Institute of Technology's College of Engineering, Kolhapur is established in May 1983 as a private institute. KIT reflects the vision of leading industrialists and educationalist's. The exposure and experience of it's founders has helped KIT to establish it's identity as an institute of repute in the field of Engineering and Management Education.

KIT is a private institute and approved by AICTE, New Delhi. It is running eight departments of Electronics, Production, Civil, Mechanical, Environmental, Computer Science & Engg., Information Technology and Biotechnology.

The Central Library has excellent facility with multiple and sufficient copies of text books, reference books and periodicals. Book bank facility for all students, as well as free Book Bank facility for reserved category students is available. A separate reference section, study room and Xeroxing facility is also available. Internet connection is also provided for online search of study material.

Total no. of books are 25342 (titles- 7097). International Journals are 20 and National Journals are 72. Also subscribing online journals are 162.

The Central Library is partially automated with In house library software i.e. Library Management System. It performs the operations of Acquisition module, Circulation module and other operations like OPAC, Barcode facility, Stock Verification, Budget formulation, Report generation and files backup. The databases of books, reports and local databases are created. But there are some problems related to software like interchanging of data, modification of data etc. They have decided to change the library software shortly.

Padmabhooshan Vasantdad Patil Institute of Technology, Budhagaon, Sangli is a private institute and established in the year September 1983. The college is located at Budhagaon about 7 kms from Sangli city. It is approved by AICTE, New delhi and recognized by Govt. of maharashtra.

The institute is running seven courses in Mechanical, Electronics & Telecommunication, Electronics, Instrumentation, Information Technology, Chemical and Civil Engg.

Institute has enriched library with more than 28000 volumes of books with more than 1000 titles. International Journals are more than 20 and National Journals are more than 90. It also subscribing 125 e-journals from IEL and ASME Society.

The automation of library is partially done by Diksha Library Software. Almost all operations of all modules are performing through this

The Central Library is housed in a sprawling 1000 sq.m. area. It has 2450 (titles- 8809) text and reference books. International Journals are 29 and National Journals are 48. Bound Volumes of technical journals and CDs on subjects such as Technical, Science, Business & Societal.

The library is automated with the library software-SLIM 21. This software is performing almost all operations of Acquisition, Cataloguing, Circulation, Serial Control modules etc. The database of books is created and other databases are in process. There are no problems related to hardware, software and humanware. The authority is satisfied with the present software, because the routine library activities are running smoothly through this library software.

Rajarambapu Institute of Technology, Rajaramnagar, Sakharale took birth in the year 1983 as a private institute. It is located near Islampur, 7 kms from Pune-Bangalore Highway. RIT emerged as a leading technological institution in Maharashtra very soon. RIT has a beautiful green campus of 39 acres and buildings on it worth 33000 sq.m. It offers both UG & PG Programmes in the core as well as special branches as under: Degree Courses- Mechanical Engg., Automobile Engg., Electronics & Telecommunication Engg., and Postgraduate Courses- MBA, M.E. Mechanical (Design), M.E. Mechanical (Production), M.E. Civil (Structural), and M.E. Electronics. All courses are approved by AICTE, New Delhi and recognized by Govt. of Maharashtra. Also accredited by NBA, New Delhi.

A good educational setup is characterized by a rich and well furnished library. RIT's excellent library has a marvelous collection of over 34000 volumes (over 13000 titles) that including 7000 reference books. Its investment is Rs. 63 lakhs. RIT has been subscribing for more than 20 International Journals and 70 National Journals and Magazines. It is also subscribing 180 online journals.

The Institute Library has done partial automation through Infotek Software & Systems. The database of books is created through this library software. The software is performing the required operations of Acquisition, Cataloguing, Circulation and Serial Control modules. Also performing the OPAC facility to the library users. There are no problems related to hardware, software and humanware. The authority is satisfied with this library software, because the routine work of library is running smoothly.

Dr. J.J.Magdum College of Engineering, Jaysingpur was started in 1992 and since then, the college has made rapid progress. The college possesses all the infrastructural facilities and provides personal attention to the students.

The college has beautiful, picturesque, spacious campus having computerized administrative office. Well equipped departmental laboratories and computer labs with 1 mbps internet connectivity.

The college is running five undergraduate courses i.e. Civil Engg., Electronics Engg., Electronics & Telecommunication Engg., Computer Science Engg., and Information Technology.

The Central Library is well stocked with 20788 text and reference books (titles- 5494). 814 Bound Volumes of technical / non-technical journals and 864 CDs. Library is subscribing 16 International Journals and 81 National Journals and Magazines. Book Bank facility is also available to the students.

The Central Library is automated by the List Software, Pune. It is performing all operations of all modules except Serial Control module. Databases of books, other documents, and local databases are created in this software. The authority is satisfied with the present software but there are some problems related to software such as maintenance and its customization. The problems related to humanware such as untrained staff, tendency of staff not learning about computers are still unsolved.

Walchand College of Engineering, Sangli is situated midway between Sangli and Miraj cities at Vishrambaug, Sangli. The WCE campus is located on nearly 102.50 acres of land on the southern side of Sangli-Miraj road. The college is Govt. aided and approved by AICTE, New Delhi. Also accredited twice by NBA, New Delhi. In 1947, college made a modest beginning with Civil Engg. Undergraduate course. Subsequently undergraduate courses in Electrical and Mechanical Engg. introduced during the years 1950 and 1951 respectively.

PG courses in Civil, Mechanical and Electrical Engg. and Diploma course in Industrial Electronics were introduced in 1971. In 1986 the UG and PG courses in Electronics Engg. And UG course in Computer Science and Engg. were introduced. PG course in CSE was introduced in 1997. In 2001 added UG course in Information Technology.

The spacious library of the college holds a collection of over 44495 books 26648 Book Bank books and 11153 Bound Volumes of technical journals and magazines accumulated over the past six decades i.e. total collection is 82296. It subscribes to 65 technical journals and also receive 200+ online technical research journals of ASME, ASCE and IEL society.

The Central Library has completed the whole process of library automation of the following areas- record of books, record of periodicals, record reports, record of other documents and record of local databases. For the automation of library, the software (Library Management System- 'e-Librarian') developed by Infosawant, Technology, Sangli is used. It is user-friendly and menu driven interactive. This software is performing all operations of all the modules like acquisition, cataloguing, circulation, serial control and additional OPAC system as well as reports generation and barcode facility. There are no problems about hardware, software and humanware. So, the authority is satisfied and familiar with the present software.

Bharati Vidyapeeth's College of Engineering, Kolhapur is established in the academic year 2001-2002 near Chitranagari, Kolhapur. It is a private college and approved by AICTE, New Delhi and recognized by

Govt. of Maharashtra. The college is running the following courses- Computer Science & Engg., Electronics and Telecommunication, Information technology, Mechanical Engg., and Electronics Engg.

The institute has a grievance redressal cell. It functions with the guidance and assistance of the Principal, Vice-principal and the representative of the teachers, students and the non teaching staff of the institute.

The library is well equipped state-of-art library, housed in 400 sq.m. is a unique feature of the college. The management of the college lays special emphasis on developing "reading culture" amongst students in view of which library is stocked with almost 9581 text and reference books (titles- 1986) to meet the demand of students and faculty. The library is subscribing 45 International Journals and 12 National Journals and 19 magazines. In addition to this 1000 CDs and floppies are issued to the students on regular basis. An Internet library of 25 connections is developed for the students. A special 'Reading Room' with 100 students capacity is developed which is kept open up to 12 p.m. during examination period.

The library is gone through automation partially, creating databases of books, reports by In house library software i.e. Library Management System. The present library software performing the operations of following modules only- acquisition and circulation. It is in developing process.

Karmveer Bhaurao Patil College of Engineering & Polytechnic, Satara was started functioning in the year 1983 as a private college with Production Engg., Electronics Engg., and Civil Engg. Courses in both Degree and Diploma Streams. Looking into the requirement Mechanical Engg. And Computer Science & Engg. courses have also been started in the Degree wing. The college is approved by AICTE, New Delhi and recognized by Govt. of Maharashtra. A postgraduate course in Civil Engg., Construction and Management (Vocational) was started in the year 1987.

The college run in a spacious building is located in serene surroundings in the historic city of Satara which has a equitable climate throughout the year. The college is dedicated in imparting, quality education to the student community. College has thus progressively developed into a premier technical institution in Western Maharashtra.

The Central Library has total collection of more than 50000 text books, reference books and book bank books and it is subscribing 17 International Journals and 73 National Journals. It also has 800 Technical CDs.

The Central Library is automated by SOUL software by creating the databases of books and periodicals. This software is performing the operations of acquisition, cataloguing, circulation, serial control and other operations like OPAC, Barcode generation, reports generation etc. The databases of books, periodicals has been created by this software. There are

some problems related to software such as after sale service, data updating etc. But the authority is satisfied with SOUL because the routine work of the library is running satisfactorily.

D.Y.Patil College of Engineering & Technology, Kasba Bavada, Kolhapur was established in 1983 as a private college. The college is approved by AICTE, New Delhi and recognized by Maharashtra. The college is running eight degree courses i.e. Architecture, Chemical, Civil, Computer Science & Engg., Electronics, Information Technology, Mechanical and Production Engg.

The college library has total collection of 19113 text and reference Books. The library is subscribing International and National Journals. It is also subscribing 500 e-journals from Springer's Link. It has 800 CD collection.

The library is partially automated by creating the database of books through ready made software named K.P.Solutions, Kolhapur. The present software performing few operations of acquisition and cataloguing modules, almost all operations of circulation module but not performing the single operation of serial control module. Additional operations like OPA Barcode generation, reports generation, backup files etc. are performing satisfactorily. But there are some problems related to hardware, software and also humanware so the authority is not satisfied with the present library software.