CHAPTER- IV
AUTONOMOUS ENGINEERING COLLEGES IN KARNATAKA:
A PROFILE

4.1 Introduction

Education has always been looked upon by the Indian culture as a holistic effort since time immemorial. Indian culture has held education as a core attribute of life, beginning from “Gurukul” type of education, where the disciples lived in the house of the Master who taught them, all things he knew, “orally” for several years. As a tradition, education is being looked upon holistically even today in India. The students learn with dedication, whatever be the discipline. Be it Medicine, Engineering, Electronics, Humanities or any subject one is likely to get proper higher education in any of these fields in our country. Today the higher education programme is controlled and maintained by the University Grants Commission (UGC) of India. It strives to keep the quality of education on par with the international standards. Education in India is a part of a heritage, India acquired during the British Rule. Since then all fields of education have remained up-to-date in quality and in quantity. Medical education, Technical education or any type of professional education be it, have been updating themselves according to the growth of disciplines all over the world.

4.2 Higher Education

Compared to the past higher education is rampant, easily accessible and affordable in present times. Colleges and universities that offer different education schemes are aplenty. All of them offer an international quality of education. Today there are 42 central universities in India, which are funded by the Government of India. Besides this, there are 130 universities, which have been accorded university status and are called "Deemed Universities". Graduating to the status of University means the concerned Institution is maintaining a global standard of education and they will have the most modern laboratories to import effective learning into the student’s mind. The state governments, under UGC law, are entitled to establish their own universities, funded by the respective state government.
4.3 Technical Education: The Nascent Stage

Technical education, unlike other types of professional education, has not had a long history. Though in the ancient and medieval periods, Man had built large brick and stone houses, castles, cities, huge temples, constructed long highways, dug good aqueducts and canals which show considerable knowledge of Civil and Hydraulic Engineering. One can also get a basic idea of the properties of building materials, this knowledge must have been derived empirically. Traces of Mechanical Engineering are to be found in the manufacture and use of tools, means of transportation, simple machinery like lathes and drives and also in weapons of offence and defense. Rudiments of chemical engineering are to be seen in the old metallurgical practices. But there were no organised schools for teaching apprentices, the use of machinery or knowledge of processes; because knowledge passed from generation to generation of craftsmen and artificers, by word of mouth, and was thus confined to castes and guilds through inheritance.

The industrial revolution with the advent of the Industrial Age, which was ushered in by the discovery of the steam engine by James Watt in 1780, and the ability to generate and handle large amounts of power was rendered possible, by the invention of the steam engine. Men passed from dependence on human labour and hand tools to large and complicated machinery; production of commodities passed from cottage workshops to factories. Transportation by bullock-carts, horse-driven carriages, and wind or men driven boats, gave way to railroads and steamships. All this necessitated the construction of large machines, engines, ships and carriages, and gave rise to problems of industrial finance and labour.

4.3.1 Engineering and Technological Education in India up to 1947

The impulse for the creation of the Centres of technical training came from the British rulers of India and it arose out of the necessity for the training of overseers and supervisors for the construction and maintenance of public buildings, roads, canals and ports, along with the need for the training of artisans and craftsmen for the use of instruments, and apparatus needed for the army, the navy, and the survey department.
The first engineering college was established in the U.P. in 1847 for the training of Civil Engineers at Roorkee, which made use of the large workshops and public buildings there that were erected for the Upper Ganges Canal. The Roorkee College (or to give it its official name, the Thomson Engineering College) was never affiliated to any university, but has been giving diplomas which are considered to be equivalent to university degrees. In pursuance of the Government policy, three engineering colleges were opened by about 1856 in the three Presidencies. In Bengal, a College called the Calcutta College of Civil Engineering was opened at the Writers' Buildings in November 1856; the name was changed to Bengal Engineering College in 1857, and it, was affiliated to the Calcutta University. It gave a licentiate course in Civil Engineering. In 1865 it was amalgamated with the Presidency College. Later, in 1880, it was detached from the Presidency College and shifted to its present quarters at Sibpur, occupying the premises and buildings belonging to the Bishop's College.

Proposals for having an Engineering College at Bombay city having failed for some reasons, the overseer’s school at Poona which eventually became the Poona College of Engineering was affiliated to the Bombay University in 1858. For a long time, this was the only College of Engineering in the Western Presidency.

In the Madras Presidency, the industrial school attached to the Gun Carriage Factory became ultimately the Guindy College of Engineering and was affiliated to the Madras University 1858.

In Bengal, the leaders of the Swadeshi Movement organized in 1907, a National Council of Education which tried to organize a truly National University, out of the many institutions it started, only the College of Engineering and Technology at Jadavpur had survived. It started granting diplomas in mechanical and engineering courses in 1908, and in chemical engineering by 1921.

The Calcutta University Commission, debated the pros and cons of the introduction of degree courses in mechanical and electrical engineering, one of the reasons cited, from the recommendations of the Indian Industrial Commission (1915, under the Chairmanship of Sir Thomas (Holland) against the introduction of electrical engineering courses is given in the following quotation from their report.
The credit of first starting degree classes in mechanical and electrical engineering and in metallurgy belonged to the University of Banaras, thanks to the foresight of its great founder, Pt. Madan Mohan Malaviya during 1917. About fifteen years later, in the years 1931-32, the Bengal Engineering College at Sibpur started mechanical engineering courses, electrical engineering courses in 1935-36, and courses in metallurgy in 1939-40. Courses in these subjects were also introduced at Guindy and Poona about the same time. Quite a number of engineering colleges have been started since August 15, 1947. It is due to the realization that India has the vision of becoming a great industrial country, and would require a far larger number of engineers could be supplied by the older institutions. In some cases, existing lower type institutions have been raised to the status of degree-giving colleges.

4.3.2 Post Independence Scenario

The ‘Industrial Revolution’ of the 18th century laid the foundation of a technological civilization and gave rise to a new system of learning process which is known as “Technical Education”. The technical education system brought out the concept of establishment of training institutions in order to meet the challenges of fast changing technological environment around the world. The foundation of technical education was laid in India almost at the same time as in Europe but its growth was stunted in the sub-continent till India became independent. In 1794, the English traders established a survey school at Madras to train Indian personnel in modern land survey and to assist British surveyors. In 1842, an industrial school was established at Guindy, Madras which was attached to the Gun Carriage factory in Madras. Another industrial school was established at Poona in 1854 for training of overseers.

The first engineering college, Thomson Civil Engineering College, Roorkee was established in 1847 by the provincial Government to supply the manpower needed for the Public Works Department (PWD) and Survey Departments of the Government of India. In the beginning of the twentieth century, with an increased realization of the importance of technical education in India, another engineering college was established at Jadavapur, West Bengal under the auspices of the National Council of Education which started a diploma course in Mechanical engineering in 1908 which was followed by a chemical engineering course in 1921.
Sir Jamshedji Tata, an industrialist and a devout nationalist, established the Indian Institute of Science (IISc) at Bangalore in 1909, which started a certificate and an associateship course at the degree level in Electrical Engineering. In 1917, Banaras Hindu University started a comprehensive degree course in Electrical and Mechanical Engineering. In 1936-37, a two member team of British experts advised the Government on a major reform in the technical education system, based on which a model institution called Delhi Polytechnic was started in Delhi, which was later named as Delhi College of Engineering. In 1944, Government of India started a Department of Planning and Development. Thus it was in 1944, the foundation of a planned development of technical education, training and research was laid. The result was the establishment of the Department of Scientific and Industrial Research (DSIR) and the AICTE in the year 1945.

4.3.3 Growth of Technical Education in India after 1950.

India launched a massive program for planned development soon after becoming independent. Apart from the shortage of material resources, the country faced acute shortage of technicians and graduate engineers. The birth of AICTE gave a new dimension to engineering education in India which started with the appointment of a committee in 1945 under the chairmanship of Shri N. R. Sarkar, popularly known as the Sarkar Committee, which recommended for the establishment of four higher technical institutes across the country, on the pattern of the MIT, USA to meet India’s post war need for high grade engineers, technologists etc.

An ambitious program of expansion of technical education was undertaken to overcome this problem. Expansion in higher technical education started in a major way during the second five-year plan (1956-1961). The government of India established five Indian Institutes of Technology (IITs) through an Act of Parliament and declaring them to be institutions of national importance. The IIT at Kharagpur was established in 1950. IIT at Kanpur, Delhi, Chennai and Mumbai were opened during 1959-1960. IIT at Guwahati started in 1994 and the University of Roorkee established in 1949 renamed as IIT in 2001. The Government of India in 2008 established six new IITs at IIT Ropar, IIT Patna, IIT Jodhpur, IIT Bhubaneswar, IIT Gandhinagar, IIT Hyderabad and in 2009 two new IITs were established namely IIT Indore and IIT Mandi. In 2012 Indian Institute of Technology (Banaras Hindu
University), Varanasi was established. Now there are sixteen Indian Institutes of Technology in India.

Another significant development during this period was the establishment of Regional Engineering Colleges (renamed as National Institutes of Technology REC/NIT) in various states. Of the 29 NITs, 12 were established during 1959-1961 and 05 were added during 1963-1967, 02 were added during 1986 and 1987, 10 NIT were added during the year 2010 respectively. After World War II, great advances in Science and Technology (S&T) resulted in significant changes in engineering programmes, to adapt to the rapid developments in technology. Many new engineering colleges have been established during 1950-1960s and the premier institutions of pre-1947 period underwent major expansion to incorporate technology and IT related courses in their curriculum. The government’s expansion plan was also noticeable through the permission grant to various Societies/Associations in private sector by encouraging them to establish self-financing engineering colleges. As a result, the number of institutes offering technical education significantly increased since 1990s. The growth of technical institutes in India for the past six decades is shown in fig. 4.1.

Fig. 4.1 Growth of Engineering Institutions in India.

<table>
<thead>
<tr>
<th>Years</th>
<th>Number of Engineering Institutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1950</td>
<td>58</td>
</tr>
<tr>
<td>1955</td>
<td>118</td>
</tr>
<tr>
<td>1960</td>
<td>163</td>
</tr>
<tr>
<td>1965</td>
<td>226</td>
</tr>
<tr>
<td>1970</td>
<td>286</td>
</tr>
<tr>
<td>1975</td>
<td>328</td>
</tr>
<tr>
<td>1980</td>
<td>375</td>
</tr>
<tr>
<td>1985</td>
<td>556</td>
</tr>
<tr>
<td>1990</td>
<td>662</td>
</tr>
<tr>
<td>1995</td>
<td>776</td>
</tr>
<tr>
<td>2000</td>
<td>836</td>
</tr>
<tr>
<td>2005</td>
<td>1057</td>
</tr>
<tr>
<td>2010</td>
<td>1207</td>
</tr>
<tr>
<td>2015</td>
<td>1356</td>
</tr>
<tr>
<td>2020</td>
<td>1415</td>
</tr>
<tr>
<td>2025</td>
<td>1460</td>
</tr>
<tr>
<td>2030</td>
<td>1467</td>
</tr>
</tbody>
</table>


4.4 Engineering and Technological Education in Karnataka

Imparting of technical education as a part of curriculum made its beginning only in the latter half of the 19th century in Karnataka, when the first institute, the
School of engineering was established in Bangalore in 1862. The school had two classes and was intended to train men for employment in subordinate engineering services. This was affiliated to Madras University. Even then, the School of Engineering, Bangalore was the only institution in old Mysore for several years. Thereafter, Public Works Department School was established by Rao Bahadur Arcot Narayanaswamy Mudaliar in Civil and Military station in 1873. As a first step, an industrial school was established at Hassan in 1889 and then, a similar school at Mysore in 1892. There were 14 industrial schools in old Mysore at the time of integration. Some of them were converted into industrial training institutes and some others were closed. The Sri Krishnarajendra Silver Jubilee Technological Institute was founded to commemorate the silver jubilee of the reign of Krishnarajendra Wodeyar in 1938 with Textile technology as the subject of study. Presently this is offering graduate and post-graduate courses in Textile technology.

The Sri Jayachamarajendra Occupational Institute (presently Sri Jayachamarajendra Polytechnic) was started in 1943, with a view to train youths required, by utilizing the munificent donation of two lakhs rupees by Sir M Visvesvaraya. Before 1922, the Jayachamarajendra Technical Institute, Mysore had a Civil Engineering section imparting instructions in Civil and Mechanical engineering. The Engineering School, Bangalore was imparting instruction in Electrical and Mechanical engineering. The expansion of industry during the world war as well as in the post-world war period created a greatly increase in demand for technicians of grades, which was met by expanding the existing technical institutions available. By 1955-56, the number of industrial and vocational schools increased to 15. The number of courses in Jayachamarajendra Occupational Institute also increased. Vocational Institutes were started at Hassan (1948), Davanagere (1949), Chinthamani (1950), Bhadravati (1950). In 1954, CPC Polytechnic at Mysore was started. By 1955-56, there were 9 institutions in the then Mysore state.

In 1917, the Mysore Government started an engineering college at Bangalore. For a long time till 1946 this was the only college for the whole state. After 1946 three more colleges were started, one of which was by Government and the two managed by private societies. And at the time of unification, there were four engineering colleges in Mysore region and one college at Hubli in the Bombay
Karnataka region. They were the College of Engineering, Bangalore (Government),
the B. M. S College of Engineering, Bangalore (Private), the National Institute of
Engineering, Mysore (Private), B.V.B. College of Engineering, Hubli (Private) and U.
B. D. T College of Engineering, Davanagere (Government). The total student
strength of five institutes during 1956-57 was 2,924 which included only 2 girls.
Between 1956-57 and 1968-69, 10 Private and one Government Engineering college
were established i.e., Karnataka Regional Engineering College (KREC), Surathkal,
which is now, renamed as National Institute of Technology, Karnataka. During 1960-
1970 six more engineering colleges were added. Further, 21 engineering colleges
were established during 1980-1990 to meet the demands in different parts of the state.
This growth continued during 1990-2000 and the Karnataka state saw the birth of 24
engineering institutions during this decade. The demand for more colleges continued,
resulting in the establishment of 125 additional colleges during 2001-2012 bringing
the total number of engineering colleges to 276 and one deemed to be University i.e.,
National Institute of Technology, Surathkal, Karnataka.

Until 1950, Karnataka had only five government-aided engineering colleges
and University Visveswarayya College of Engineering (UVCE), Bangalore was the
first engineering college in the state established in 1917. The next two decades saw an
addition of seven Government-aided and four private colleges. Nine new private
colleges were added during 1979 and since then, the number of private engineering
colleges significantly increased in the state. Since 2000, the state saw the addition of
forty seven engineering colleges and as on 2012, now the total number of engineering
colleges in Karnataka is 276 and the annual intake to these colleges in UG/PG and
Diploma program is 198172 students. Among 276 engineering institutions 101 are
Government, 41 Government Aided, 133 Un-aided Private and 01 Managed by the
University. The private organizations dominate the Technical education in the state
of Karnataka.

4.5 Visvesvaraya Technological University (VTU)

As a tribute to the great visionary Sir M. Visvesvaraya, the Government of
Karnataka has established Visvesvaraya Technological University (VTU) at Belgaum
on 1st April 1998 as per the VTU act of 1994 in order to affiliate and manage the
engineering colleges, recognized by University Grants Commission (UGC) on 24th
August 1999. This has ushered in a new paradigm shift in the field of technical education by bringing various engineering colleges affiliated earlier to different universities, with different syllabi, different procedure and different traditions under a single umbrella. The setting up of VTU has brought uniformity in academic and administrative functions of the engineering colleges in Karnataka. The VTU prides itself as the leading technological university of India with a vision to be among the global best in technical education. Location of the university is shown in the figure 4.2.

**Fig.4.2 Karnataka state map locating Visvesvaraya Technology University (V.T.U)**

VTU is one of the biggest Technological University in India, having 194 colleges affiliated to it with under graduate course in 28 branches of BE/B.Tech and 71 branches of PostGraduate Programme leading to M.E./ M.Tech categorised into eight broad streams of engineering namely Civil Engineering, Mechanical Engineering, Electrical Engineering, Electronics Engineering, Computer Science Engineering, Chemical Engineering and Biotechnology Engineering. In addition, the University has Architecture, MBA, MCA, M.Sc. (Engineering) by Research and Ph.D programmes through affiliated colleges.
### 4.6 Autonomous Engineering Colleges affiliated to VTU in Karnataka

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. 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.

4.6.1. R. V. College of Engineering, Bangalore.

Rashtreeya Vidyalaya College of Engineering (also called R.V. College of Engineering) is a private technical co-educational college located in Bangalore, Karnataka, India. Established in 1963, R.V. College of Engineering has 11 departments in Engineering, one school of Architecture, and a Master of Computer Applications department. It is affiliated to the Visvesvaraya Technological University, Belgaum. The undergraduate courses are granted academic autonomy by the university. R.V. College of Engineering is accredited by the All India Council for Technical Education (AICTE), all its departments are accredited by the National Board of Accreditation (NBA), and its school of Architecture is accredited by the Council of Architecture (COA). It was founded, and is managed by the Rashtreeya Sikshana Samiti Trust in Bangalore. It has been recognised as a centre of excellence by the Union Government of India.

R.V. College of Engineering has departments like Biotechnology, Chemical Engineering, Civil Engineering, Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering, Industrial Engineering and Management, Information Science Engineering, Instrumentation Technology, Mechanical Engineering and Telecommunication Engineering. These departments offer four year undergraduate courses in engineering. All of the undergraduate courses have been conferred autonomous status by the Visvesvaraya Technological University. The R.V. College of Architecture (RVCA) offers a 5 year course in architecture, which is accredited by the Council of Architecture (COA). The
allied departments of the college are the departments of Physics, Chemistry, Mathematics, Humanities, and that of placement and training.

Postgraduate courses offered by the college are completely under the ambit of the university. The Master of Technology course is offered by departments of Computer Science, Electronics and Communication and Mechanical Engineering. The School of Architecture offers a program in Master of Architecture, accredited by the COA. The Master of Computer Applications department offers a postgraduate course in Computer Applications.

RVCE is spread over 53 acres on the banks of the Vrishabhavati River in Bangalore, located on the Mysore Road, between Bangalore University gate and Kengeri. The campus has a building for each undergraduate department, with the exception of the Biotechnology, Information Science, Instrumentation Technology and Master of Computer Applications departments, which are housed in a single building. The college has a post office, health centre and browsing centre.

The college has industry collaborations and Memorandums of Understanding (MoUs) with companies and universities. The college has tied up with universities in India, the United States, Germany, South Korea and Singapore. The college has twinning programs with many institutions including Konyang University, South Korea, University of Wisconsin–Milwaukee, West Virginia University, Missouri University of Science and Technology, Lamar University, all in the United States; Aachen University and University of Muenster in Germany; ISMANS, France; University of Sydney and University of Wollongong, both in Australia. The college also has ties with the Kuvempu University, Shimoga; Bangalore University, Bangalore and Mangalore University, Mangalore. The college also has industrial interactions with companies like ABB, Indian Space Research Organisation (ISRO), Bruhat Bengaluru Mahanagara Palike (BBMP), DELL, WIPRO, Gas Turbine Research Establishment (GTRE) and the Indian Railways.

**Library and Information Centre**

The RVCE Library consists of a Central Library and 12 departmental libraries which collectively support the teaching, research and extension programmes.
of the Institute. All students, faculty members of the Institute are entitled to make use of the Library facilities on taking library membership. The Library, besides having a huge collection of books on engineering, science and humanities offers library services through its various Divisions. Initially setup in 1963, the Central Library moved to its new independent building in FEB, 1989.

RVCE library aims at being the best among engineering college libraries in the country. The library intends to incorporate the latest technology and adopt user friendly approach towards students and faculty. It intends to offer comprehensive services related to dissemination of knowledge. The main goal of the library is to serve the academic needs of all students and faculty members. As a center for collection of books and Journals of all related subjects to develop a comprehensive collection of information required for teaching and reference purpose. It is dedicated to acquire, organize Information resources to meet the present and future needs of its users.

The Library uses Smart Campus software package which is an integrated multi-user library management system that supports all in-house operations of the Library. 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 Idenizen 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.
4.6.2 M. S. Ramaiah Institute of Technology, Bangalore.

The M.S. Ramaiah Institute of Technology (MSRIT) is an autonomous private engineering college located in Bengaluru, Karnataka under the aegis of Visvesvaraya Technological University head quartered at Belgaum, Karnataka established in the year 1962 by the late Dr. M. S. Ramaiah, well-known educationist, philanthropist, and infrastructure visionary. From Aug 2007, MSRIT has been academically autonomous. While VTU will still award the degrees, the college has academic freedom in framing its own schemes of study, curricula and student evaluation. MSRIT is also a research centre in 12 areas of engineering discipline. When MSRIT was established it was affiliated to University of Mysore, later with the Bangalore University (until 2002) and now Visvesvaraya Technological University, Belgaum. It is an institutional member of the ISTE and is recognised by the AICTE. It has been certified ISO 9001:2008 and has been accredited by NBA. MSRIT is one the institutes to be funded under TEQIP (Technical Education Quality Improvement Program) by the World Bank.

Today MSRIT is regarded as one of the top private colleges in India owing to its robust infrastructure and placement services. MSRIT is part of Gokula Education Foundation (GEF) which owns and manages institutions of excellence in education across streams - Medicine, Pharmacy, Engineering, Management, Law, Arts, and Science.
Strategically located in the heart of Bangalore City. MSRIT boasts of the very best in terms of infrastructure, faculty, associations, and industry alliances and is among the few institutes with a student to faculty ratio of 1:15. Over the years, the institute has consistently produced outstanding engineers who today occupy responsible positions in some of the best-known enterprises across domains worldwide. This prestigious Institution offers various undergraduate, postgraduate and research programs in engineering.


The institution offers various Research programs in emerging areas in the disciplines like Civil Engineering, Mechanical Engineering, Electrical & Electronics Engineering, Electronics & Communication Engineering, Chemical Engineering, Computer Science & Engineering, Industrial Engineering & Management, Biotechnology, Chemistry, Physics and Mathematics.

The college has a post office, canteen, internet browsing centre, copier facilities and bank on its campus. MSRIT offers Wi-Fi internet connectivity at its browsing centre, with copier facilities nearby on campus.
Library and Information Centre


Library 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.

4.6.3. People's Education Society Institute of Technology, Bangalore.
People's Education Society Institute of Technology (PESIT) is a private co-educational engineering college located in Bangalore, Karnataka, India. It was established in 1988 and is affiliated to Visvesvaraya Technological University, Belgaum. It was granted academic autonomy in August 2007. PESIT is managed by the People's Education Society (PES), which was founded in 1972, in a rented gymnasium in Bangalore, with around 40 students. The PES currently manages over 45 educational programs in Karnataka and Andhra Pradesh, with a total of over 15000 students. PESIT was the first engineering college under the PES. Its vision and pursuit of excellence has been to make the students professionally superior and ethically strong global manpower. Every activity at PESIT is focused in addressing student needs. It facilitates academic excellence, leadership qualities, nurturing environment, and cutting edge infrastructure, everything students need to succeed. A unique educational system at PESIT will ensure that students gain not just depth and breadth in their chosen area of specialization, but a holistic set of skills that will equip them to face the real world. A team of dedicated and experienced faculty dedicated to research has been driving the institution towards excellence in R&D activities.

PESIT offers Bachelor of Engineering degree programs in following disciplines: Mechanical Engineering, Electronics and Communication Engineering, Telecommunication Engineering, Electrical and Electronics Engineering, Information Science and Engineering, Computer Science and Engineering and Bio-Technology.


It also offers Doctor of Philosophy (PhD) programs in Mechanical Engineering, Electronics and Communication Engineering, Telecommunication Engineering, Electrical and Electronics Engineering, Information Science and Engineering, Computer Science and Engineering, Bio Technology, Physics and Chemistry. It also offers MBA and MCA programs. All the engineering courses which have been conferred autonomous status have their departments set their own course content and grading system.
The institution has a hostel, a Bank and a hospital facility within the campus. The college has industry collaborations and Memorandums of Understanding with companies and universities. The college has tied up with universities in India, the United States, Germany, Japan, South Korea, France and Singapore. PESIT has collaborated with University of Sydney and University of Wollongong, Bangalore University, Bangalore, Mangalore University, Mangalore, Indian Institute of Technology and Indian Institute of Science, Bangalore. The college also has industrial interactions with companies like Yahoo, Google, DELL, HP, Infosys, WIPRO, BEL, BHEL, BEML, DRDO and ISRO.

The college provides facilities like training, placement and counseling centre, post office, ATM, canteen, copier facilities and a health centre within the campus.

**Library and Information Centre**

The mission of the Library is to provide continuous access to the Knowledge and Information in the Library to the students and faculty of the Institute for achieving excellence in their chosen disciplines. The libraries at PES occupy over 40,000 square feet and provide students with access to a vast repository of resources, including books and periodicals, reports, conference proceedings, standards, patents, theses, etc in print and electronic form. The libraries remain open until midnight on all days. During the examinations, they are open for 24 hours. The library is completely automated library management systems make it possible to borrow books at any time of the day or night, as well as make reservations online. Multiple copies ensure that resources are easily available for reference in the library. Trained staff is always at hand to assist students. In addition to these resources, faculty members dynamically upload all their lecture and research notes on the PES Intranet. These are available to the students with the simple keying in of a password.

The library authorities strive to make learning more creative, interactive and information driven by using sophisticated delivery techniques. At PES, 40 different computer laboratories across the campuses house over a thousand computers for use by students and staff. High-end, sophisticated computing facilities are available to meet project requirements and encourage research.
The 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.

4.6.4. Sri Siddhartha Institute of Technology, Tumkur.

Sri Siddhartha Institute of Technology is one of the premier institutions started in the year 1979 with Civil & Mechanical Engineering by Sri Siddhartha Education Society Tumkur. Since then, it has grown with time. At present, the institution runs nine under graduate courses in Bachelor of Engineering (BE), in addition it also offers six post graduation programs in Master of Technology (M.Tech) and Master of Computer Application (MCA). The Institute is one among the 14 premier Technical Institutions in Karnataka State, selected by the World Bank,
for the award of financial assistance, Technical Education Quality Improvement Program (TEQIP) to the tune of 10 crores.

The Government of Karnataka in the state granted Academic Autonomy to SSIT from the Year 2007-08. It became an autonomous institution under Visvesvaraya Technological University in 2007-08 with the last VTU batch graduating in 2010. Its undergraduate courses are Accredited by the National Board of Accreditation (NBA), an Autonomous body of the All India Council of Technical Education (AICTE), New Delhi.

The Under Graduate Courses offered at SSIT, Tumkur are Mechanical Engineering, Industrial Engineering & Management, Electrical & Electronics Engineering, Electronics & Communication Engineering, Telecommunication, Information Science & Engineering, Computer Science & Engineering, Telecommunications Engineering, and Medical Electronics.


The Department of Placement and Training, the Dept. of Library and the Dept. of Physical Education and the SIT Group of Hostels, offer other supporting services and facilities. The Institute is spread over 65 Acres with greenery all over, and has a sprawling play ground for indoor and outdoor games like, Football, Hockey, Cricket and Basketball. It has 8 Hostels that accommodate nearly 2000 students. The institute has good hospital facility, shopping complex, hotel, auditorium etc. The Birla Auditorium is a centrally located building that facilitates cultural, academic and other co-curricular activities. The auditorium of two floors has a seating capacity of
nearly 1000. It has a wide stage with green rooms and a board room to conduct official meetings of the institute.

**Library and Information Centre**

The library, centrally located in the campus, is housed in two independent three-storey buildings having a plinth area of 1500 square meters. 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.
4.6.5. Nitte Meenakshi Institute of Technology, Bangalore.

Nitte Meenakshi Institute of Technology (NMIT) is an Engineering College in Bangalore, Karnataka, India. The college is affiliated to the Visvesvaraya Technological University, Belgaum and approved by the AICTE, New Delhi. In 2007 the Visvesvaraya Technological University, Belgaum has granted academic autonomy to Nitte Meenakshi Institute of Technology, Bangalore. The campus is on a 23-acre (93,000 m²) campus in Govindapura, Bangalore.

NMIT offers a four-year graduate programme in engineering leading to the award of the degree Bachelor of Engineering (B.E.). The Bachelor of Engineering programmes offered are, Electronics and Communication Engineering, Computer Sciences and Engineering, Electronics and Electrical Engineering, Mechanical Engineering, Information Science and Engineering and Civil Engineering.

The college offers postgraduate programmes in M.Tech. in VLSI Design & Embedded Systems, Thermal Power Engineering, Computer Science & Engineering and other professional master degree programmes like Master of Business Administration (MBA) and Master of Computer Applications (MCA).

Research Programs(M.Sc Engineering / Ph.D) offered by NMIT are Electronics & Communication Engineering, Mechanical Engineering, Computer Science & Engineering, Mathematics, Chemistry, Management Studies. Interdisciplinary research areas like Centre for Small Satellite, Robotics and Artificial
Intelligence, Image processing and Computer Vision and Computational Fluid Dynamics.

NMIT has well equipped Laboratories. The Electronics lab of 10,000 ppm used as integration chamber of first Indian Pico-satellite StudSat, R&D centre in VLSI/Embedded Systems in Electrical, Physics, Chemistry Labs and Mechanical Workshop. Cypress Semiconductor Computer lab with 527 Pentium-IV Computers plus 10 Sun Micro Workstation, 450 computer systems connected through LAN, 60 printers and Internet Connectivity of 3Mbps through leased line. Nitte Meenakshi Institute of Technology (NMIT) of Bangalore have agreed to build a joint PSoC (programmable system-on-chip) laboratory in the department of Electronics and Communications Engineering (ECE) of NMIT.

Separate hostels for boys and girls are located within the campus. The junior boys' hostel Kumardhara accommodates more than 400 students and the senior boys' hostel Netravathi accommodates over 500 boys. The hostel Kaveri accommodates over 300 girls. NHA, a hostel association of NMIT, organizes sports and cultural events, encouraging the participation of hostilities. The college has Football, cricket, basketball and volleyball courts are available inside the campus. The Higginbotham's book store and health centre are located inside college campus.

**Library and Information Centre**

The college has a library and information centre comprising the Central Library along with Departmental libraries which collectively support teaching, research and extension activities of the Institute. Central Library has a comprehensive collection of Books, Journals, predominantly related to Engineering, Basic sciences, Management, Allied and General subjects to cater to users’ needs.

Library & 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. The Library is kept open from 8.30AM to 8.30 PM during working days and 10AM to 2PM on Sundays & Holidays. The Library area covers more than 1000 Sq. Mtrs and has a seating capacity for more than 250 readers/users at a time.

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 Coursewares 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.

4.6.6. Malanad College of Engineering, Hassan.
Malnad College of Engineering (MCE), Hassan, established in the year 1960-61, under the auspices of the Malnad Technical Education Society, Hassan, was the first college to be established in the Malnad region of Karnataka state and was affiliated to the university of Mysore, until 1997-98. The college established in the latter part of the Third Five Year Plan, as a joint venture of the Government of India, Government of Karnataka and Malnad Technical Education Society, Hassan, is now affiliated to the Visvesvaraya Technological University, Belgaum. In 2007 the college became autonomous. The college is a reputed institution in the country. The college has received The Best Engineering College award by the Indian Society for Technical Education (ISTE) during the year 2007.

The college has a Placement & Training Department to train and assist the students in securing jobs under Campus Recruitment program. Many reputed industries like Tata Consultancy Services, Infosys, Wipro, BFL Software, MICO, Ashok Leyland, BPL Telecom, L&T and IT Solutions and others, visit the campus regularly to recruit the students of the college. Recruitments to defense military units like Navy, Air force are carried out from time to time.

At present, the college conducts 9 Bachelor of Engineering programs and 5 Master of Technology Programs and the MCA program.

The Bachelor of Engineering programs offered are Automobile Engineering, Civil Engineering, Computer Science and Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering, Industrial and Production Engineering, Instrumentation Technology, Information Science and Engineering and Mechanical Engineering.


The college houses a boys’ Hostel in the campus to accommodate 750 students. A girls hostel located very close to the campus accommodates 220 students. The facilities on the campus include a branch of the Syndicate Bank, a post office, a
cooperative society, a canteen, auditorium, placement cell, hostel, library, gymnasium and swimming pool.

**Library and Information Centre**

The college 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 library has a separate building with more than 200 seating facility. 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.

**4.6.7. NMAM Institute of Technology, Nitte.**
NMAM Institute of Technology was established in 1986. The college is affiliated to the Visvesvaraya Technological University, Belgaum and is recognised by the All India Council for Technical Education, New Delhi. It is accredited by the National Board for Accreditation and is certified to the ISO 9001-2000 standards for quality education by KEMA, Netherlands. The institution has been granted Academic Autonomy under the Visvesvaraya Technological University from 2007-08.

The Institute offers graduate programs in 7 branches of Engineering – Electronics & Communication Engineering, Computer Science & Engineering, Civil Engineering, Electrical & Electronics Engineering, Information Science & Engineering, Bio-Technology and Mechanical Engineering. The college also offers postgraduate programs like, Master of Technology in Computer Science & Engineering, Digital Electronics & Communication, Energy Systems Engineering and Micro Electronics & Control Systems, Master of Computer Applications and Master of Business Administration. Besides these, students can also pursue their doctoral programs at the Institute in the following disciplines Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering, Mechanical Engineering, Mathematics, Physics, Biotechnology and Business Administration.

All the departments in the campus including the hostels are connected through high speed wireless connectivity. Course materials and student information are available online. NMAM Institute of Technology provides facilities like, Computer Laboratory and Internet facility with 16 Mbps leased line Internet connectivity from BSNL caters to the needs of the students. The computer lab is open from 8 am to 12 midnight. Students involved in e-commerce and web based projects are provided with facilities and support by the Institute. All the departments in the campus including the hostels are connected through high speed wireless connectivity. Course materials and student information are available online.

The health centre is kept open 24x7 hours. The Medicare scheme entitles students to free medical and dental treatment. The campus has a medical centre with a qualified physician and dentist. There is a commercial bank with a 24 hour ATM
facility, guest house, auditorium, post office, a public call office, telephone exchange and cafeteria within the campus.

**Library and Information Centre:**

The central library of the offers digitized services with CD-ROM stations. The library is equipped with digital library facilities with a subscription to large number of e-journals through INDEST-AICTE and AICTE-DELNET and offers online services. Students have access to the e-resources of the library anywhere on the campus over the campus wide network facility.

The 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 libraries remain open until midnight on all days. During the examinations, they are open 24 hours. The library is completely automated library management systems make it possible to borrow books at any time of the day or night, as well as make reservations online. Multiple copies ensure that resources are easily available for reference in the library. Trained staff is always at hand to assist students.

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.
4.6.8. P.E.S. College of Engineering, Mandya.

P.E.S. College of Engineering, Mandya is one of the pioneering Engineering Colleges in India. Presently it is affiliated to the Visvesvaraya Technological University and is recognized by the All India Council of Technical Education, New Delhi. Previously it was affiliated to the University of Mysore. It is an institution functioning under the grant-in-aid scheme of Government of Karnataka. The College was established in the year 1962 by People's Education Society currently known as People's Education Trust, with the help of philanthropic farmers of Mandya District. It is an autonomous institute from the year 2008 under Visvesvaraya Technological University, Belgaum and is recognized by AICTE. It offers undergraduate courses in Engineering and postgraduate courses in Engineering and other professional courses like MBA and MCA. The sole objective of the college was to promote Technical Education among the students of Rural Areas. The Society was founded by late Sri K.V. Shankaregowda, former Education Minister of Government of Karnataka. He was a person with a missionary zeal and long cherished ambition to promote and disseminate knowledge, serving generally the cause of Education.

The College campus is located in South Western part of Mandya City, along the Bangalore-Mysore Highway, on an elevated and sprawling plot of 62 acres of land. Mandya City is the district head Quarters and is 100 kms from Bangalore and 45 kms from Mysore. Mandya is well connected by a Highway and a broad gauge railway line. It is affiliated to VTU & recognized by the AICTE. In 1962 it started with Civil, Mechanical & Electrical Engineering branches. In 1971 the Electronics
and Communication branch was commenced. In 1980 Automobile Engineering and Industrial & Production Engineering followed. In 1983 Computer Science and Engineering, Environmental Engineering in 1987 and Information Science and Engineering in 2000 were added. The institute also offers P.G courses like M-Tech in Environmental Engineering, Computer Integrated Manufacturing, Mechanical Engineering, Computed Aided Design in structures and Computer science and engineering, Land and water management, Master in Business Administration and Master of Computer Application. There is a student’s placement cell, hostel, shopping complex, post office, guest house, auditorium, health centre within the college campus.

Library and Information Centre

The library is the heart of an academic institution. PES institution encourages all students and staff members to make best use of the library that has been carefully built up since the inception of the college.

PES College of Engineering central library has emerged as a centre of attraction with its modern library features, updated collections. It has crossed many milestones, & developmental stages, by its continuous resource enrichment, continuous infrastructural developments, and On-time implementation of new technologies since from its establishment in the year 1962. The institution has a good central library housed in administrative block and occupies total area of 10,265.11 sq ft. three sections in the library are lending, reference and book bank sections. More than 250 students can utilize in the library facilitates at a time. The library is fully automated and collection of the library is made available to users through OPAC.

The Library collection 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 the digital library. The digital library collections 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.
4.6.9. S. D. M. College of Engineering and Technology, Dharwad.

S. D. M. College of Engineering & Technology, Dharwad, Karnataka, managed by Sri. Dharmasthala Manjunatheshwara Educational Society, Ujire (D.K) under the leadership of Revered Dr. D. Veerendra Heggade, Dharmadhikari of Shrikshetra, Dharmasthala, as its President. The College which was established in December 1979 with only 3 Under Graduate Programs Civil Engineering, Mechanical Engineering and Electrical & Electronics Engineering has today 11 academic departments to its credit. The college has obtained accreditation by the National Board of Accreditation, New Delhi, for all its seven B.E Programs offered today. The institution which has grown in stature as one of the nationally acclaimed premier institutions for technical education in India, has also been running four Post Graduate Programs in M. Tech. Since four years, a QIP masters program in Computer Science and Engineering sponsored by VTU, Belgaum is also operated from the college. Very recently, the college has taken an attractive and inspiring ambience due to several college developmental work inclusive of modernization of its Main Administrative Block.

B.E Degree is offered by all the 7 Engineering Departments. A maximum annual intake of 120 is available with Electronics & Communication Engineering, Electrical & Electronics Engineering, Computer Science Engineering, Information Science and Engineering, Chemical Engineering, Mechanical Engineering and Civil Engineering Departments. Very competent and highly experienced members of faculty working in good numbers in each department discharge their duty with
commitment to teaching. To quench the thirst of expanding knowledge seekers SDMCET offers 4 Post Graduate programs (M.Tech.) in Digital Electronics, Engineering Analysis & Design, Computer Aided Design of Structures, Computer Science and Engineering. In recognition of good infrastructure & faculty VTU has also recognized the department of computer science & Engineering as an extension centre to run a part time M.Tech (PT-QIP) Course. This program is especially suitable to members of the teaching faculty, working in various colleges in and around VTU, Belgaum. SDMCET’s strives through all its departments to be exceptional, unique and innovative in offering education and training to student community. Each department is good in its infrastructure and is self-contained to a very large extent. The heads of these departments assume complete charge of the departments - teaching, management, development, research, industry interaction, etc and are ably supported by a team of Professors, Associate Professor, Assistant Professors/Lecturers and technical/administrative staff. The college provides facilities like students training and placement cell, post office, ATM, canteen, guest house, internet browsing centre, copier facilities, health centre etc. within the college premises.

Library and Information Centre

The Knowledge and Learning Resource Centre acts a Resource Centre for the college and renders information services to its users. The collection development policy of the centre envisages the Resource Management of the institute. The centre is buildings resources in areas of Sciences and Engineering as a core area, in different formats to tune with institutional needs. The totally automated library services are accessible on the Campus wide network. Their pages provide comprehensive information about library resources and services, links to electronic resources that they subscribe to for the benefit of staff and students, and many other links to freely available. The library role is to provide access to the information resources required by members of the college for research learning and teaching. Guidance and assistance is available from any member of Library staff. More Information about how library staff can help users make best use of library resources can be found in the using the Library section of library pages. Library hope users will find these pages useful and informative.
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 totally automated library services are accessible on the campus wide network (24x7) through library web pages. The web pages provides comprehensive information about library resources and services. The links to electronic resources that we subscribe are provided for the benefit of staff and students. 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.

4.6.10. B.V.B. College of Engineering and Technology, Hubli
The B. V. Bhoomaraddi College of Engineering and Technology (BVBCET) believes in kindling the spirit of this unique and creative discipline in every student who enters its portals. Preparing them for a world in which their contribution truly stands apart. The B. V. Bhoomaraddi College of Engineering and Technology established in 1947, BVBCET has achieved an enviable status due to a strong emphasis on academic and technical excellence. From a modest beginning when the college offered only an Undergraduate program in Civil Engineering, the college has indeed come a long way. Currently the college offers 12 UG and 8 PG programs affiliated Visvesvaraya Technological University, Belgaum and is recognised by AICTE, New Delhi and accredited by NBA. Current annual student intake for Undergraduate & Post Graduate programmes is in excess of 1200. The faculty consists of extremely qualified and dedicated academicians whose commitment to education and scholarly activities has resulted into college gaining Autonomous Status from the University and UGC. The college has adopted Outcome Based Education (OBE) framework to align the curriculum to the needs of the industry and the society. Innovative pedagogical practices in the teaching learning processes form the academic eco system of the institution. The dynamic involvement of faculty in research has led to the recognisation of 8 research centres by the University.

The college campus is spread over a 50 acres. The picturesque campus comprises of various buildings with striking architecture. A constant endeavour to keep abreast with technology has resulted in excellent state-of-the-art infrastructure that supplements every engineering discipline. To enable the students to evolve into dynamic professionals with broad range of soft skills, the college offers value addition courses to every student. Good industrial interface and the experienced alumni help the students to become industry ready. The college is a preferred destination for corporate curers for bright graduates. There is always a sense of vibrancy in the campus and it is perennially bustling with energy through a wide range of extra-curricular activities designed and run by student forums to support the academic experience.

BVB offers 12 under-graduate and 8 post graduate programmes in various disciplines. The 8 departments of the college are recognized as research centres to
pursue doctoral studies. The faculty consists of qualified and dedicated academicians whose commitment to students has resulted in a number of accolades worldwide.


The Postgraduate M.Tech and research programs in Computer Science & Engineering, Digital Electronics, Energy Systems Engineering, Production Management, Structural Engineering, VLSI Design & Testing and Other programs such as Master of Computer Applications and Master of Business Administration.

BVBCET has an excellent record in training and placement of students. The organization provides excellent training right from the second year of BE through various HR programmes like VIKAS. The Placement Cell of BVBCET has adequate infrastructure in par with required standards. This attracts many IT majors like TCS, Accenture, Subex, Toshiba, Juniper, Infosys, Robosoft, Robert Bosch And Sankalp Semiconductors and other global non-IT companies like Asian Motors, TATA, Jindal, Kirloskar and L & T.

To fulfil the needs of the students and members of faculty within the college campus there is a placement cell, hostel, shopping complex, guest house, students information centre, post office, health centre, Xerox, fax, canteen etc.

**Library and Information Centre**

The library has developed a comprehensive collection of documents useful for the faculty, the research community and the students of the college. Apart from conventional book resources, the library collection includes journals, reference, special collections, reports, standards, thesis dissertations, patents in both print and electronic form.

At present, the 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.

Basaveshwara Engineering College was started in 1963 at Bagalkot in Karnataka, India. The college is affiliated with VTU. The college offers bachelor degrees in Civil, Mechanical and Electrical Engineering affiliated to Karnataka University, Dharwad. It offers the degree programs in ten disciplines and five post graduate programs. The college is a Government aided institution affiliated to Visvesvaraya Technological University, Belgaum in Karnataka and approved by the All India Council for Technical Education, New Delhi. The college got its autonomy in the year 2007.

The campus is on an elevated stretch of land of over 100 hectares on the outskirts of the city, adjoining New Bagalkot town. The college has an administrative block, lecture hall complex, departmental buildings, library, hostels, staff quarters, and cafeteria. An auditorium and a conference hall with seating capacities of 350 and 100 respectively are on the campus. Human Resource in the college comprises of qualified and dedicated staff.

The B.E programs offered are Automobile Engineering, Bio Technology, Civil Engineering, Computer Science and Engineering, Information Science and Engineering, Instrumentation and Technology, Industrial Production and Engineering, Electronics and Communication Engineering, and Electrical and Electronics Engineering.


The departments of Mechanical Engineering, Civil Engineering, Electrical and Electronics Engineering, Computer Science Engineering and Electronics and Communication Engineering have been recognized by VTU as research centres and offer M.Sc (Engg.) by research and Ph.D Programme.
The Institute is one of the 14 Engineering Colleges under the Technical Education Quality Improvement Programme (TEQIP) a World Bank Project, administered by the Government of Karnataka in the state. The total campus is Wi-Fi enabled. The campus is equipped with a guest house, placement cell, hostel, shopping complex, post office, health centre, etc.

Library & Information Centre

Basaveshwara College of Engineering central library has emerged as the centre of attraction with its modern library features and updated collections. It has crossed many milestones, & developmental stages, by its continuous resource enrichment, continuous infrastructural developments, and On-time implementation of new technologies since its establishment. The institution has a good central library housed in administrative block and occupies total area of 1970 sq meter. More than 450 students can study in the library at a time. Library is fully automated and collection of the library is made available to users through OPAC. At present, it 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.
The National Institute of Engineering, Mysore, in the State of Karnataka, India, spread on an 11.85-acre state of the art campus is the State’s second oldest, Engineering College. It was established in 1946 and Mysore’s first Institute offers Undergraduate, Postgraduate and Diploma Courses in Engineering, Doctoral Programmes in Civil, Electrical, Computer Science, Mechanical and Industrial Production Engineering. It is a recognized Research Institution under Visvesvaraya Technological University, Belgaum. It has the distinction of having among its alumni personalities in high positions, academicians, successful researchers, industrialists, entrepreneurs and leaders of world renown with their contributions to the development and economic prosperity of our country. The years 1996 and 2006 marked the Silver and Golden Jubilee of the Institution. In commemoration of its Diamond Jubilee a world-class high-tech sports complex is the cynosure of all eyes in its campus nearby. In the course of continued march towards excellence the NIE was credited with an Autonomy in 2007.

Today the Institute is ranked among top 10 Private Institutes and 33rd among the Engineering Colleges in the country. Recently no less than 40 companies visited the Institute’s campus for recruitment and nearly the entire batch of students found favor with the companies. The NIE college has following departments offering Undergraduate, Postgraduate and Doctoral programs in Mechanical Engineering, Electrical & Electronics Engineering, Electronics & Communication Engineering,

The National Institute of Engineering, Mysore boasts of a state-of-the-art campus facility spread over 3 blocks – Golden Jubilee Block, Administrative Block and the Diamond Jubilee Sports Complex. With over 5 auditoriums, a wide sports play ground, emergency medical response centre, fully-equipped labs and in-house indoor sports facilities, NIE has a campus and infrastructure which is envied upon by everyone.

NIE has an excellent and fully functional ISO 9001:2008 certified Training and Placement Division. The T&P Division has adequate infrastructure comprising of group Discussion and Interview Rooms. The placement cell is equipped with Computers with internet facility. The placement cell maintains a database of all the registered students with all relevant details and information of companies visiting the campus. A large number of companies visit the campus every year and recruit eligible students from the campus. The number of students placed through campus recruitment activity is increasing every year. The institute has tie up with various national and international companies like, ABB Ltd., TVS Motor Co., Mercedes Benz, Bosch Ltd, BEL, JSW Steels Ltd, Kennametal India, L & T Group, LG Electronics, Mahindra 2 Wheelers, Nestle India ltd, TATA Group, Volvo India Ltd etc, Ericsson, National Instruments, Infosys, Wipro, IBM, Akamai, ITC InfoTech, Oracle, Cisco, HP, SAP Labs, Amazon, Google India, Samsung, Sony India, Yally Solutions and Microsoft.

**Library and Information centre**

Library and Information centre, NIE is one of the best Engineering College Libraries in the state. It started its function with a vision to serve the information needs of its users and it mainly holds books related to engineering and allied subjects. The National Institute of Engineering established its library in the year 1946 the 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 OPAC / Bibliographic service, Online Access to e-resources, E-VIDYA Digital Library service, Inter Library Loan / Document delivery service, Reprographic services, etc.
Sri Jayachamarajendra College of Engineering, conceived in 1963, is the dream child of Jagadguru Dr. Sri Shivarathri Rajendra Mahaswamigalavaru, the 23rd pontiff of Sri Suttur Mutt. It comes under the aegis of JSS Mahavidyapeetha, which is the primary institution of many such institutions. The college was officially inaugurated by the esteemed founder of Manipal Institutes, Dr. T.M.A.Pai, the then chairman of the academy of education, Manipal, Mysore State. The Institution serves as one of the major landmarks of the western part of Mysore, with its sprawling 117 acre campus and several outstanding buildings. As one of the leading institutes in India, SJCE has been recognized under the Technical Education Quality Improvement Programme(TEQIP), which is a world bank associated scheme and has been granted a generous and sumptuous Rs.20 crores.

Acknowledging the state of the art infrastructural facilities, faculties and expertise, that have been the hallmarks of the college, the Visvesvaraya Technological University has conferred the Autonomy to the college from the year 2007-08.

The institution also has the reputation of academic, excellence in professionally oriented programs, and equal proficiency in extra-curricular activities, that makes it a lucrative option for students from all over the country, especially those staying in the remote places eyeing at an engineering seat.

The Bachelor of Engineering programs offered at SJCE are Civil Engineering, Mechanical Engineering, Industrial and Production Engineering,


The institute also offers research programmes in Electrical and Electronic Engineering, Electronic and Communication Engineering, Telecommunication Engineering, Mathematics, Civil Engineering, Mechanical Engineering and Polymer Science and Technology.

The institute has tie ups with various national and international companies like, Infosys, Wipro, IBM, TVS Motor Co., Bosch Ltd, BEL, Kennametal India, L & T Group, LG Electronics, Mahindra Automobiles, TATA Group, Volvo India Ltd etc, Ericsson, ITC InfoTech, Oracle, Cisco, HP, SAP Labs, Amazon, Google India, Samsung, Apple, Microsoft, Accenture, etc.

The college campus provides placement cell, students counseling cell, hostel, guest house, play ground, medical shop, Xerox, ATM, bank, complex, SJCE-STEP, canteen etc.

**Library and Information Centre**

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 OPAC (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.
Poojya Doddappa Appa College of Engineering, Gulbarga is one of the Premier Institute of Karnataka State. Established in the year 1958. All the efforts of the founder President of HKE Society, Shri Mahadevappa Rampure's dream came true. He was a great visionary and a statesman of this region. Starting with only three traditional departments like Civil, Mechanical and Electrical and with an intake of 120, the college has grown phenomenally. The Under-Graduate course in Electronics and communications Engineering was started in the year 1967, the first to be started in the entire Karnataka State. Now the institute has 11 UG, 8 PG courses and 5 research centres. Institution has NBA Accreditation for all UG Courses. The vision the institute is to impart technical education par excellence and prepare leaders to serve the industries and society. The mission is to "Providing the world with a highly committed and quality conscious engineering workforce with special emphasis on their self-reliance and sustainability to meet the ever changing requirements of local and global industries".


Doctoral programs leading to Ph.D in Civil Engineering, Electronics and Communication Engineering, Mechanical Engineering, Industrial and Production Engineering and Electrical and Electronics Engineering.

The college provides other facilities like placement cell, hostel, book store, post office, canteen, internet browsing centre, Xerox, health centre, guest house within the campus.

**Library and Information Centre**

The library, centrally located in the campus, is housed in two storey buildings having a plinth area of 1300 square meters. The 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.

4.6.15. The Siddaganga Institute of Technology (SIT), Tumkur.

The Siddaganga Institute of Technology (SIT), Tumkur, is one among the 130 plus educational institutions run by the Sri Siddaganga Educational Society. It was established in the year 1963 starting with three Courses leading to Bachelor of Engineering in Civil, Mechanical and Electrical Engineering, and is now offering undergraduate degree courses in 12 disciplines. In addition it also runs post-graduates programmes in 7 disciplines, including MBA and MCA Courses. It has nearly 4500 students pursuing the above courses with a faculty strength of about 273. The Institute is Affiliated to Visvesvaraya Technological University, Belgaum and has granted permanent affiliation to Siddaganga Institute of Technology.

The Institute is one of the 14 Engineering Colleges under the Technical Education Quality Improvement Programme (TEQIP) a World Bank Project, administered by the Government of Karnataka in the state and is granted Academic Autonomy from the Year 2007-08. From the academic year 2007-08 the 1st
Semester is run under the autonomous status. Its undergraduate courses are Accredited by the National Board of Accreditation (NBA), an Autonomous body of the All India Council of Technical Education (AICTE), New Delhi.

The Institute is spread over 65 Acres with greenery all over, and has a sprawling play ground for indoor and outdoor games like, Football, Hockey, Cricket and Basketball. It has 8 Hostels that accommodate nearly 2000 students. The Institute has 17 Teaching departments, offering 12 Under-graduate and 7 Post-graduate programmes. The undergraduate program departments are Biotechnology, Civil Engineering, Chemical Engineering, Computer Science & Engineering, Electrical & Electronics Engineering, Electronics & Communication Engineering, Industrial Engineering & Management, Information Science & Engineering, Instrumentation & Electronics Engineering, Mechanical Engineering, Telecommunication Engineering and Architecture.

Post Graduate Programmes in Civil Engineering, Chemical Engineering, Computer Science & Engineering, Thermal Power Engineering, Signal Processing, Manufacturing Science Engineering, Transport Engineering and Management, Computer Network Engineering and other professional programs in Master of Business Administration and Master of Computer Applications. The Dept. of Placement and Training, the Dept. of Library and the Dept. of Physical Education and the SIT Group of Hostels, offer other supporting services and facilities.


The institute has tie up with various national and international organisations like, ISRO, DRDO, HAL, Infosys, Wipro, Microsoft, BHEL, BEML, TATA Motors, TCS, ITC InfoTech, Oracle, HP, AT & S Labs, Yahoo, Google, DELL, Sony, etc.
The college provides facilities like hostel, information cell, placement cell, post office, bank, canteen, Xerox, book store, health centre, guest house facilities within the campus.

**Library and Information Centre**

The library, centrally located in the campus, is housed in two independent Three storeyed buildings having a plinth area of 1500 Sq Mts. The library building was built by a donation received from Sri T.N. Kempahonnaiah, a philanthropist from Tumkur. The 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.

4.6.16. B. M. Sreenivasaiah College of Engineering, Bangalore.

The B. M. Sreenivasaiah College of Engineering, is one of the most reputed Engineering colleges in Bangalore, Karnataka, India. The college started in 1946, was one of the first private sector initiatives in technical education in India. Though a private engineering college, it is partially funded by the Government of Karnataka. It has the largest student population among Engineering colleges in Karnataka, drawing students from other states of India and abroad. Nearly 30,000 engineers around the world hail B. M. Sreenivasaiah College of Engineering as their Alma mater. One of the oldest engineering colleges in Karnataka, it recently celebrated its "Diamond
Jubilee" in 2006. It is also known for the annual inter-collegiate Techno-Cultural festival UTSAV, one of the prominent student-managed fests in the country. The whole campus is connected with high speed wireless network.


Research Programs are offered in the following disciplines like, Bio-Technology, Civil Engineering, Chemical Engineering, Electrical & Electronics Engineering, Electronics & Communication Engineering, Industrial Engineering & Management, Mathematics and Mechanical Engineering.

The college campus provides facilities like placement cell, students counseling cell, hostel, guest house, play ground, Xerox, ATM, bank, complex, canteen etc.

The institute has tie up with various national and international companies for better research and placement for their students like, Infosys, Wipro, AT & T, IBM, HP, TATA Motor Co., Microsoft, ISRO, NAL, HAL, BEL, Kennametal India, L & T Group, LG Electronics, Mahindra Automobiles, Honda, Sony, J. P. Groups, TVS, ITC InfoTech, Oracle, Yahoo Groups, Panasonic, Cannon, Acer, Intel etc.

Library & information centre

The mission of BMSCE Library is to seek, create, communicate and preserve knowledge and understanding and carryout the mission in a unified community
The library is aesthetically located in a central place near the main entrance of the college and is very prominently housed in a big and spacious building with a floor area of 2625.67 Sq. m. The library, in support of the educational and research mission of the college, is the local repository and the principal gateway to current information and the scholarly record. As such, it is simultaneously collection and connection for the current and future students and faculty of the college. It is an information hub of academic community and a centre of unbridled intellectual inquiry. A place where the past converges with the present and the road to the future is littered with every imaginable idea, tried ideas, and tested theory.

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.

4.7 Summary:

This chapter gives a brief introduction to Technical Education in Karnataka, India and a profile of autonomous Engineering Colleges in Karnataka. The AICTE approved VTU affiliated Autonomous Engineering Colleges under study with an emphasis on their library and Information Centre. All autonomous engineering colleges 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 with in 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 fulfil the information needs of the users.
References: