

Available online at <http://www.ijims.com>

ISSN - (Print): 2519 – 7908 ; ISSN - (Electronic): 2348 – 0343

IF:4.335; Index Copernicus (IC) Value: 60.59; UGC Recognized -UGC Journal No.: 47192. 1st July

Private Engineering College Libraries in West Bengal : An overview

Biswajit Das ^{1*} and Juran Krishna Sarkhel ²

1. Assistant Librarian, Neotia Institute of Technology, Management and Science
Diamond Harbour Road, India

2. Professor, DLIS, Kalyani University, India

*Corresponding Author: Biswajit Das

Abstract

We are focus on the Engineering Education in India, Engineering College Library, Private Engineering College Libraries of West Bengal. We are given a very brief description on each and every private engineering college.

Keywords : Engineering Education, Engineering College, Private Engineering College Libraries, West Bengal, India

Introduction

The unbelievable advancement of science and complexity of technology are making technical education more and more complex and interdisciplinary in nature. Technical education is a tailor-made learning-training system. It is specifically designed for the supply of trained manpower for industrial and economic development through the judicious application of science and technology.[7]

Engineering Education in India

Engineering education in India started during the British era and mainly focused on civil engineering.[1] The British rulers set up four engineering colleges in the four corners of India.[8] The first engineering college was established at Roorkee in 1847 for the training of civil engineering licentiates.[7] Another three engineering colleges were established simultaneously on the recommendations contained in 'Wood's Despatch', named, Poona Engineering College, Pune (1854), Bengal Engineering College, Shibpur (1856) and College of Engineering, Guindy, Madras (1858).[7][8]

At the time of independence, there were only 24 engineering degree colleges with a total intake capacity of 2570 students.[8] In the year 1945, N. R. Sarkar Committee was appointed to suggest options for advanced technical education in India. The Sarkar Committee recommended the establishment of higher technical institutes rather Indian Institutes of Technology (IIT). The first and original four IITs were established on recommendation of Sarkar Committee are IIT Kharagpur (1950), IIT Bombay (1958), IIT Kanpur (1959) and IIT Madras (1960). The All India Council for Technical Education (AICTE) was set up in 1945 to oversee all the technical education systems and institutes throughout the country.[1]

Engineering College Library

Education system is a great part of each and every country.[6] Since Independence, Technical Education System in India has grown into a fairly large-sized system. Education must make efforts for securing knowledge and mastering modern skills and methods. The concept of complete knowledge in the sense of storing all knowledge is no longer relevant today. Knowledge is more and more recognized as the main force behind economic growth and development in the context of global economy, joined with information and communication revolution.[3] In India, the development of higher education is closely associated with the steady growth and development of the library in the institution of higher learning. Basically, academic institutions are the backbone of any civilized society and libraries play a vital role in determining its quality. Libraries are the central support services of engineering colleges and help to achieve the goals and vision of respective engineering colleges. Unlike other academic libraries, the patron of an engineering college library includes students, faculty, and other support staff members. The college libraries have to be an instrument of self education for its clientele.[5]

Private Engineering College Libraries in West Bengal

The vision of Government of India regarding technical education is “To develop and nature a technical education system in the country which would produce skilled manpower of the highest quality, comparable to the very best in the World and in adequate numbers to meet the complex technological needs of the economy”. To meet the existing demand, a large number of private self financing institutes were established in the country during the last fifteen years.[5] The great demand for engineering and technical education has led to the growing of the large number of private engineering colleges[8] under an umbrella agency the All India Council for Technical Education (AICTE). The AICTE has set up to monitor and control engineering education and there is a mechanism for accreditation of these colleges, named National Board of Accreditation (NBA).[1]

The State of West Bengal has a very rich heritage of education and culture. The higher social values for intellectual inputs and creativity succeed in the state.[2] The West Bengal stands out prominently on the map of technical education in eastern India due to large number of institutions imparting technical education. The first degree engineering college was established in the year 1856 and which was Bengal Engineering College at Shibpur, Howrah. In 1906, a college of engineering at Jadavpur was started its journey under the support of National Council of Education, Bengal and under the Jadavpur University in future. This college was the second engineering college in West Bengal. The third one was college of Textile Technology, Serampore, Hoogly, established in the year 1908 and so on. The number of degree engineering colleges remained just 12 till 1994. During the period of 1995 to 2012, a number of private entrepreneurs came forward to establish new degree engineering colleges with necessary support from the Government of West Bengal. The government of West Bengal was set up a separate technical university in the year 2001, viz., West Bengal University of Technology (WBUT) for affiliating these entire private as well as some Government Colleges in the area of Engineering and other associated disciplines. Recently in 2015, the State Government has passed a bill of renaming the WBUT as Maulana Abul Kalam Azad University of Technology (MAKAUT).[5]

The engineering colleges in the state are divided into two categories – (a) Government Colleges and (b) Private / Self financing Colleges. The first two Private Engineering Colleges were established in 1996 – (i) Haldia Institute of Technology, Purba Medinipur and (ii) Institute of Engineering and Management, Kolkata – 91. Since 1996 to 2012, 70 (Seventy) Private Degree Engineering Colleges along with Libraries were established in the State. The growth of Degree Engineering College Libraries in West Bengal is shown in the following table:

	Number of Engineering College Libraries								
	1996	1998	2000	2002	2004	2006	2008	2010	2012
Private Colleges	02	07	16	26	35	39	51	68	70

Table 1 : Growth of Engineering College Libraries in West Bengal

Private Engineering College Libraries under WBUT of West Bengal (1996 - 2012)

There are 70 Private Degree Engineering Colleges in West Bengal under the preview of present study, which are affiliated to West Bengal University of Technology and approved by AICTE, New Delhi. The period coverage is up to 2012 since the inception (1996) of private engineering colleges in West Bengal as year of establishment. Each college has its own Library to serve their students, faculty and staff members. A list of colleges is arranged alphabetically name of the colleges and older one come first in the list.

Engineering Private College List of West Bengal

Sl. No.	Name of the College and Address	College Code	Year of Establishment
1.	ABACUS Institute of Engineering & Management Nutangram, Mogra, Hooghly – 712141 Phone : (03213) 222-660 Fax : (03213) 222-657	240 ENGG	2008
2.	Academy of Technology G. T. Road, P.O. AEDCO Nagar, Dist. Hooghly, Pin –712121 Phone : (033) 2684-0003/2888 Fax : (033) 2684-0003	169 ENGG	2003
3.	ADAMAS Institute of Technology Barasat Barrackpore Road, Under Khilkapur Gram Panchayet	239 ENGG	2008

	Phone : (033) 6458-8916 Fax : (033) 2524-1817		
4.	Aryabhata Institute of Engineering & Management Durgapur Panagarh Bazar, Durgapur – 713148 Phone : (0343) 2526415 / 2526416 Fax : (0343) 2526417	171 ENGG	2003
5.	Asansol Engineering College Sen Raleigh road, Kanyapur, Asansol – 713304 Ph. : (0341) 2253-057 / 2108 Fax : (0341) 2256-334 / 4248	108 ENGG	1998
6.	B. P. Poddar Institute of Management & Technology 137, VIP Road, Kolkata – 52 Phone : (033) 4061-9174 / 75 / 76 Fax : 2573-9401	115 ENGG	1999
7.	Bankura Unayani Institute of Engineering P.O. Bhagabandh, Pohabagan, P.S. & Dist Bankura Pin 722146 Phone : (03242) 255-955 Fax : (03242) 255-955	105 ENGG	1998
8.	Batanagar Institute of Engineering, Management and Science Batanagar, Kolkata – 700041	332 ENGG	2012
9.	Bengal College of Engineering & Technology Sahid Sukumar Banerjee Sarani, Durgapur–713212 Phone : (0343) 2532606 / 2533189 / 2533190 Fax : (0343) 2533-186 / 2533-142	125 ENGG	2001
10.	Bengal College of Engineering and Technology For Women Shilpo Kanan Road, Bidhan Nagar, Durgapur – 713212 Phone : (0343) 6512190 Fax : (0343) 2533186	260 ENGG	2009
11.	Bengal Institute of Technology Dhapa Manpur on Basanti Highway, Hadia, Kolkata – 700150 Phone : (033) 2345-8004 / 8005 Fax : (033) 2345-8077	121 ENGG	2000
12.	Bengal Institute of Technology and Management Sriniketan By Pass, Dist. Birbhum – 731236 Phone : (03463) 271-371 Fax : (03463) 271-354	163 ENGG	2003
13.	Birbhum Institute of Engineering & Technology Post-Suri, Dist. Birbhum – 731101. West Bengal Phone : (03462) 250-597 / 250-568 / 258-487 Fax : (03462) 258-415	118 ENGG	1999
14.	Budge Budge Institute of Technology Nischintapur, Budge Budge, Kolkata – 700 137 Phone : (033) 2482-0676 / 0670 Fax : (033) 2482-0641	276 INT	2009
15.	Calcutta Institute of Engineering & Management 24/1A Chandni Ghosh Road, Kolkata – 700040 Phone : (033) 2421-8998 / 9951 Fax : (033) 2421-8998	165 ENGG	2003
16.	Calcutta Institute of Technology P.O. Banitabla, P.S. Uluberia, Dist. Howrah – 711 316 Phone : 2709-4367 Fax : 2661 -0499	177 ENGG	2004
17.	Camellia Institute of Engineering Nadibhag, P.O. – Badu Road, Madhyamgram, Kolkata – 700129	280 ENGG	2011
18.	Camellia Institute of Engineering and Technology Bud Bud By-pass (North), Dist. Burdwan – 713403 Phone : (0332) 9007030149 Fax : (0332) 2377540	271 ENGG	2007
19.	Camellia Institute of Technology	230 ENGG	2007

	Digberia, P.S. Madhyamgram, Kolkata – 700 129 Phone : (033) 2526-0336 / 38 Fax : (033) 2526-0337		
20.	Camellia Institute of Technology & Management Halder P.O. Dighi Dist. Hooghly, West Bengal – 712 134 Phone : (0321) 3271-346 / 09007030180 Fax : (0321) 3271-339	257 ENGG	2009
21.	Camellia School of Engineering & Technology Nadibhag, P.O. Badu, Madhyamgram, Kolkata – 700129 Phone : (033) 2584-4536 Fax : (033) 2584-4537	238 ENGG	2008
22.	College of Engineering & Management KTPP Township, Kolaghat – 721171 Ph. : (03228) 250-600 / 249-443 / 44 Fax : (03228) 250-880	107 ENGG	1998
23.	Dr. B.C. Roy Engineering College Lokenath Bhawan, Ambagan, Durgapur – 713 213 Phone : (0343) 250-1353/4106 Fax : 2504-059/3424/3985	120 ENGG	2000
24.	Dr. Sudhir Chandra Sur Degree Engineering College and Sports Complex Campus, Mouza Kalidaha P.S. Dum W.B. Phone : (033) 2560-0898 Fax : (033) 2560-0149	255 ENGG	2009
25.	Dream Institute of Technology P.O. Nahazari, Vill. Samali, 24 PGS (S), Kolkata – 104 Phone : (033) 2498-0376 Fax : (033) 2398-0244	209 ENGG	2006
26.	Dumkal Institute of Engineering & Technology Mouza Ramna, Basantapur, Murshidabad – 742406 Phone : (03481) 230033 Fax : (03481) 231188	131 ENGG	2001
27.	Durgapur Institute of Advanced Technology & Management, Ambagan, Bhiringee, Durgapur – 713 213 Phone : (0343) 2520712/ 713 Fax : (0343) 2520881	125 ENGG	2002
28.	Future Institute of Engineering and Management Sonarpur Station Road, Kamalgazi, 24 PGS (S) Phone : (033) 2434-5640 / 5641 Fax : (033) 2434-5641	148 ENGG	2002
29.	Gargi Memorial Institute of Technology Campus - Balarampur (Mouza – Berelia), P.S. – Barupur, Kolkata – 700 144. Phone : (033) 2440-1082 / 81 Fax : (033) 2460-5166	281 ENGG	2011
30.	Global Institute of Management and Technology Krishnagar, Paul Para, NH – 34, Krishanagar – 741101 Phone : (03472) 271-211 Fax : (03472) 271-311	259 ENGG	2009
31.	Greater Kolkata College of Engineering & Management Dudhnai, Ramnagar II, 24 PRGS (S), Pin – 743302 Phone : (033) 2433-7568 Fax : (033) 2433-7568	236 ENGG	2008
32.	Gururanak Institute of Technology 157/F Nilganj Road, Kolkata – 700 058 Phone : (033) 2523-3900 / 2563-7957 Fax : (033) 2563-7957	143 ENGG	2003
33.	Haldia Institute of Technology P.O. Hatiberia, Haldia, Pin 721657 Phone : (03224) 252900 / 253061 / 2555615-617 Fax : (03224) 252800 / 253062	103 ENGG	1996
34.	Heritage Institute of Technology Chowbaga Road, Anandapur, Kolkata – 700107	126 ENGG	2001

	Phone : (033) 2443-0454/56/57 Fax : (033) 2443-0455 / 1794		
35.	Hooghly Engineering & Technology College Vivekananda Road, Pipulpati, P.O. & Dist. Hooghly – 712 103 Phone : (033) 2681-0505 / 2680-4121 Fax : (033) 2680-3026	176 ENGG	2004
36.	Ideal Institute of Engineering Kalyani Shilpanchal, P.O.+ P.S. Kalyani, Nadia – 741235, W.B. Phone : (033) 2502-5629 / 2502-5528 Fax : (033) 2502-5630	279 ENGG	2010
37.	IERCCEM Institute of Information Technology Banipur College Road, P.O. Banipur, 24 PGS (N) – 743 233 Phone : (03216) 231547 Fax : (03216) 231547	244 ENGG	2008
38.	IMPS College of Engineering & Technology Nityanandapur, Malda – 732 101 Phone : (03512) 271555 Fax :	170 ENGG	2003
39.	Institute of Engineering & Management Y-12, Salt Lake City, Kolkata – 700 091 Ph. : (033) 2357-2969 / 7649 /8908 Fax : (033) 2357-8302	104 ENGG	1996
40.	Institute of Science & Technology Dhurabila Dhamkuria, Paschim Medinipur – 721201 Phone : (03225) 26-7288 / 6644 Fax : (03225) 26-6644	182 ENGG	2005
41.	Institute of Technology and Marine Engineering Vill. Jingha, P.O. Amira, Dist. 24 PGS(S) Phone : (03174) 245-078/101 Fax : (03174) 245-108	144 ENGG	2002
42.	JIS College of Engineering Block-A, Phase-III, Kalyani, Nadia – 741235 Phone : (033) 2582-2137/2138 Fax : (033) 2582-2138	123 ENGG	2000
43.	Kanad Institute of Engineering & Management Mankar, P.O. Mankar, Dist. Burdwan Phone : (0343) 2525-622 Fax :	252 ENGG	2008
44.	Kanksa Academy of Technology & Management (Renamed as Techno India - Durgapur) behind B.D.O. Office, P.O. -Panagarh Bazar, Burdwan- 713148 Phone : (0343) 2524-038 Fax : (0343) 524-039	254 ENGG	2009
45.	Mallabhum Institute of Technology Braja Radha Nagar (Gopalpur), P.O. Gosainpur, Dist. Bankura Phone : (03244) 255207 Fax : (03244) 255206	158 ENGG	2002
46.	MCKV Institute of Engineering 243 G.T. Road (N), Lillooah, Howrah – 711 204 Phone : (033) 2654-9315/17 Fax :	116 ENGG	1999
47.	Meghnad Saha Institute of Technology Behind Rubi Hospital, Uchhapota, Kolkata – 700 150 Phone : (033) 2443-1754 / 1032 Fax : (033) 2443-1754 / 1032	142 ENGG	2001
48.	Modern Institute of Engineering & Technology Barol Malimpore, Rajhat, Hooghly – 712 123 Phone : (033) 2684-4316 / 17 Fax : (033) 2684-4618	269 ENGG	2010
49.	Murshidabad College of Engineering & Technology Cossimbazar Raj, Banjetia, Berhampore– 742102, Murshidabad	106 ENGG	1998

	Ph : (03482) 258-145 Fax : (03482) 277-267		
50.	Narula Institute of Technology 81 Nilgunj Road, Agarpara, Kolkata – 700 109 Phone : (033) 2563-8888 / 7777 Fax : (033) 2583-7029	127 ENGG	2001
51.	National Power Training Institute (ER) Michael Faradey St. City Center, Durgapur – 713216	157 ENGG	2007
52.	Netaji Subhash Engineering College Techno City, P.O. Panchpotha, Garia – 743516 Phone : (033) 2436-1285 / 3333 Fax : (033) 2436-1286	109 ENGG	1998
53.	NSHM Knowledge Campus, Durgapur – Group of Institutions, Arrah, Shibatala, Durgapur – 713 212 Phone :	273 INT	2010
54.	Omdayal Group of Institutions Uluberia Industrial Growth Centre, Howrah – 711 316 Phone : (033) 2661-3179 / 9007067951 Fax : (033) 2661-3366 / 2227-5967	275 INT	2010
55.	Pailan College of Management & Technology Pailan Park, Housing Project, Phase – I, Pailan Phone : (033) 2453-5605 9836911117 Fax : (033) 2497-8238	156 ENGG	2008
56.	RCC Institute of Information Technology Canal South Road, Beliaghata, Kolkata – 15 Phone : (033) 2323-2463 Fax : (033) 2323-4668	117 ENGG	1999
57.	Regent Education & Research Foundation Group of Institutions, Bara Kanthalla, PO : Sewll Tellni Para, Kol – 121 Phone : (033) 2535-3051 Fax : (033) 2535-3052	263 INT	2009
58.	Sabita Devi Education Trust – Brainware Group of Institutions, 398 Ramkrishnapur Road, Barasat – 700 124 Phone : (033) 2584-7272 / 7273 Fax : (033) 2584-7273	270 INT	2010
59.	Sanaka Educational Trusts Group of Institutions Institute of Engineering & Industrial Technology, P.O. Malandighi, Durgapur – 713212 Phone : (0343) 2700-083 Fax : (0343) 2700-082	278 INT	2008
60.	Saroj Mohan Institute of Technology Vill. Gupti Para, Bandha Gachi, Dist. Hooghly– 712 512 Phone : (03213) 224041 Fax : (03213) 224137	168 ENGG	2003
61.	Seacom Engineering College JL No. 2, Jaladhulagori, Sankrail, Howrah Phone : (033) 2679-0481 / 82 / 83 Fax : (033) 2679-2480	206 ENGG	2006
62.	Siliguri Institute of Technology P.O. Sukhna Siliguri 734225 Dist Darjeeling. West Bengal Phone : (03532) 778-002 / 2226-4396 / 9785 Fax : (03532) 778-003 / 2226-2814	119 ENGG	1999
63.	St. Mary's Technical Campus Kolkata Saibana Village, Opp : West Bengal State University, Ichapur Nilgunge Gram Panchayat, Barasat, North 24 Parganas District, Kolkata – 700 126. Phone : , Tarun Ghosh-9836487460 , 8420247084- Ranjoy Sanbui Principal - Dr. R. Srimibason- 8420247085 / 8143555999 Fax : (033) 270-77007	286 ENGG	2011
64.	St. Thomas' College of Engineering & Technology 4, Diamond Harbour Road, Kolkata – 700023	122 ENGG	2000

	Phone : (033) 2448-1081 / 1082 Fax : (033) 2448-2914		
65.	Supreme Knowledge Foundation Group of Institutions 1, Khan Road, P.O.: Mankundu, Dist: Hooghly – 712 139 Phone : Fax :	253 INT	2009
66.	Surendra Institute of Engineering & Management P.O. New Chamta, Siliguri, Darjeeling – 734009 Phone : (0353) 2574-686 / 2574-687 Fax : (0353) 2574-689	261 ENGG	2009
67.	Swami Vivekananda Institute of Science & Technology Dakshin Gopidpur, PS – Sonarpur, Kolkata Phone : (033) 2437-9913 Fax : (033) 2437-9913	241 ENGG	2008
68.	Techno Global – Balurghat (Renamed as Techno India - Balurghat) Mangalpur, Balurghat, PO : Beltala, South Dinajpur Phone : (03522) 271101 Fax : (03213) 271101	258 ENGG	2009
69.	Techno India EM-4/1, Salt Lake, Sector – V, Kolkata – 700091 Phone : (033) 2357-5683 / 84 Fax : (033) 2357-5686	130 ENGG	2001
70.	Techno India College of Technology Megha City New Town, Kolkata – 71 Phone : 2324-2050 Fax : 2324-2090	187 ENGG	2005

Conclusion

From the above discussion we are focus on the Engineering Education in India, Engineering College Library and Private Engineering College Libraries in West Bengal. A very brief description on each and every private engineering college, Location of each college, address, phone number, website and available details of the library are hereby provided under the head of every college.

References

1. Banerjee, R. and Muley, V. P. (2007). Engineering Education in India. IIT Bombay. Retrieved January 02, 2016, from www.ese.iitb.ac.in/~rb/research/EnEdn.pdf
2. Government of West Bengal, Dept. of Higher Education. (2012-2013). Annual Report. Kolkata: Dept. of Higher Education, Govt. of West Bengal. Retrieved February 04, 2015, from <http://highereducationwb.in/documents/annualreport/annualreport2012.pdf>
3. Kohli, D. (2012). Technical Education System in India. Retrieved February 18, 2015, from http://www.shodhganga.inflibnet.ac.in:8080/jspn1/bitstream/.../07_chapter%201.pdf
4. Maharana, B. and Panda, K. (2005). Virtual Reference Service in Academic Libraries of IIMs and IITs in India. Retrieved February 19, 2015, from http://www.eprints.rclis.org/9314/1/virtual_reference_service.pdf
5. Maulana Abul Kalam Azad University of Technology, West Bengal. (n.d.). An introduction. Retrieved February 21, 2015, from <http://www.wbut.ac.in/page.php?id=196>
6. Sanyal, M. K. and Pramanik, A. (2012). Assessment of Influencing factors in West Bengal Engineering Colleges by Analytical Hierarchy Process and Evaluations of proposed alternatives. *International Journal of Research in Management and Technology*, 2(2), 205-212.
7. Sen, Biman. (1989). Development of Technical Education in India and state policy: a historical perspective. *Indian Journal of History of Science*, 24(4), 224-248.
8. Subharao, E. (2013). India's higher engineering education: opportunities and tough choices. *Current Science*, 104(1), 55-66