AICTE: MANDATORY DISCLOSURE

Name of the Institution	**Heritage Institute of Technology**
Address:	994, Madurdaha, Chowbaga Road, Anandapur P.O.- East Kolkata Township, Kolkata – 700107
Contact No.	033-6627 0600 / 0609 / 0614 / 0622 / 0623
E-Mail	admin@heritageit.edu
Website	www.heritageit.edu
Name & address of the Trust	**Kalyan Bharti Trust**
Address:	994, Madurdaha, Chowbaga Road, Anandapur P.O.- East Kolkata Township, Kolkata – 700107
Contact No.	033-6627 0600 / 0609 / 0622 / 0623
E-Mail	kalyanbhartitrust@gmail.com
Website	www.heritageit.edu
Name & address of the Principal	**Prof. (Dr.) Basab Chaudhuri**
Address:	994, Madurdaha, Chowbaga Road, Anandapur P.O.- East Kolkata Township, Kolkata – 700107
Contact No.	033-6627 0611
E-Mail	principal@heritageit.edu
Name of the Affiliating University	**Maulana Abul Kalam Azad University of Technology, West Bengal** (Formerly West Bengal University of Technology)
Address	**Main Campus:** NH 12, Haringhata, Post Office – Simhat, Police Station – Haringhata, Pin - 741249 **City Campus:** BF-142, Salt Lake City, Kolkata – 700 064
Website	www.makautwb.ac.in
Governance	
Officers of the Institute	
Principal	Prof. (Dr.) Basab Chaudhuri
Dean (UG)	Prof. (Dr.) Subhashis Majumder
Director Research & Development	Prof. (Dr.) Pinaki Bhattacharya
Controller of Examination	Prof. (Dr.) N.P.Nayak
Registrar	Dr. Sujit Kumar Barua
Joint Registrar	Mr. Arvind Srivastava

Joint Registrar (Academic)	Prof.(Dr.) Sandip Chatterjee
Members of the Board & brief background	
	A. <u>Board of Governors</u> *Chairman* : Nominated by the Kalyan Bharti Trust **Shri Prahlad Rai Agarwala**, Chairman, Rupa & Co. Ltd. *Members* *(i) 4 (four) members, other than Chairman, nominated by the Kalyan Bharti Trust, including 1 (one) Vice Chairman* *Vice-Chairman* : **Shri Vikram Swarup**, Managing Director, Paharpur Cooling Towers Ltd. Other than Vice-Chairman **Shri Sanjay Agarwal** Managing Director, Century Plyboards (I) Ltd. **Shri Hari Prasad Budhia** Chairman, Patton International Ltd. **Shri Narain Prasad Dalmia** Director, Dalmia Securities Pvt. Ltd. *(ii) 1 (one) Educationist / Industrialist to be nominated by the Kalyan Bharti Trust* **Shri Siddhartha Swarup** Director, Paharpur Cooling Towers Ltd. *(iii) Nominee of the UGC* **Prof. (Dr.) C. Vishnuvardhan Reddy** Professor, Department of Physics, College of Science, Osmania University, Hyderbad *(iv) Nominee of the Govt. of West Bengal* **Smt. Chandani Tudu** Special Secretary, Department of Higher Education, Govt. of West Bengal

	(v) Nominee of Affiliating University **Prof. (Dr.) Somdatta Chakravortty** Associate Professor, Department of Information Technology Maulana Abul Kalam Azad University of Technology, W.B. *(vi) 2 (two) members of faculty to be nominated by the Principal based on seniority* **Prof.(Dr.) Dinabandhu Bhandari** Professor, Department of Computer Science and Engineering, HIT-K **Prof. (Dr.) Mousiki Kar** Associate Professor, Department of Electronics and Communication Engineering, HIT-K *(vii) Principal of the Institute (Ex-Officio Member Secretary)* **Prof. (Dr.) Basab Chaudhuri** Principal, Heritage Institute of Technology *Frequency of the Board of Governors meeting : 4 (Four) meetings in an Academic year* **B. <u>Academic Council</u>** Chairman : Principal of the Institute **Prof. (Dr.) Basab Chaudhuri** Principal, Heritage Institute of Technology Members : *(i) Deans of the Faculty* **Prof. (Dr.) Subhashis Majumder** Dean, Under Graduate & HOD, Department of Computer Science & Engineering **Prof. (Dr.) Pinaki Bhattacharya** Emeritus Professor & Head Research, Department of Chemical Engineering *(ii) Head of all Academic Departments* **Prof. (Dr.) Madhurima Chattopadhyay** HOD, Department of Applied Electronics and Instrumentation Engineering

	Prof. (Dr.) Srabanti Basu HOD, Department of Biotechnology **Prof. (Dr.) Sulagna Chaterjee** HOD, Department of Chemical Engineering **Prof. (Dr.) Tapas Sadhu** HOD, Department of Civil Engineering **Prof.(Dr.) Subhashis Majumder** HOD, Department of Computer Science and Engineering **Prof. (Dr.) Saibal Dutta** HOD, Department of Electrical Engineering **Prof.(Dr.) Prabir Banerjee** HOD, Department of Electronics and Communication Engineering **Prof.(Dr.) Siuli Roy** HOD, Department of Information Technology **Prof. (Dr.) Sukanta Sarkar** HOD, Department of Mechanical Engineering **Prof.(Dr.) Jayati Datta** HOD, Department of Chemistry & Environment **Prof. (Dr.) Suparna Chakraborti** HOD, Department of Humanities **Prof. (Dr.) Sandip Chatterjee** HOD, Department of Mathematics, Joint Registrar (Academic) & Associate Dean (Student Affairs) **Prof. (Dr.) Nirmalya Prasun Nayak** HOD, Department of Physics & Controller of Examinations **Prof. (Dr.) Siuli Roy** HOD, Department of Computer Science and Business Systems Prof. (Dr.) Subhashis Majumder HOD (Additional Responsibility), Department of Computer Science and Engineering (Artificial Intelligence and Machine Learning) **Prof. (Dr.) Subhashis Majumder** HOD (Additional Responsibility), Computer Science and Engineering (Data Science)

	(iii) 4 (four) teachers of the Institute representing different categories of teaching staff **Prof. (Dr.) Santanu Ghorai** Professor, Department of Applied Electronics and Instrumentation Engineering **Prof. Krishanu Datta** Associate Professor Department of Electronics and Communication Engineering **Prof. (Dr.) Arup Jyoti Bhowal** Associate Professor Department of Mechanical Engineering **Prof. (Dr.) Atanu Kundu** Assistant Professor, Department of Electronics and Communication Engineering & Deputy Controller of Examinations *(iv) Not less than 4 (four) experts from outside the Institute to be nominated by the BOG* **Prof. (Dr.) Chandan Mazumdar,** Professor, Dept. of CSE, JU **Prof. (Dr.) Chandan Guha,** Retired Professor, Dept. of ChE, JU **Prof. (Dr.) K. K. Chaudhuri,** Director - HBS **Mr. Ivan Saha,** Business Unit Head – Manufacturing & CTO, Vikram Solar *3 (three) nominees of the Affiliating University* **Prof. (Dr.) Keshab Bhattacharya,** Professor, Dept. of Electrical Engineering, Jadavpur University **Prof. (Dr.) Utpal Roy,** Professor, Dept. of Information Technology, Viswa Bharathi **Prof. (Dr.) Subhashis Datta**, Controller of Examinations, MAKAUT, WB. *(vi) Member Secretary : A faculty member nominated by the Principal* **Prof. (Dr.) Dinabandhu Bhandari** Professor, Department of Computer Science and Engineering *Frequency of the Academic Council meeting : 4 (Four) meetings in an Academic year*

C. Controller of Examinations:

Prof. (Dr.) Nirmalya Prasun Nayak

D. Board of Studies:

Each Academic Department has its Board of Studies

Chairman : Head of the concerned Department

Members

(i) All regular members of faculty of the department
(ii) Two experts in the subject from outside the Institute to be nominated by the Academic Council
(iii) One expert to be nominated by the Vice Chancellor of the Affiliating University
(iv) One representative from industry / corporate sector / allied area relating to placement
(v) One meritorious alumnus to be nominated by the Principal

Frequency of the Board of Studies meeting : 4 (Four) meetings in an Academic year

D. Finance Committee:

Chairman : Principal of the Institute

Members :

(i) A person nominated by the Board of Governors

Mr. Manoj Saraogi
Chief Finance Officer
Heritage Institute of Technology

(ii) Finance Officer of the Affiliating University

Dr. Atri Bhowmik
Finance Officer
Maulana Abul Kalam Azad University of Technology, W.B

(iii) A senior teacher of the Institute to be nominated in rotation by the Principal

Prof. (Dr.) Nirmalya Prasun Nayak
HOD, Department of Physics & COE

Frequency of the Finance Committee meeting : 2 (two) meetings in an Financial year

Members of Academic Advisory Board	http://www.heritageit.edu/AdvisoryCouncil.aspx
Organizational chart and process	Organizational Chart is available at: http://www.heritageit.edu/PDF/OrganizationalChart.pdf
Nature and Extent of Involvement of Faculty and Students in Academic Affairs / Improvements	Heritage Institute of Technology (HIT) believes in the involvement of faculty and students fundamentally as Teacher and Taught. Each member of faculty has been advised to observe the intellectual ability of the students in the class and accordingly tailor made teaching methodology so that each and every student can get the benefit of learning. The Institute encourages members of faculty to innovate unique teaching learning methodologies based on their experience not only for the theoretical subjects but for sessional classes including projects and design also. In this continuing process in each step students are also involved either by their direct participation or giving their feedback on the evolved process. This exercise involving combined effort of teachers and taught has brought a great success in the existing teaching learning process at HIT. As a part of curricula or even beyond that, at HIT each individual teacher is assigned a group of students to carry out project work which has sometimes paved the way of a new avenue in the field of research and development. Remarkably some of these innovative works have received wide acknowledgement from both academicians and industry experts. Beyond classroom involvement at HIT equal emphasis is given to foster roles for teachers as alias to students actively nurturing teacher student partnership and transforming education as a practice and as a system. The very first day when students stepping at the Institute each individual is attached to a teacher as its Mentor throughout his tenure at the Institute. He can approach his mentor even after normal office hours for any difficulty and can seek advice from his mentor. Teachers are also actively involved in different Clubs as Faculty Coordinators meant for students for their extracurricular activities. In this way the role for teacher in meaningful student involvement makes them facilitator and students as ally.
Mechanism / Norms & Procedures for Democratic / Good Governance	The Institute has strategically planned the following development methods for good governance in the Administration and environment at HIT. (a) Each department has its own Departmental Academic Committee. The Committee organize 3/4 meetings in

	every semester as and when situation demands. (b) Meeting of Principal, HODs and DCs at regular interval. (c) Nomination of Students' Mentors. Each faculty has been assigned specific number of students for mutual interaction and to monitor academic progress of the students. (d) Direct access of members of faculty and students to the Principal, HODs, Registrar, Joint Registrar and other Administrative Heads. No timings have been laid down. However, problems are attended to with due urgency.
Student Feedback on Institutional Governance / Faculty performance	Feedback collected for all courses : YES Specify the feedback collection process : Online Feedback of all courses is taken centrally by the HR department Student feedback is analyzed and the results are shared with the concerned member of faculty so that the faculty members can take the necessary corrective action to improve the quality of the lecture delivered in the class.
Grievance Redressal mechanism for faculty, staff and students	(a) Grievance of members of faculty and staff are being addressed through HODs, Dean, Principal. The Institute has a Grievance Redressal Cell comprising with senior members of faculty and staff. The stakeholders may report their grievances to any of the authority of the Institute. Such complaints are then forwarded to the Chairman of the Committee and necessary proceedings are made. (b) Grievance of students are addressed through concerned Departmental Coordinators, HODs, Dean, Principal on any academic matters. For any other matter where students so desire, Students' Counsellor of the Institute may be approached. Students have also access directly to the Principal.
Establishment of Anti Ragging Committee	https://www.heritageit.edu/PDF/StatutoryCommitteesHIT2021-2022.pdf
Establishment of Online Grievance Redressal Mechanism	http://www.heritageit.edu/grievancecell.aspx
Establishment of Grievance Redressal Committee in the Institution and Appointment of OMBUDSMAN by the University	https://www.heritageit.edu/PDF/Non-StatutoryCommittees2021-2022.pdf Appointment of OMBUDSMAN by the University is awaited.
Establishment of Internal Complaint Committee	https://www.heritageit.edu/PDF/StatutoryCommitteesHIT2021-2022.pdf

Establishment of Committee for SC / ST	https://www.heritageit.edu/PDF/StatutoryCommitteesHIT2021-2022.pdf
Internal Quality Assurance Cell	http://www.heritageit.edu/AQARAndIQAC.aspx
Programmes	
Name of Programmes approved by AICTE	**a) Bachelor of Technology (B.Tech) in** i) Applied Electronics and Instrumentation Engineering (AEIE) ii) Biotechnology (BT) iii) Chemical Engineering (ChE) iv) Civil Engineering (CE) v) Computer Science and Engineering (CSE) vi) Electrical Engineering (EE) vii) Electronics and Communication Engineering (ECE) viii) Information Technology (IT) ix) Mechanical Engineering (ME) x) Computer Science and Business System (CSBS) xi) Computer Science and Engineering (Artificial Intelligence and Machine Learning) xii) Computer Science and Engineering (Data Science) **b) Master of Technology (M.Tech) in** i) Applied Electronics and Instrumentation Engineering (AEIE) ii) Biotechnology (BT) iii) Computer Science and Engineering (CSE) iv) Electronics and Communication Engineering (ECE) v) VLSI vi) Renewable Energy (RE)
	c) Master of Computer Applications (MCA)
Name of Programmes Accredited by NBA	**The following UG programmes are NBA accredited:** i) Applied Electronics and Instrumentation Engineering (AEIE) ii) Biotechnology (BT) iii) Chemical Engineering (ChE) iv) Electronics and Communication Engineering (ECE)

Details of each programme	
(a) UG Programme (B.Tech.)	**Programme** — **No. of Seats** — **Duration** AEIE — 60 — 4 Years BT — 60 — 4 Years ChE — 60 — 4 Years CE — 60 — 4 Years CSE — 180 — 4 Years EE — 60 — 4 Years ECE — 180 — 4 Years IT — 60 — 4 Years ME — 60 — 4 Years CSBS — 60 — 4 Years CSE (AI & ML) — 60 — 4 Years CSE (DS) — 60 — 4 Years
Eligibility & Admission Procedure in B.Tech. :	• H.S. (10+2) examination of the Council of Higher Secondary Education, West Bengal or equivalent • Qualified in Joint Entrance Examination conducted by West Bengal Joint Entrance Examinations Board (WBJEEB) / JEE (Main) conducted by Central Board of Secondary Education and recommended by the WBJEE Board
(b) PG Programme (M.Tech.) **MCA**	**Programme** — **No. of Seats** — **Duration** AEIE — 18 — 2 Years BT — 18 — 2 Years CSE — 36 — 2 Years ECE — 18 — 2 Years VLSI — 18 — 2 Years RE — 18 — 2 Years CA — 60 — 2 Years
Eligibility & Admission Procedure for M.Tech. : **Eligibility & Admission Procedure for MCA :**	• AICTE recognized Bachelor's Degree in Engineering / Technology or equivalent • Admissions are made from candidates qualified in PGET (Post Graduate Entrance Examination) conducted by the affiliating University (MAKAUT,WB) followed by centralized counseling process of MAKAUT, WB • Admissions are made from candidates who have passed Bachelor's Degree in any discipline under (10+2+3) system with Mathematics as one of the compulsory subjects at Degree level and having at least 50% marks on an average in the graduation level. Such candidates will have to be qualified in the Joint Entrance Examination (JECA) conducted and recommended by the West Bengal Joint Entrance Examinations Board (WBJEEB).

Cut-off mark / Ranking for Admission in B.Tech last three years (WBJEE & JEE MAINS)						
Stream	**2019-2020**		**2020-2021**		**2021-2022**	
	First Rank	Last Rank	First Rank	Last Rank	First Rank	Last Rank
CSE	349 (3117) SC-6740 TFW 1095	2877 (28443) ST-8229 TFW 3214	149 (7936) SC-5491 TFW 1861	4840 (44871) ST-20446 TFW 3818	487 (30315) SC-2558 TFW 899	3214 (55716) ST-14362 TFW 2651
ECE	1699 (28710) SC-8814 TFW 3258	4960 (48974) ST-29889 TFW 4618	704 (47009) SC-13254 TFW 4105	12073 (71838) ST-37008 TFW 5706	761 (17368) SC-6387 TFW 2655	7752 (99882) ST-19023 TFW 4794
AEIE	4427 (50275) SC-12505 TFW 5404	8330 (67957) ST-75981 TFW 7323	958 (82045) SC-26820 TFW 7679	26790 (93419) SC-31434 TFW 21562	4752 (145141) SC- 8986 TFW 5957	13759 (678814) ST----- TFW 9366
IT	2900 (35593) SC-6894 TFW 3467	3642 (39391) ST-39605 TFW 3532	2753 (45765) SC-6192 TFW 4130	6423 (52086) ST-9172 TFW 5775	2467 (42537) SC-5255 TFW 2599	4090 (74448) ST-24484 TFW 2866
CHE	991 (43094) SC-12098 TFW 4577	8959 (79297) ST-73158 TFW 6116	1958 (71752) SC-10080 TFW 6134	31508 (151817) ST-43929 TFW 9467	3627 (115983) SC-10149 TFW 3545	20546 (786764) ST-51166 TFW 7124
BT	4928 (66867) SC-13245 TFW 7218	12233 (96794) ST…….. TFW 8923	3845 (56101) SC-16287 TFW 6549	26067 (101032) ST-43979 TFW 9286	2589 (46703) SC-12321 TFW 948	14684 (502707) ST------ TFW 6931
ME	1267 (48392) SC-10548 TFW 5132	7986 (67035) ST-38299 TFW 6922	1016 (62225) SC-9466 TFW 6488	66449 (122565) ST-58421 TFW 14150	2342 (111045) SC-9115 TFW 5589	23694 (190863) ST-'---- TFW 12153
CE	1294 (39448) SC-13076 TFW 6981	9790 (74421) ST-57285 TFW 9740	709 (45671) SC-9588 TFW 8014	60597 (152488) ST-44590 TFW 22019	2542 (223994) SC-13598 TFW 8254	19809 (685929) ST-'----- TFW 8974
EE	2078 (29095) SC-11133 TFW 5269	5980 (55521) ST-33361 TFW 5470	1117 (52689) SC-17566 TFW 5527	17539 (79204) ST-32379 TFW 6832	2465 (52039) SC-6791 TFW 3992	10192 (361014) ST-51831 TFW 7235
CSBS	-	-	587 (49569) SC-21030 TFW 7564	9972 (59850) ST-52617 TFW 8946	3436 (83948) SC-10364 TFW 3646	7688 (103224) ST-57988 TFW 4482
CSE (AIML)	-	-	-	-	863 (42105) SC-3899 TFW 2651	4597 (64241) ST-33303 TFW 3142

CSE (Data Sc.)	-	-	-	-	1967 (52039) SC-8305 TFW 3368	5331 (361014) ST-40672 TFW 4040

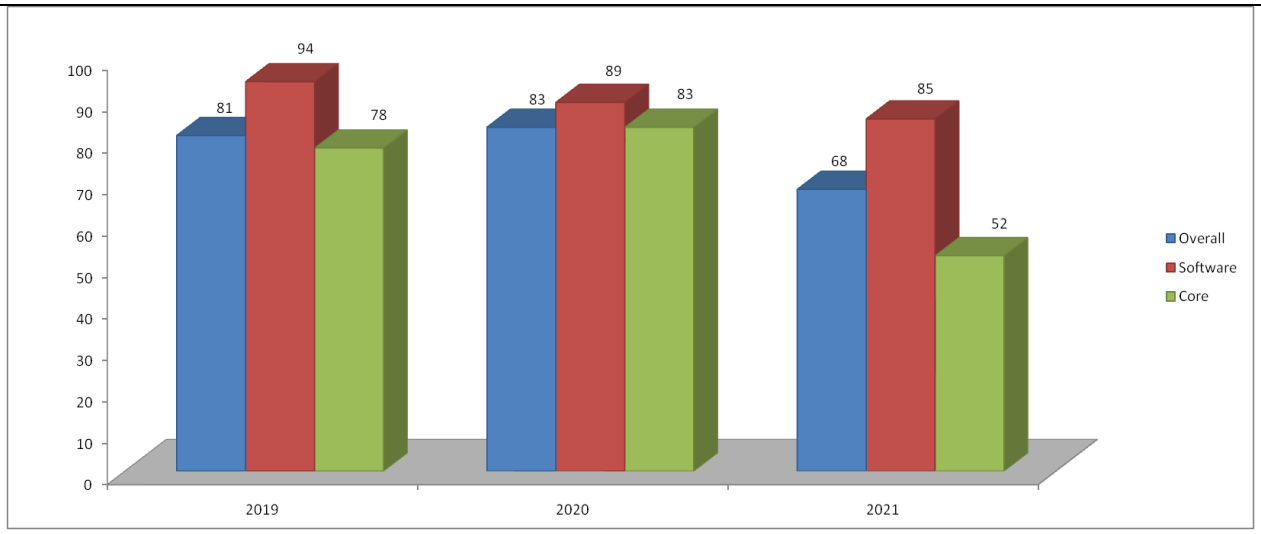
Cut-off mark / Ranking for Admission in M.Tech. last three years

Stream	**2019-2020**		**2020-2021**		**2021-2022**	
	First Rank	Last Rank	First Rank	Last Rank	First Rank	Last Rank
CSE	24	837	114	1030	71	980
AEIE	181	355	277	650	405	904
BT	45	346	170	792	264	547
ECE	706	792	237	586	542	868
VLSI	208	878	301	510	564	972
RE	326	600	828	893	253	928

Placement facilities	Training & Placement Cell compliments the efforts of the members of faculty by organizing value-addition programmes and providing placement opportunities to students. It acts as one of the major interfaces with the corporate sector and helps in developing the industry-academia inter-relationship. **Training:** The Cell organizes certain orientation programmes, grooming sessions, mock interview sessions for students of each stream. Besides, the Cell organizes various summer internship programmes for students to provide them with hands-on experience and introducing them to the professional environment. **Placement:** The Cell continuously co-ordinates with various industries and organizations for placement of students. It has already successfully placed a high percentage of students in industry. It actively obtains feedback from organizations and conveys it to respective departments which, in turn, train students accordingly, thereby increasing their employability.

Campus placement in last three years with minimum salary, maximum salary and average salary	

Percent placement - by stream category



Minimum Salary	Rs.2.64 L.P.A
Maximum Salary	Rs. 30 L.P.A
Average Salary	Rs.4.80 L.P.A

Faculty

Branch wise list Faculty members	Provided on the Institute website www.heritageit.edu
Faculty : Student ratio	UG - 1:15 PG - 1:12
No. of faculty employed and left during last three years	(a) Left - 38 (b) Employed - 64

The profile and details of faculty are given on the Institute website: www.heritageit.edu

Fees

a) Fees Structure of B.Tech.

Tuition and other fees

- ***First Semester : (Paid at the time of admission)***

Tuition Fee	= Rs.44,000/-
Admission Fee	= Rs. 5,000/- (one time only)
Library Fee	= Rs. 6,000/- (one time only)
Students' Welfare and Games & Sports Fee	= Rs. 4,000/- (one time only)
Caution Deposit (Refundable)	= Rs.10,000/-
University Students' Development Fees payable to MAKAUT (@ Rs. 550 per annum)	= Rs. 2,200/- (one time only)
Admission Kit	= Rs. 1,000/-

Total Rs. 72,200/-
(Rupees Seventy two thousand two hundred only)

Fees to be paid in various semesters :

2nd Semester	44,000 /-
3rd & 4th Semester	45,100 /- per semester
5th & 6th Semester	46,200 /- per semester
7th & 8th Semester	47,300 /- per semester

Other fees

- Examination fees for 8 semesters @ Rs. 1200/- at present — Rs. 9,600/-
- University Registration fees (one time) at present — Rs. 500/-

b) Fees Structure of M.Tech.

Particulars	Amount
Tuition Fee (per semester)	Rs. 50,000/- (for AEIE) (Per sem) Rs. 60,000/- (for BT, CSE, ECE,RE,VLSI) (Per sem)
Admission Fees	Rs. 10,000/- (one time only)
Library Fees	Rs. 2,000/- (one time only)
Students' Welfare, Games & Sports Fee	Rs. 2,000/- (one time only)
Caution deposit	Rs. 15,000/- (one time only, refundable)
University Students' Development Fees payable to MAKAUT (@ Rs. 550 per annum)	Rs. 1,100/- (one time only)
Admission Kit	Rs. 1,000/- (one time only)
Total fees payable at the time of admission	**Rs. 81,100 (for AEIE) (Per sem)** **Rs. 91,100 (for BT, CSE, ECE,RE, VLSI)**
2nd to 4th Semester	Rs. 50,000 (for AEIE) (Per sem) Rs. 60,000 (for BT, CSE, ECE,RE,VLSI)
Hostel (Optional) Seat Rent.	Rs. 4,500 per month

Other fees

- Examination fees for 4 semesters @ Rs. 1200/- at present — Rs. 4,800/-
- University Registration fees (one time) at present — Rs. 500/-

c) Fees Structure of MCA

Particulars	At the time of Admission	Sebsequent Fees
Admission Fees (one time only)	Rs. 10,000/-	Univ. Registration Fee (One time) as of now - Rs.500/-
Tuition Fee for the first semester	Rs 60,000/-	Semester Examination Fee for each semester @ Rs. 1200/-
Library Fees (one time only)	Rs. 2,000/-	Semester - wise Tution Fees: 2nd Semester to 4th Semester - Rs.60,000/- (Per Semester)
Caution Deposit (one time only, refundable)	Rs. 15,000/-	
Student Welfare,Games & Sports	Rs. 2,000/-	

Fee (one time only)		
Admission Kit	Rs. 1,000/-	
University (MAKAUT,formerly WBUT) Students' Development Fees (@ Rs. 550 per annum)	Rs. 1,100/-	
Total Fees Payble at the time of admission	**Rs. 91,100/-**	

** Tuition fees for candidates admitted under Management Quota would be decided by the Management as per guidelines of the State Government.

** Hostel facilities (Boys & Girls) - Limited Off / On campus facility available for boys and girls based on distance.

** Hostel Accomation - Rs.4,500/- p.m. (seat rent) + Rs.10,000/- (Refundable Caution Deposit, one time only) (Seat rent for a semester has to be paid at the beginning).

Any other additional fees imposed by the MAKAUT or the State Govt. will be payable extra, as applicable.

Time schedule for payment of fee	Yearly two times i.e. at the beginning of each semester within specified date to be notified by the Institute.

No. of fee waiver granted with amount and name of student

Students who have enjoyed the scholarship during 2020-2021

S.No	Name of Student	Roll No.	Dept.	Fees Waived
1	Vishal Kumar	1452137	ECE	10,000.00
2	Krishna Kr. Samanta	1652162	ECE	23,650.00
3	Kushal Ghosh	1655017	CHE	23,650.00
4	Sukanta Jana	1658160	Civil	11,825.00
5	Balpreet Singh	1751074	CSE	35,475.00
6	Suorajit Kundu	1751147	CSE	82,500.00
7	Tanmoy Das	1751206	CSE	94,050.00
8	Sabyasachi Mukherjee	1751250	CSE	94,050.00
9	Swarnadwip Bose	1751253	CSE	94,050.00
10	Soumyadeep Maity	1752006	ECE	23,650.00
11	Suvojit Kabiraj	1752080	ECE	94,050.00
12	Harsh Kaloya	1752094	ECE	94,050.00
13	Souvik Sarkar	1752099	ECE	94,050.00
14	Ankit Kr. Mishra	1753070	AEIE	70,538.00
15	Aditya Sinha	1754008	IT	58,575.00
16	Sayan Seal	1755029	CHE	94,050.00
17	Anirban Kumar Maity	1755046	CHE	35,475.00
18	Soumen Bid	1756018	BT	94,050.00

19	Anuvab Chatterjee	1756020	BT	94,050.00
20	Prakriti Seth	1756037	BT	94,050.00
21	Tanya Jaiswal	1756045	BT	94,050.00
22	Aman Kumar	1757086	ME	35,475.00
23	Santanu Dey	1757093	ME	94,050.00
24	Durba Das	1757118	ME	23,650.00
25	Arunesh Tiwari	1757124	ME	47,025.00
26	Aneesh Kr. Pandey	1758015	Civil	35,475.00
27	Suraj Kumar Sharma	1758065	Civil	35,475.00
28	Keshav Kr. Mishra	1758069	Civil	35,475.00
29	Soutrik Roychoudhury	1759021	EE	11,825.00
30	Addhyan Das	1851050	CSE	23,100.00
31	Neha Rajgaria	1854083	IT	91,850.00
32	Shuvayan Dasgupta	1856037	BT	91,850.00
33	Sinjiny Bhattacharya	1856061	BT	23,100.00
34	Subhadip Paul	1857097	ME	23,100.00
35	MD yasir Aman	1857138	ME	34,650.00
36	Bhavesh Gandhi	1859058	EE	91,850.00
37	Sayon Bardhan	1882013	MCA	72,000.00
38	Arnab Kumar Das	1892004	M.Tech-AEIE	12,500.00
39	Aadit Sen	1893001	M.Tech-BT	15,000.00
40	Anurina Mukhopadhyay	1893002	M.Tech-BT	15,000.00
41	Pradeepta Khan	1893003	M.Tech-BT	15,000.00
42	Mainak Sengupta	1893006	M.Tech-BT	15,000.00
43	Akash Chowdhury	1893007	M.Tech-BT	10,000.00
44	Priyanka Banerjee	1893008	M.Tech-BT	6,000.00
45	Tamal Das	1894001	M.Tech-ECE	15,000.00
46	Abhijeet Mondal	1894005	M.Tech-ECE	6,000.00
47	Rahul Mitra	1896001	M.Tech-VLSI	7,500.00
48	Sourav Samanta	1896004	M.Tech-VLSI	6,000.00
49	Akash Mondal	1896005	M.Tech-VLSI	6,000.00
50	Soham Bhattacharyya	1896006	M.Tech-VLSI	15,000.00
51	Madhurima Mukherjee	1896007	M.Tech-VLSI	15,000.00
52	Tapati Bhattacharyya	1896008	M.Tech-VLSI	6,000.00
53	Aniruddha Datta	1896009	M.Tech-VLSI	6,000.00
54	Subhadeep Basu	1951151	CSE	22,550.00
55	Soumik Das	1952028	ECE	22,550.00
56	Ayush Das	1952045	ECE	22,550.00
57	Soumen Kumar Paul	1958103	CE	22,550.00
58	Shirsana Ghatak	1991001	M.Tech-CSE	60,000.00
59	Tralini Das	1991002	M.Tech-CSE	36,000.00
60	Sayan Das	1991003	M.Tech-CSE	60,000.00
61	Trisha Saha	1991004	M.Tech-CSE	60,000.00
62	Kaustav Mukherjee	1991005	M.Tech-CSE	48,000.00
63	Aniket Sengupta	1991006	M.Tech-CSE	48,000.00
64	Suravi Chatterjee	1991007	M.Tech-CSE	60,000.00
65	Pritusna Banik	1991008	M.Tech-CSE	60,000.00

66	Manisha Gopal Krishnan	1991011	M.Tech-CSE	60,000.00
67	Swati Raj	1991012	M.Tech-CSE	60,000.00
68	Rima Santra	1991013	M.Tech-CSE	36,000.00
69	Noorafshan Kauser	1992001	M.Tech-AEIE	50,000.00
70	Pinaki Adhikari	1992002	M.Tech-AEIE	50,000.00
71	Surosree Kar	1992003	M.Tech-AEIE	50,000.00
72	Bishal Mondal	1992004	M.Tech-AEIE	40,000.00
73	Krishanu Banerjee	1992005	M.Tech-AEIE	50,000.00
74	Sneha Mondal	1992006	M.Tech-AEIE	50,000.00
75	Priyabrata Mondal	1992007	M.Tech-AEIE	50,000.00
76	Sujay Adak	1992008	M.Tech-AEIE	50,000.00
77	Anirudha Das	1992009	M.Tech-AEIE	50,000.00
78	Anwesha Ash	1993001	M.Tech-BT	60,000.00
79	Pahari Sengupta	1993002	M.Tech-BT	57,000.00
80	Sarabjeet Singh	1993003	M.Tech-BT	60,000.00
81	Madhurima Misra	1993004	M.Tech-BT	60,000.00
82	Saptarshi Chowdhury	1993005	M.Tech-BT	60,000.00
83	Samprity Chowdhury	1993006	M.Tech-BT	60,000.00
84	Debankona Marik	1993007	M.Tech-BT	60,000.00
85	Shinjini Roy	1993008	M.Tech-BT	60,000.00
86	Kaustav Sarkar	1993009	M.Tech-BT	60,000.00
87	Priyanka Mitra	1993010	M.Tech-BT	60,000.00
88	Sumedha Dasgupta	1993011	M.Tech-BT	36,000.00
89	Sushmita Dey	1993012	M.Tech-BT	60,000.00
90	Sampurna Chakraborty	1993013	M.Tech-BT	60,000.00
91	Rajib Banik	1994001	M.Tech-ECE	60,000.00
92	Monideepa Biswas	1994002	M.Tech-ECE	60,000.00
93	Madhurima Datta	1994003	M.Tech-ECE	36,000.00
94	Manisha Bharti	1994004	M.Tech-ECE	48,000.00
95	Abhinaba Mitra	1996001	M.Tech-VLSI	60,000.00
96	Sana Perween	1996002	M.Tech-VLSI	60,000.00
97	Satarupa Gupta	1996003	M.Tech-VLSI	60,000.00
98	Anirban Paul	1996004	M.Tech-VLSI	60,000.00
99	Ankita Das	1996005	M.Tech-VLSI	60,000.00
100	Dhritikana Das	1996006	M.Tech-VLSI	60,000.00
101	Mir Nurezzaman	1996007	M.Tech-VLSI	60,000.00
102	Shreyasee Maity	1996008	M.Tech-VLSI	60,000.00
103	Sayantan Dutta	1998001	M.Tech-RE	60,000.00
104	Archisman Paria	1998002	M.Tech-RE	60,000.00
105	Shraboni Kundu	1998003	M.Tech-RE	60,000.00
106	Puja Das	1998004	M.Tech-RE	48,000.00
107	Sukanya Dutta	2091001	M.Tech-CSE	18,000.00
108	Rohit Sue	2091002	M.Tech-CSE	45,000.00
109	Dipanwita Saha	2091003	M.Tech-CSE	45,000.00
110	Nilanjana Biswas	2091004	M.Tech-CSE	27,000.00
111	Dona Banerjee	2091006	M.Tech-CSE	45,000.00

112	Madhusree Gupta	2091008	M.Tech-CSE	45,000.00
113	Aratrika Banerjee	2091010	M.Tech-CSE	45,000.00
114	Sayantan Chakraborty	2091011	M.Tech-CSE	27,000.00
115	Pragna Biswas	2091012	M.Tech-CSE	45,000.00
116	Debrochi Bandopadhyay	2091013	M.Tech-CSE	45,000.00
117	Debaditya Roy	2091014	M.Tech-CSE	45,000.00
118	Ankita Chakraborty	2091015	M.Tech-CSE	45,000.00
119	Mouli Das	2091016	M.Tech-CSE	45,000.00
120	Shayeli Sarker	2091017	M.Tech-CSE	36,000.00
121	Adriza Sinha	2091018	M.Tech-CSE	27,000.00
122	Subham Ray	2091019	M.Tech-CSE	45,000.00
123	Agnisweta Gupta	2091020	M.Tech-CSE	45,000.00
124	Trayee Sarkar	2091021	M.Tech-CSE	45,000.00
125	Enakshi Halder	2091022	M.Tech-CSE	45,000.00
126	Abhishek Kr. Jha	2091023	M.Tech-CSE	45,000.00
127	Krishna Bangal	2091024	M.Tech-CSE	30,000.00
128	Abhirup Nandi	2091025	M.Tech-CSE	45,000.00
129	Priyajit Raj Choudhury	2091026	M.Tech-CSE	27,000.00
130	Avirup Dutta	2091027	M.Tech-CSE	36,000.00
131	Sujoy Paul	2091028	M.Tech-CSE	30,000.00
132	Suhana Parvin	2091029	M.Tech-CSE	45,000.00
133	Susnata Chakraborty	2091030	M.Tech-CSE	45,000.00
134	Sushmita Sengupta	2091031	M.Tech-CSE	27,000.00
135	Somnath Das	2091032	M.Tech-CSE	45,000.00
136	Avijit Paul	2092001	M.Tech-AEIE	37,500.00
137	Suryatapa Bhattacharya	2092002	M.Tech-AEIE	37,500.00
138	Ishita Patra	2092003	M.Tech-AEIE	37,500.00
139	Swagata Barik	2092004	M.Tech-AEIE	37,500.00
140	Atanu Pal	2092005	M.Tech-AEIE	25,000.00
141	Vijayaditya Bandopadhyay	2092006	M.Tech-AEIE	37,500.00
142	Debargha Chakraborty	2092007	M.Tech-AEIE	37,500.00
143	Kaustav Sarkar	2092008	M.Tech-AEIE	37,500.00
144	Vargabi Sengupta	2093001	M.Tech-BT	27,000.00
145	Ankita Chakraborty	2093002	M.Tech-BT	45,000.00
146	Manorchita Taraphder	2093003	M.Tech-BT	45,000.00
147	Sinjini Sinha	2093004	M.Tech-BT	30,000.00
148	Asmita Banerjee	2093005	M.Tech-BT	45,000.00
149	Suptotthita Ghosh	2093006	M.Tech-BT	45,000.00
150	Koustav Jar	2093007	M.Tech-BT	45,000.00
151	Cameliya Sinha Roy	2093008	M.Tech-BT	27,000.00
152	Shreyasi Ghosh	2093009	M.Tech-BT	45,000.00
153	Saheli Basak	2093010	M.Tech-BT	45,000.00
154	Adita Sarkar	2093012	M.Tech-BT	45,000.00
155	Teesta Banerjee	2093013	M.Tech-BT	45,000.00
156	Rajarshi Saha	2093014	M.Tech-BT	45,000.00
157	Atisuya Mondal	2093015	M.Tech-BT	45,000.00
158	Angshuman Chatterjee	2093016	M.Tech-BT	30,000.00

159	Siddhartha Shome	2093017	M.Tech-BT	45,000.00
160	Mou Chatterjee	2093018	M.Tech-BT	45,000.00
161	Sayantan Chakraborty	2094001	M.Tech-ECE	27,000.00
162	Apratim Chatterjee	2094002	M.Tech-ECE	45,000.00
163	Pritam Deb	2094003	M.Tech-ECE	39,000.00
164	Sneha Bhattacharjee	2094004	M.Tech-ECE	45,000.00
165	Debatree Samanta	2094005	M.Tech-ECE	45,000.00
166	Afreen Rizwan	2094006	M.Tech-ECE	45,000.00
167	Dipsha Nandy	2094007	M.Tech-ECE	27,000.00
168	Ishita Giri	2094008	M.Tech-ECE	45,000.00
169	Shatanik Chakraborty	2096001	M.Tech-VLSI	27,000.00
170	Debajit Bhar	2096002	M.Tech-VLSI	27,000.00
171	Supantha Chatterjee	2096003	M.Tech-VLSI	27,000.00
172	Subhajit Murmu	2098001	M.Tech-RE	27,000.00
173	Saikat Das	2098002	M.Tech-RE	27,000.00
174	Swarnandu Bhattacharyya	2098003	M.Tech-RE	27,000.00
175	Soham Dutta	2098004	M.Tech-RE	30,000.00

Criteria for fee waiver:

- **Merit rank** in State Level/National Level Entrance Examination.
- Candidate must be **domicile of the West Bengal**.
- **Annual Family Income** of the candidate must not be more than Rs. 2.50 lakhs.

Estimated cost of boarding and lodging	Rs. 7000/- (approx) per month
ADMISSION	
Number of seats sanctioned with the year of approval :	Approved intake for Academic Year 2021 – 2022
	UG Progrmmes (B.Tech) • AEIE – 60 • BT – 60 • ChE – 60 • CE – 60 • CSE – 180 • EE – 60 • ECE – 180 • IT – 60 • ME – 60 • CSBS - 60 • CSE(AI & ML) - 60 • CSE (DS) – 60

	PG programmes (M.Tech) • AEIE – 18 • BT – 18 • CSE – 36 • ECE – 18 • RE – 18 • VLSI – 18 PG programmes (MCA) • MCA - 60		
Last three years admission status in under all categories (UG)			
CSE			
Year wise Sanctioned Intake	180(21-22)	180(20-21)	180(19-20)
Year wise Actual Admissions (including TFW and Lateral Entry schemes)	207	200	207
ECE			
Year wise Sanctioned Intake	180(21-22)	180(20-21)	180(19-20)
Year wise Actual Admissions (including TFW and Lateral Entry schemes)	181	207	201
AEIE			
Year wise Sanctioned Intake	60(21-22)	60(20-21)	60(19-20)
Year wise Actual Admissions (including TFW and Lateral Entry schemes)	53	69	62
IT			
Year wise Sanctioned Intake	60(21-22)	60(20-21)	60(19-20)
Year wise Actual Admissions (including TFW and Lateral Entry schemes)	68	66	70
Ch.E.			
Year wise Sanctioned Intake	60(21-22)	60(20-21)	60(19-20)
Year wise Actual Admissions (including TFW and Lateral Entry schemes)	60	59	66
BT			
Year wise Sanctioned	60(21-22)	60(20-21)	60(19-20)

Intake			
Year wise Actual Admissions (including TFW and Lateral Entry schemes)	63	61	63
ME			
Year wise Sanctioned Intake	60(21-22)	120(20-21)	120(19-20)
Year wise Actual Admissions (including TFW and Lateral Entry schemes)	72	133	128
CE			
Year wise Sanctioned Intake	60(21-22)	120(20-21)	120(19-20)
Year wise Actual Admissions (including TFW and Lateral Entry schemes)	80	132	135
EE			
Year wise Sanctioned Intake	60(21-22)	60(20-21)	60(19-20)
Year wise Actual Admissions (including TFW and Lateral Entry schemes)	63	68	69
CSBS			
Year wise Sanctioned Intake	60(21-22)	60(20-21)	60(19-20)
Year wise Actual Admissions (including TFW and Lateral Entry schemes)	68	61	-
CSE(AI & ML)			
Year wise Sanctioned Intake	60(21-22)		
Year wise Actual Admissions (including TFW and Lateral Entry schemes)	59		
CSE (DS)			
Year wise Sanctioned Intake	60(21-22)		
Year wise Actual Admissions (including TFW and Lateral Entry schemes)	60		
Last three years admission status in under all categories (PG)			
CSE			

Year wise Sanctioned Intake	36(21-22)	36(20-21)	36(19-20)
Year wise Actual Admissions	04	28	11
ECE			
Year wise Sanctioned Intake	18(21-22)	18(20-21)	18(19-20)
Year wise Actual Admissions	03	08	04
VLSI			
Year wise Sanctioned Intake	18(21-22)	18(20-21)	18(19-20)
Year wise Actual Admissions	03	03	08
AEIE			
Year wise Sanctioned Intake	18(21-22)	18(20-21)	18(19-20)
Year wise Actual Admissions	08	08	09
BT			
Year wise Sanctioned Intake	18(21-22)	18(20-21)	18(19-20)
Year wise Actual Admissions	18	18	13
RE			
Year wise Sanctioned Intake	18(21-22)	18(20-21)	18(19-20)
Year wise Actual Admissions	04	04	04
MCA			
Year wise Sanctioned Intake	60(21-22)	60(20-21)	60(19-20)
Year wise Actual Admissions	60	58	60
No. of Applications Received During last two years for Admission under Management Quota and Nos. admitted	Total no. of applications received for admission under Management Quota = 1550 (approx.) Admitted : 96		

Admission Procedure	
Mention the admission test being followed, name and address of the Test Agency and its URL	Qualified Joint Entrance Examination conducted by West Bengal Joint Entrance Examinations Board (www.wbjeeb.nic.in)/ JEE (Main) conducted by Central Board of Secondary Education (www.cbse.nic.in) and finally through central online counseling by WBJEE Board.
Number of seats allotted to different Test Qualified candidate separately	• 80% seats to be filled up by JEE candidates, 10% by JEE (Main) candidates and 10% under Management Quota for candidates qualified through WBJEE / JEE (Main) • Lateral Entry of diploma holders and B.Sc. degree holders through JELET conducted by the WBJEE Board, in the 2nd year with an additional intake of 10% of the approved intake
Calendar for admission against Management / Vacant seats	
Last date of request for applications	As per norms laid down by Director of Technical Education, Govt. of West Bengal, and West Bengal Joint Entrance Examination Board and affiliating University (MAKAUT,WB)
Last date of submission of applications	
Dates for announcing final results	
Release of admission list	
Date for acceptance by the candidate	
Last date for closing of admission	
The waiting list shall be activated only on the expiry of date of main list	
Starting of the Academic session	October 25, 2021 (For 1st. year classes) October 01, 2021 (For other continuing batches)
Refund Policy	Refund Policy of the Institute is as follows: → 100% refund before commencement of classes → A proportionate fee is deducted after commencement of classes. However, guidelines of UGC / AICTE & the affiliating University (MAKAUT, WB) are followed.
Criteria and Weightages for Admission	
Describe each criterion with its respective weightages i.e. Admission Test, marks in qualifying examination etc	As per norms laid down by Director of Technical Education, Govt. of West Bengal, West Bengal Joint Entrance Examination Board and affiliating University (MAKAUT,WB)
Mention the minimum level	

of acceptance, if any	
Mention the cut-off levels of percentage and percentile score of the candidates in the admission test for the last three years	
Display marks scored in Test etc. and in aggregate for all candidates who were admitted	
Information of Infrastructure and Other Resources Available	
Number of Class Rooms and size of each	48 nos and size 96 sq.m. (approx)
Number of Tutorial Rooms and size of each	16 nos. and size 48 sq.m. (approx)
Number of Laboratories and size of each	87 nos. and size 77 sq.m. (approx)
Number of Drawing Halls with capacity of each	4 nos. with capacity of 72 students
Number of Computer Centres with capacity of each	1 nos. with a capacity of 150 students
Central Examination Facility, Number of rooms and capacity of each	Available, 48 rooms with a capacity of 63 students for examination
Barrier Free Built Environment for disabled and elderly persons	Yes
Occupancy Certificate	Available
Fire and Safety Certificate	Available
Hostel Facilities	Limited Hostel Facility available for both Boys and Girls
Library	
Number of Library Books / Titles / Journals available	Volumes – 66474 Titles – 9890 Journals available - Yes (National Journals – 107, International Journals – 71)
List of online National / International Journals subscribed	Online Journal IEEE-ASPP can be accessed
E-Library facilities	Available
Laboratory and Workshop	
List of Major Equipment / Facilities in each	List of Major Equipment in each Laboratory / Workshop is appended below:

Laboratory / Workshop	

Name of the Laboratory	Lab / Major Equipments
ANALOG ELECTRONICS LAB	CRO, Functiongenerator, DMM, Power Supply, Bread Board, Cutter, Electronic components
CIRCUITS & NETWORKS LAB	Computer (37 Nos.), Printer
CONTROL ENGINEERING LAB	Computer (37 Nos.) , Printer
DIGITAL SIGNAL PROCESSING LAB & EMBEDDED SYSTEMS LAB	10 MHZ Function Generatlr (3), DSP Kit (3), 50 MHZ DSO (3), 25 MHZ Arbitary Function Generator (1 no
ELECTRICAL MEASURMENT LAB	Desauty Bridge, Anderson Bridge, AC Energy Meter set up, Kelvin Double Bridge, Instrument Transforme
ELECTRONIC MEASURMENT & INSTRUMENTATION LAB	DAS, VCO & PLL, Specturm Analyser, RTD, Thermistor, A to D & D to A conveter, CRO, PC, DMM, Dynamic
INDUSTRIAL INSTRUMENTATION LAB	Viscosity Meas., Thermocouple, RTD, Dead Weight Tester, Halogen Moisture Analyser, PC,DMM
INSTRUMENTATION & CONTROL DESIGN LAB	CRO, PC, Printer, DC Power Supply(Simulator), DMM, Function Generator, MATLAB(02), LABVIEW (02)
MICROPROCESSOR & MICRO CONTROLLER LAB	8051 Trainer, Stepper Motor,Motor Interface Study Card, SMPS, Ultraviolet EPROM, Universal Programme
MICROPROCESSOR BASED SYSTEM LAB	8086/88 trainer kit, 8255 study card, Temp. Controller and DA/AD card,PC,EPROM programmer, SMPS,
POWER ELECTRONICS LAB	SCR Cha.set up, Thyristor Triggering, TRIAC , SCR SIngle phase half wave & full wave converter, PC
PROCESS CONTROL LAB	PLC, Pr.,Temp. Flow and Level control loop, Air Duct flow control, Level - I Automation Sys.(MODROB)
PROCESS INSTRUMENTATION LAB	Boiler Simulation Software, Process Telemetry & Remote control,DAS,PC, Printer, Closed Loop Control
PROJECT LAB	Flash Programmer, CRO, Function Generator, Power Supply, ADC study board, DMM,PC, Project board
RESEARCH LAB (M.TECH)	DAS with various sensors, Process Telemetry
TELEMETRY & REMOTE CONTROL LAB	Current & Voltage Telemetry set up, DAS, Frequency Telemetry set up, PCM, VCO & PLL, Remote Control
TRANSDUCER & SENSOR LAB	AD 590 Temp. Sensor, Proximity sensor, LVDT for Disp. & Pr. measurment, Load Cell, Stroboscope, LDR
VIRTUAL INSTRUMENTATION LAB	LABVIEW (8), PC (10), Printer
BASIC ENVIRONMENTAL ENGINEERING LAB	COD Digester
BIO-INFORMATICS LAB	Computers (31 nos.), CD Writer, Schrodinger software
BIOCHEMISTRY LAB	Electronic Balance(Sartorius), Tissue Homogeniser, Cyclo Mixer, pH meter, Magnetic stirrer, Distilla
FERMENTATION TECHNOLOGY LAB/BIO-REACTION ENGINEERING LAB/BIO-SEPARATION LAB	Stirred tank Fermentor(Cap 2 lit with rpm and temp controller-digital display){Biofermentor}, Compre
FOOD TECHNOLOGY LAB	Microwave oven, Pressure Cooker, Gas Oven, BOD, Incubator Shaker
GENETICS LAB	Binocular Miscroscope, BOD incubator, incubator shaker, Refrigerator, Spinwin (centrifuge machine)
IMMUNOLOGY LAB	Centriguge(Remi), Tarson Spinwin, Water bath shaker, Spectrophotometer, ELISA plate Reader, Biochemi
MICROBIOLOGY LAB	Binocular Microscope, Fluoroscene Microscope, Autoclave, Laminar Air Flow, BOD incubator Shaker, Ref

MOLECULAR BIOLOGY LAB	Binocular Microscope, Laminar air flow, Micro Pipettes, Gel electrophoresis unit, Power supply(Maxi
PLANT TISSUE CULTURE LAB	Laminar air flow, Refrigeator(312 Ltr.), Electronic Balance, Hot Air Oven, pH Meter(2), Magnetic sti
PROJECT LAB (M.TECH.)	Autoclave (Indian instrument), Plate master (Genei), Dry bath (Genei), Platform rocker, Distillation
RDNA LAB	Refrigerator(LG)(2), High speed tabletop centrifuge (Bio Lab) (1), Incubator shaker (Incon) (1), Inc
RESEARCH LAB (M.TECH.)	HPLC (Shimadzu), Distillation unit, Spectrophotometer-visible (Systronics), Refrigerator LG (230 Ltr
CHEMICAL ENGG..THERMODYNAMICS LAB	-
CHEMICAL REACTION ENGINEERING LAB	PLUG FLOW REACTOR, ISOTHERMAL CSTR, PACKED BED REACTOR,SPINNING BASKET REACTOR, EMULSION POLYMERIZAT
ENERGY LAB	BOMB CALORIMETER, JUNKER'S CALORIMETER, REID VAP. PR. APPARATUS, ABEL APPARATUS, ANILINE PT. APARAT.
ENVIRONMENTAL ENGINEERING LAB.	DEMINERALISATION PLANT, BOD INCUBATOR, BOD/COD APPARATUS, KJELDAHL APPARATUS, ORSAT APPARATUS, BALAN
FLUID MECHANICS LABORATORY	CF PUMP,ORIFICE & VENTURI METER, PITOT TUBE, NOTCH, REYNOLDS APPARATUS, PACKED BED, FLUIDISED BED
HEAT TRANSFER LABORATORY	LAGGED PIPE, SHELL & TUBE , DOUBLE PIPE, FINNED TUBE HEAT EXCHANGER, DROP WISE FILM WISE CONDENSASOR
INSTRUMENTAL METHODS OF ANALYSIS LABORATORY	POLARIMETER,COLORIMETER,TURBIDITY M ETTER,SPTROPHOTO METER REFRACTOMETER,AUTOCLAVE
MASS TRANSFER LABORATORY	SIEVE TRAY/BUBBLE CAP DISTILLATION PACKED BED & WETTED COLUMN ABSORPTION COLUMN, FORCED DRAFT TRAY D
MECHANICAL OPERATION LABORATORY	ROLL CRUSHER,BALL MILL,ROD MILL,HAMMER MILL,JAW CRUSHER,GYRATORY SIEVE SHAKER,ROTAP SIEVE SHAKER,
NUMERICAL METHODS OF ANALYSIS	40 COMPUTERS WITH REQUIRED SOFTWARE LOADED
PROCESS CONTROL	FLOW CONTROL TRAINER, FIRST ORDER SYSTEM, SECOND ORDER INTERACTIVE & NON INTERACTIVE SYSTEM. PID CON
PROCESS EQUIPMENT DESIGN & DRAWING-I, II, III	40 COMPUTERS WITH REQUIRED SOFTWARE LOADED
PROJECT LAB (B.TECH.)	DIGITAL TEMP, MEASURING DEVICES, CROSS FLOW, ULTRAFILTRATION CELL WITH PERISTALTIC PUMP, FERMENTOR,
RESEARCH LAB (B.TECH.)	UV VISIBLE SPECTROPHOTOMETER, ULTRA SONICATOR, RESEARCH CENTRIFUGE, MICROWAVE OVEN, WEIGHING BALANCE
BUILDING DESIGN AND DRAWING	TOOLS AND DRAWING TABLES-15 NOS. (NEW) + 25 nOS (OLD) = 40
CAD LAB	CAD RELATED SOFTWARE LIKE STAAD PRO, AUTOCAD, 40 NOS. PCS
CONCRETE LAB	WATER BATH, SIEVES, HOT PLATE, HOT AIR OVERN, CUBE MOULD, FLEXURAL TESTING M/C, NEEDLE VIBRATOR
ENVIRONMENTAL ENGINEERING	JAR TEST APPARATUS, COD DIGESTER, BOD INCUBATOR, MUFFLE FURNACE, HOT AIR OVEN, BACTERIOLOGICAL INCUB
GEOLOGY LAB	MICROSCOPES, SAMPLES OF MINERALS AND ROCKS
HIGHWAY AND TRANSPORT LAB	LOS ANGELS APPARATUS, BENKLE MENT BEAM APPARATUS, IMPACT TEST M/C, RING AND BALL TEST APPARATUS, FLA
SOIL MECHANICS LAB	UNCONFINED COMPRESSIVE TEST M/C, TRIAXIAL COMPRESSION TEST M/C, VANE SHEAR TEST APPARATUS, DIRECT SH
SOLID MECHANICS LAB / STRENGTH OF MATERIALS LAB	UTM, SPRING TESTING M/C, BRINELL AND ROCKWELL HARDNESS TESTING MC, TORSIONAL TESTING M/C, IMPACT TES
STRUCTURAL DETAILING LAB	TOOLS AND DRAWING TABLES - 40 NOS.

SURVEY LAB	CHAIN, TAPE, RANGING ROAD, OFFSET ROD, OPTICAL SQUARE, PRISMATIC COMPASS, PLANE TABLE SET
ALGORITHM & SOFTWARE ENGG. / WEB INTELLIGENCE LAB	PCs, PRINTER, SCANNER, SPECIALIZED SOFTWARE
DATABASE MANAGEMENT SYSTEM LAB II (CSE)	PC(37 nos.), Monitor(37 nos.), UPS (37 nos), Printer (5 nos)
PROJECT LAB/WIRELESS NETWORKING LAB (M.TECH.)	PC(20 nos.) Monitor(20 nos), Printer (1 no), UPS(20 nos.)
ADVANCE COMPUTING LAB (MTECH)	PC (20 nos.) Printers (1 no.), Monitors (20 nos.) UPS (20 nos.)
BASIC COMPUTING LAB-I	PC (37 nos.), Printers (4nos.) Monitors (37nos.), UPS (37 nos.)
BASIC COMPUTING LAB-II	PC (37 nos.), UPS (37 nos.) Printers (4nos.), Monitors (37nos.) Pen drive
CENTRAL COMPUTING LAB	PC (60 nos.), Monitor (60nos.) Printer (1 no.)
COMPUTER ORGANIZATION LAB	PowerSupply (08 nos.), CRO(01) MicroprocessrKit (02), Function gen. (04 nos.), DMM(40)
Web Intelligence	PC (37 nos.), Monitor (37nos.), UPS (37 nos.), Printer (5 nos.)
AI & ML	PC (37 nos.), Monitor (37nos.) UPS (37 nos.), Printer (4nos.)
MICROSOFT LAB / BIG DATA SCIENCE LAB	PCS, PRINTER, SCANNER, MICSOFT SOFTWARE
MOBILE COMPUTING LAB	PC, Laptop, PDA, Notebook Mobile Phone, Other mobile devices (5 sets each)
MULTIMEDIA LAB	PC (36 nos.), Monitor (36nos.) UPS (36 nos.), Printer (2nos.)
OBJECT ORIENTED LAB	PCS, PRINTER, SCANNER, SPECIALIZED SOFTWARE
PROJECT LAB(CSE)	PC (37 nos.), Monitor (37nos.) UPS (37 nos.), Printer (1 no.)
RESEARCH LAB(M.TECH)	PC (20 nos.), Monitor(20nos.) UPS (20 nos.), Printer(2nos.)
BASIC ELECTRICAL ENGINEERING LAB	DC SHUNT MOTOR SET, 3 POINT STARTER, SINGLE PHASE, WATTMETER, SINGLE PHASE TRANSFORMER
CONTROL SYSTEM LAB (EE)	Computer (40 nos.), MATLAB ORIENTED SOFTWARE
ELECTRICAL CIRCUIT LAB	WORKSTATION (40 NOS.), MATLAB , PSSPICE
ELECTRICAL MACHINE LAB	DC Shunt Motor (2 set), DC Compound Motor (1 set), DC Series Motor (1 set), Induction Motor (2 set)
ELECTRICAL MEASUREMENTS LAB	KELVIN DOUBLE BRIDGE, 3-PHASE POWER MEASUREMENT, WEIN BRIGDE, AC POTENTIOMETER
MACHINE LAB	DC SHUNT MOTOR, SINGLE PHASE TRANSFORMER, DC SHUNT GENERATOR, SLIP RING INDUCTION MOTOR, ALTERNATOR
MICROPROCESSOR AND MICRO CONTROLLER LAB	INTEL 8085 AND INTEL 8051 ASSEMBLY LANGUAGE PROGRAMMING & INTERFACING
POWER ELECTRONICS & DRIVES LAB/ANALOG ELECTRONICS ELECTRICAL	SCR, TRIAC, FULLY CONTROLLED BRIDGE CONVERTOR WITH R & R-L LOAD
POWER SYSTEM LAB - II	OVER-CURRENT & EARTH FAULT PROTECTION, ON & OFF RELAY, LOADFLOW ANALYSIS, TEST OF CT & PT
POWER SYSTEM LAB-I	A,B,C,D PARAMETER, BREAKDOWN STRENGTH MEASURING EQUIPMENT OF INSULATING MATERIALS
VLSI	-
ADVANCED COMMUNICATION LAB	CRO, POWER SUPPLY, FUNCTION GENERATOR, GPS, GSM,FDM, PAM, SATTELITE SYSTEM, FIBRE OPTICS KITS,
ANALOG COMMUNICATION LAB	CRO,SPECTRUM, FUNC GENERATOR, POWER SUPPLY, KITS,FREQUENCY COUNTER,POWER METER
ANALOG ELECTRONICS AND CIRCUIT LAB	CRO,FUNCTION GENERATOR,POWER SUPPLY,DMM, TRAINER KIT,

BASIC ELECTRONICS ENGINEERING LAB-II	MC based digital readout CRO, MC based function general pulse,Digital Multimeter
BASIC ELECTRONICS ENGINEERING LAB-I	Oscilloscope, Oscilloscope trainer Function Generator, Regulated Power Supply, DMM
COMM ENGG LAB(M.TECH)	SPECTRUM,DSO,DIGI POWER METER,ARBITARY WAVE GENERATOR,CRO, MATLAB 9,FPGA KIT,DSP KIT,XILINX 11.1,
DIGITAL COMMUNICATION LAB	DSO,CRO,SPECTRUM,KITS, ISDN KITS,COMMSIM SOFTWARE,FUNC GENERATOR, POWER SUPPLY,DIGI THERMOMETER
DIGITAL ELECTRONICS & INTEGRATED CIRCUIT LAB	24 pin Digital automatic IC tester Analog and Digital automatic IC tester Electronic log
DSP LAB	TMF 320V 5416, TMF 320C 6711 Code Composer Studio
ELECTRONICS DESIGN & CIRCUIT LAB	CRO, Function Generator, Power Meter, Multi meter, DMM, RPS
EMBEDDED SYSTEMS LAB (M.TECH. ECE)/M.TECH. VLSI	CPLD Trainer Kit Universal Trainer Kit(SPARTAN) Universal Trainer Kit(VERTEX) VLSI Design Softwar
MICROWAVE ENGINEERING LAB	Wave guide test benchs,E4418B Single channel EPM series power meter,E9300A Average power sensor
PROJECT LAB (ECE)	LCR Q METER,CRO, FUNC GENERATOR, DSO, 8085/8051 KIT, 8051 PROGRAMMER, Microphone & Loudspeaker Tra.
PROPAGATION & ANTENNA LAB	Antenna Training Systems(ATS 2001, 2002), Transmission Analyser, Microwave Test Bench(SX -9000/1/2)
RESEARCH / PROJECT LAB	LCR Q METER,CRO, FUNC GENERATOR, DSO, 8085/8051 KIT, 8051 PROGRAMMER, Microphone & Loudspeaker Tra.
SIGNAL AND SYSTEM LAB	ELECTRONIS RELATED SOFTWARE AND EQUIPMENT
ENGINEERING CHEMISTRY LAB.	Digital pH meter (6pcs), Digital Conductometer (6pcs), Digital Balance (2pcs), Hot Plate
MECHANICAL WORKSHOP	CENTRE LATHE,MILLING M/C,DRILLING M/C,GRINDER,SHEARING M/C,CARPENTRY&FITTING VICE,DRG.BOARASSEMBLY
LANGUAGE LAB-I	PC, LCD Projector, Teacher Console, Student Console, Headphones(57), OHP, Sony Handy Cam, Set top bo
LANGUAGE LAB-II	PCS, HEADPHONES, SONY HANDYCAM AND OTHER RELATED SOFTWARE
ALGORITHM, SOFTWARE ENGG. & PROJECT LAB	PC - 36 AND IT RELATED SOFTWARE, Laserjet Printer - 1
BASIC COMPUTING LAB - II	PCs (36); PRINTER (4); PENDRIVE (1)
BASIC COMPUTING LAB- I	PCs(36), PRINTER-(4), PENDRIVE-(1)
DATABASE MANAGEMENT SYSTEM LAB II	PC-36; PRINTER-5 (DotMatrix-4, HP LaserJet-1); PENDRIVE-1
DIGITAL ELECTRONICS & COMPUTER ORGANIZATION LAB	POWER SUPPLY-16; Multimeter-35; Osiloscope-1; IC TESTER-1; Function Genereter-4
INFORMATION SYSTEM ANALYSIS & DESIGN LAB	PCs (37); PRINTER (DotMatrix-4); PENDRIVE-1
JAVA LAB	PCs (37); PRINTER (Dot Matrix-4); PENDRIVE (1)
MULTIMEDIA LAB & WEB TECHNOLOGY LAB	PC-40;PRINTER-4 (HP Laser Color-1, DotMatrix-2, Deskjet-1); SCANNER-3; WEBCAM-35; SYNTHESIZER-1; DVD
NETWORKING LAB	PCS-38;PRINTER-5 (HP LaserJet -1, DotMatrix-4); SERVER-1;SWITCH-2;ROUTER-2;LAPTOP-1;PROJECTOR-1;EXT
SYSTEM ADMINISTRATION LAB	PCS-38;PRINTER-5 (HP LaserJet -1, DotMatrix-4); SERVER-1;SWITCH-2;ROUTER-2;LAPTOP-1;PROJECTOR-1;EXT
WIRELESS NETWORKING LAB / PROJECT LAB (M.TECH.)AIR Machines	PC-19; PRINTER-2 (Canon Laser Printer, HP Deskjet Ink Advantage)
ADVANCE MANUFACTURING LAB (MECH. ENGG.)	EDM, 6 AXIS EDUCATIONAL ROBOT, CNC LATHE

APPLIED FLUID MECHANICS LAB/PROJECT LAB	Study of hyd. Jump, study of cavitation phenomena, Submersible pump, stokes law, series and parralel
APPLIED MECHANICS LAB	UNIVERSAL TESTING MACHINE, IMPACT TESTING APPARATUS, TORSION TESTING M/C, HARDNESS TESTING APP., SPR
DYNAMICS OF MACHINES LAB	Univ. vibration apparatus, static & dynamic balancing apparatus, univ. governor, digital tachometer,
ENGINEERING DRAWING (CAD/CAM LAB)	PC (42 NOS.), PLOTTER, LCD PROJECTOR WITH LAPTOP, DIFFERENT CAD SOFTWARES
FLUID MECHANICS AND HYDRAULIC LAB	TURBINES(2 NOS), SETUPS FOR FLOW MEASUREMENT, PUMP TESTING, FRICTION LOSSES, REYNOLD'S EXPERIMENT
IC ENGINE LAB	MULTI POINT FUEL INJECTION, BOBM CALORIMETER, VALVE TIMING DIAGRAM OF DIESEL ENGINE, CATALYTIC CONVE
INDUSTRIAL POWER LAB/FLUID POWER CONTROL LAB	ELECTRO HYDRAULIC TRAINER KIT, ELECTRO PNEWMATIC TRAINER KIT WITH AIR COMPRESSOR
MACHINING & MACHINE TOOLS LAB	Lathe (Panther), drill m/c, surface grinder
MANUFACTURING TECHNOLOGY LAB	TIG WELDING M/C, MELTING FURNANCE, SAND MULLER, SAND TESTING INSTRUMENTS, MET MICROSCOPE, POLISHING
MATERIAL TESTING LAB	FATIGUE TESTING M/C, MUFFLE FURNACE, MAGNA FLUX TESTER, DEEP DRAWING TESTER
MECHATRONICS LAB	NI LAB VIEW R10 HARDWARE, STRAIN GAUGE TYPE SENSOR KIT, STEPPER MOTOR TRAINER KIT, MICROCONTROLLER T
METROLOGY AND MEASUREMENT LAB	MECHANICAL ENGG. EQUIPMENT
THERMAL POWER ENGINEERING LAB/REFRIGERATION & AIRCONDITIONING LAB	CUT MODELS OF LANCASHIRE BOILER, BABCOCK WILCOCK BOILER, COCHRAN BOILER, VERTICAL WARTER TUBE BOILER
THERMODYNAMICS AND HEAT TRANSFER LAB	HEAT EXCHANGER, EVAPORATOR, CONDENSER
ENGINEERING PHYSICS LAB	VISCOS,PLANK'S,CAREY FOSTER,BAND GAP(J),N. RING ,DISP.POW,FRESNEL'S,MOD OF RIGIDITY,E/M,Y.MOD,HAL CO

List Of Experimental Setup In Each Laboratory / Workshop	Available in the Laboratories
Computing Facilities	
Internet Bandwidth	200 Mbps
Number and Configuration of System	1071 Pcs available Core i3 / 4GB Ram / 500 GB HDD / 18.5” LED Monitor / Core i5 / 8GB HDD
Total Number of System Connected by LAN	All
Total Number of System Connected by Wan	02
Major Software Packages Available	-- Microsoft Cloud Campus Licensing Agreement (Covered All Microsoft Related Application and Operating System Softwares)

	-- Microsoft Cloud Campus Licensing Agreement (covered all Microsoft related Application and Operating System Softwares) -- Turbo C++ -- Fortran -- Visual Studio (Net) -- Synopsis -- Oracle 9i -- Auto CAD -- Simulink -- Libsys -- Softtek -- P-Spice -- MatLab 2013a -- Symantec Endpoint -- DCS Software (HC 900) -- HMI Software (Specview 32, version2 Build 785) -- PLC Software (versapro 2.3) -- DAS Software -- MatLab V 8.1 -- Win Boiler Sim version 4.03 -- Qualnet 6.1 -- Adobe CS -- Comsimm -- Intelli Suite -- NI Lab View Premium Suit -- Glide Prime -- ANSYS Academic CFD -- BeCN Global Structural Bundle -- Cadence University Bundle -- Stad Pro -- TCAD Synopsis University Bundle --ETAP 12.6 Version -- Campus Placement Preparation Material (A) -- ArcGIS 10.2 -- MD FEA Bundle plus MD ADAMS Bundle -- Premium Local Guru
Special Purpose Facilities Available	The entire campus is Wi-Fi connected with 200 Mbps leased line for 24 hours for net surfing and online study. All students are provided with unique Email Id for having anytime access to Institute related information.
List of facilities available	
Games And Sports Facilities	There are excellent facilities for outdoor games and sports like cricket, football, volleyball and basketball. The institute has separate common rooms for boys and girls, equipped with indoor games facilities like table tennis, carom, chess etc.

Extra-Curricular Activities	The institute has constituted 22 (twenty two) various clubs to encourage and organize various co-curricular and extracurricular activities. Various student activities such as music, Dance, Drama, Photography, Quiz, Debate, Magazine, News activities, Coding, Aero-modelling, Fashion, Science, Environment, Computer Games, Sports activities, Rotaract activities, NSS activities, entrepreneurship are organized by designated clubs throughout the year.
Soft Skill Development Facilities	The Training & Placement Cell of the institute organizes certain orientation programmes, grooming sessions, mock interview sessions for students of each stream
Teaching Learning Process	
Curricula And Syllabus For Each Of the Programmes as Approved By The University	Curricula and Syllabus for each stream is available in our Institute website www.heritageit.edu
Academic Calendar Of The Institute	Academic calendar of the institute is available at: https://heritageit.edu/PDF/AcademicCalendar2021.pdf
Internal Continuous Evaluation System	In each semester two internal written tests are conducted by the Institute. Besides, each student is given assignments at regular interval. Marks obtained in Internal Tests as well as assignments carries 30% weightage in the concerned semester paper.
Students Assessment of Faculty, System	Online students assessment of faculty is in place. Feedback so received is analyzed and the results are shared with the concerned member of faculty so that the faculty members can take the necessary corrective action to improve the quality of the lecture delivered in the class.
List of Research Projects / Consultancy Works	
Number of Project carried out, Funding Agency, Grant received	No. of research projects: 8 Funding: • Information Technology Research Academy (ITRA), Ministry of Communications and IT, Govt. of India, (Rs.43.55 lacs) • DST, Govt. of India (Rs. 187 lacs) • CSIR, Govt. of India (Rs. 22 lacs)

<table>
<tr><td></td><td>

WB-DST (Rs. 9.43 lacs)
Science & Engineering Research Board (SERB) under Fast Track Scheme for Young Scientist, Dept. of S&T, Govt. of India (Rs. 45.94 lacs)
SEED, Govt. of India (Rs. 29.76 lacs)

No. of Patents filed: 14
</td></tr>
<tr><td>Publications (If any)
For last 3 years</td><td>Publications / Citation
<table>
<tr><td>Source</td><td>Publications</td><td>Citations</td></tr>
<tr><td>Web of Science</td><td>211</td><td>489</td></tr>
<tr><td>Scopus</td><td>226</td><td>647</td></tr>
</table>
No. of publication in peer reviewed journals : 163
(for the year 2022 to 2019)
</td></tr>
<tr><td>Industry Linkage</td><td>Academic curricula and syllabi are supplemented keeping in view the requirements of industry by regular interactive workshops, seminars and short-term courses with active participation of academia and industry. Close connectivity with industries like Infosys, Wipro and TCS helps students to get a first hand feel of the industry environment during their course of studies.

Institute has close linkage with many process industries like Paharpur Cooling Towers Ltd., Skipper Limited, Vikram Solar Ltd., Star Cement, Emami Cement etc. where students carry out their project work at both UG and PG levels as well as undergo internship training during vacations.

Institute has also close linkage with renowned design & consultancy firms like M.N. Dastur Ltd., Development Consultant Limited etc. The Institute has also tieup with Edward Food Research and Analysis Centre (EFRAC), an Internationally recognized R&D laboratory where students carry out their internship to familiarize with cutting edge technologies in analytical instruments.

The Institute organizes and subsidizes various summer courses conjointly with different industries which not only supplement the syllabi but also provide students with cutting edges, which is so necessary to be employable and enterprising in future.</td></tr>
<tr><td>MOUs with Industries
(Minimum 3)</td><td></td></tr>
<tr><td colspan="2">The Institute has MOU with the following organizations (both Government, Private and Public Sector):</td></tr>
</table>

National

- Semi Conductor Laboratory, Department of Space, Government of India, SAS Nagar, Punjab signed a MOU with Heritage Institute of Technology for exchange of staff and students, collaboration in teaching, R&D and consultancy activities in the fields of (i) Advanced VLSI device fabrication, (ii) MEMS fabrication, (iii) VLSI device / MEMS characterization, (iv) VLSI / CMOS – RF circuit design and (v) VLSI device modeling.

- DXCorr Hardware Technologies Pvt. Ltd., Bangalore (Corporate Headquarter at California, USA) signed a MOU with Heritage Institute of Technology for development, up-gradation of technology, Innovation and Training in the field of VLSI Design, Layout, Verification methods and Nano-Technology.

- Instrument Society of India (ISOI) had launched its first student chapter in Kolkata at Department of Applied Electronics and Instrumentation Engineering, Heritage Institute of Technology. This will help the students to organize seminars, project competition etc.

- The Institute has set up a new Industrial IoT (Internet of Things) Lab sponsored and equipped by Kernel Sphere Technologies. Along with Research work the Laboratory will provide training in Industrial Internet of Things to the students for a career in this field.

- Hemraj Infocom Pvt. Ltd. signed a MOU with Heritage Institute of Technology for teaching/training methodology and suitably customized the curriculum as per Industry standards so that HIT students have an exposure of Industral Training, Internship, R&D activities etc.

- Mindspace Ventures (Free Flow) signed a MOU with Heritage Institute of Technology regarding Innovation Enablement Training and Ecosystem Development.

- Confederation of Real Estate Developers' Associations of India (CREDAI), signed a MOU with Heritage Group of Institutions for Summer Internship/on the spot Training inputs/Project visits and R&D activities.

- Electronics Center of Excellence (e-COE) signed a MOU with HITK to bring & train the students into the domain of VLSI for various employment oriented program and collaborative research in VLSI domain.

- HITK Signed a MOU with M/S Samriddhi Organics for R&D activities.

- KernelSphere Technologiesto sponsor and equip an Industrial Internet of Things (IIoT) Lab for research work and to provide training in Industrial Internet of Things to the students during the AY 2017-18.

- HITK established collaboration with UMC (United Microelectronics Corporation) and IMEC through EUROPRACTICE IC Service which is a milestone in VLSI Domain. With the help of this collaboration the Institute started a feasibility study on Micro Chip Development for India Chip Program (InChiP), a make in India Initiative by NETRA (National ESDM Technology Research Academy).

- Knowledge Incubation for Technical Education (KITE) Centre, IIT Kharagpur for academic collaboration that would be of mutual benefit and would provide strength in research and education

- Indian Institute of Engineering Science & Technology, Shibpur (IIEST) with the objective of

collaborative R&D activities in the area of renewable / green energy.

- Vikram Solar Pvt. Ltd. for I-I-I activity
- Sun Oil Company Pvt. Ltd. for collaborative R&D programme
- Baid Power Services Pvt. Ltd. (BPS) for I-I-I activity and collaborative R&D program
- Sankalp Semiconductor Private Ltd. to foster collaboration and to provide guidance, training and also to assist in development and fabrication of VLSI Test-Chips
- Cranes Software International Ltd. Bangalore, University Programme Partner of Texas Instruments (TI), India for establishing a teaching/research lab facility using ASLK Starter Kits
- Karo Sambhav Private Limited for providing environmental compliance services and e-waste management solutions to producers and generators including bulk consumers operating in India
- Redivivus Recyclers Private Limited for providing Recycling and Waste Management services for dry recyclables.
- Star Cement Limited for concerning a set of general objectives on commencement of research unit at HIT-K initially for Genomic Research.
- Artchala for project of Halrbal Hand Sanitizer
- Century Plyboards (India) Limited for concerning a set of general objectives on commencement of research unit at HIT-K initially for Genomic Research.

International

- University of Alabama at Birmingham, USA to promote joint research activities in Biotechnology in the field of genome-wide and epigenome-wide association studies related to chronic diseases of metabolic origin
- University of Massachusetts, Lowell, USA for a variety of joint academic and educational activities
- The Institute signed MOU with New Jersey Institute of Technology (NJIT), NJ, USA for a summer Research Program under which the twelve batches of student had 6-week training program at NJIT during the period 2008-2019. Since its inception in 2008, the NJIT-HITK Summer Research Program have catered to a total of 117 students from HITK.
- College of Natural Science, Sungkyunkwan University, Korea with reciprocal exchange of members of faculty, staff and students as one of the objectives.
- IEEE EDS Centre of Excellence, first of its kind globally, was inaugurated on December 21, 2017 at HIT-K with financial support form IEEE, USA. Its primary objective would be to provide collaborative environment to create rich teaching-learning and research experiences in the field of electron devices and circuits.

LOA and subsequent EOA till the current Academic Year	http://www.heritageit.edu/eoa.aspx
Accounted Audited	Audited Statement of accounts for last 3 (three) years is

Statement for the last three years	available at: http://www.heritageit.edu/pdf/hitbalancesheet2019_20.pdf http://www.heritageit.edu/pdf/hitbalancesheet2018_19.pdf http://www.heritageit.edu/pdf/hitbalancesheet2017_18.pdf
Best Practices adopted, if any	**Best Practice I:** **Title: Award of Excellence to the Members of faculty of the Institute** **Objective:** Heritage Institute of Technology Kolkata (HITK) recognizes that its ability to achieve its vision and mission will be greatly dependent upon the performance of the members of its faculty and staff, and the extent to which their individual contributions impact on the services provided by the Institute to the community. The objective has been achieved through: □ Creating an environment of encouragement, motivation and recognition. □ Boosting satisfaction level of teachers that directly impacts the improved academic environment of the Institute. Judicious guidelines have been framed to establish the parameters for a system, which will recognize and reward outstanding performance of its faculty. The value of the awards will be INR 10,000 each and a certificate. **Context:** Heritage Institute of Technology Kolkata (HITK) has developed a practice through which it can encourage, acknowledge and appreciate the efforts of those persons who are steadily contributing and are quintessential to its growth. Such practices lead to a better academic environment in the institute. The scheme is entitled 'HERITAGE INSTITUTE OF TECHNOLOGY AWARD FOR EXCELLENCE'. A total of five (5) awards are given in recognition of accomplishment and/or as an incentive for continued excellent performance. **Practice:** Since its inception The Institute celebrates its Foundation Day on September 5, each year. It is on this auspicious day the Annual Awards of Excellence are presented to the selected members of faculty in the following award categories: i. outstanding teaching; ii. outstanding research accomplishments;

	iii. outstanding service to the HITK Community; iv. outstanding contribution to public service, to include the private sector and the non-government community; v. all-round excellent performance in a combination of two or more of the above areas. The entire practice follows a rigorous selection procedure as stated below: **I. ELIGIBILITY** All current members of the Academic staff and Administrative staff (excluding Executive Management, Registrar and Head HR), who have been in the continuous service of the institute for at least 5 years prior to the application or nomination and not more than 60 years of age at the time of application are eligible for an award. Award categories (i) and (ii) are specifically for Members of Faculty. **II. CRITERIA** Awards will be based on excellent performance, assessed primarily on the candidate's achievements during the 5-year period immediately preceding nomination for the award. Criteria to be used in the evaluation of applications for awards in the four Core Areas are: i. Outstanding Teaching, as demonstrated, for example, by: excellent student ratings, testimonials and peer recognition; development of innovative course delivery methods; development of effective instructional materials; evidence of reflective and scholarly teaching and learning; outstanding students advisory activities; outstanding students supervisory activities. ii. Outstanding Research Accomplishments, as demonstrated, for example, by: an outstanding publication record in refereed journals, books or chapters in books; evidence of the scholarly or professional impact of the work; evidence of the international, regional or national recognition of the work; evidence of effectiveness at generating research funds; evidence of excellence in supervision of graduate research. iii. Outstanding Service to the HITK Community, as demonstrated, for example, by: excellent administrative / managerial / professional leadership; exceptional service; the development of effective and innovative administrative, managerial and professional systems; excellence in the servicing of institutional meetings. iv. Outstanding Contribution to Public Service, as demonstrated, for example, by: effective chairmanship or

	membership of boards/commissions/committees/task forces at national or international levels, whether these be in the public sector, the private sector, or other non-governmental sectors that brings distinction to the Institute; transformative advisory services; significant service to professional and scholarly associations, particularly at national or international levels. v. Outstanding Contribution in a combination of two or more of the above areas. **III. PROCEDURAL GUIDELINES** **A. The Application** A written application can be submitted by eligible faculty/staff members. Faculty/staff members can nominate other staff members based on college recognition. The application for an award will include: (1) In case of self-nomination, a first person narrative of no more than 1000 words summarizing excellent performance over the last 5 years in one or more of the core areas. Alternatively, in the case of nominations by peers, person(s) knowledgeable about the candidate's achievements may write the narrative. (2) An updated curriculum vitae. An appendix may be attached containing information as the applicant chooses which sustains and/or supports a claim to excellent performance or professional promise. (3) In case of a nomination for excellence in teaching, the application should be accompanied by comments from colleagues and reports of student assessment of teaching, where available. Alternatively, the assessment committee will obtain the same from the HR department. The application must be submitted prior to the established deadline. **B. Repeat Applications** (i) Repeat applications from persons whose first applications have not been successful, are encouraged. (ii) Repeat applications from persons whose first applications were successful, where the new application is for a different category from the previous award, will be reviewed on merit – without prejudice – as new applications, provided at least 3 years have passed since the earlier award. (iii) Repeat applications from persons whose first applications

	were successful will not be considered if the new application is for the same category. **C. Initiation** An eligible member of faculty/staff who wishes to be considered for an award or faculty/staff members who wish to nominate colleagues, will submit an application to the Registrar, by the established deadline. If not a self-nomination, the Registrar will refer the nominations to the nominees for their input. **D. Selection Process** Step#1: The Registrar will be the first conduit for the processing of applications. The Registrar will be responsible for receiving the applications and submitting the applications for further screening and evaluation. Step#2: The Registrar will submit the application, together with supporting materials, to a Faculty/Administrative Sub-Committee appointed for the purpose. In addition, the Registrar may submit accompanying comments on the applications but will not be required to rank the applicants in any way. Step#3: The Faculty/Administrative Sub-Committee will screen the applications to ensure that all application procedures (including submission of the required documentation) have been fulfilled. If necessary the candidate or person making the nomination should be asked to clarify information presented or provide additional information. This would be in addition to the 1,000-word narrative, which the nominee or the person making the nomination is required to write. It makes a short-list of nominees/applicants and submits this to the Principal. Step#4: The Principal's Advisory Committee will meet to review the recommendations and applications and select the recipients of the award. Step#5: The Office of the Principal will announce the award recipients after ratification by BOG and/or BOT, as appropriate. **E. Announcement of Awards** Awards will be announced publicly in the form of a notification. **F. Awards Ceremony** Awards will be presented at an Award Ceremony organized for this purpose, preferably on the Institute's Foundation day. Evidence of Success:

	Success of this Best Practice has been reflected on the overall activity of the teaching community of the institute in terms of enhanced publication of research papers, quality of teaching as well as participation in the community programme. Problems Encountered and Resource Required. Award for Excellence programme was first implemented in the year 2012. Since then this highly acclaimed programme did not encounter any problem. Increased number of participation of the members of the faculty in this programme evidently shows its great success. Regarding requirement of resources, a committee is formed to look into the details such as budget approvals, inviting nominations, setting up jury, etc. **Best Practice II:** **Title: Reform in Institutional Examination System through Full Proof Moderation of Question Papers by External Academics** **Objectives** Reform in Institutional Examination system deserves a holistic evaluation of its necessity to transform the existing structure with the aim of raising the quality of education. Heritage Institute of Technology Kolkata (HITK) recognizes that its ability to achieve its vision and mission will be highly dependent upon the standard of examination system as well as the performance of its students in their future professional life. In this respect the Institute strongly feels that besides the adaptation of a holistic teaching learning process, a full proof evaluation of the merits of students should be made through a rigorous examination system. **Context** As per UGC and AICTE guidelines evaluation, grading and certification rest on examinations which play an important role in the progression of a learner on the learning path. The examinations not only indicate whether the desired learning outcomes have been achieved but also assess the level of achievements against benchmarks. Thus, examinations serve as checkpoints for both the learner and the external world, allowing appropriate certification to be issued reflecting the proficiency of an individual operating in socio-economic spheres. In order to fulfil the laid down guidelines by the statutory bodies, the Heritage Institute of Technology recognizes the importance of moderation of examination papers by external

	experts at the Semester Examinations as an important quality standard. The moderation will help to maintain a high standard at the semester examinations as well as ensure transparency in the process. **Practice:** **Theory Papers:** Under this classification each theory paper is evaluated on the basis of 100 percentage points, sub-divided into the two categories:(1) End-semester examination: 70 points and (2) Internal Assessment: 30 points. In the end semester examination based on the recommendations of the respective Head of the Department and approved by the Principal, the Controller of Examinations appoints two paper setters for independently framing two sets of question papers in each subject. He also appoints (at least) one senior academician as a moderator from an educational institute of repute whose field of expertise falls in the subject area of the examination paper. The appointed Academics from Institutes of National/International repute conduct the process of scrutiny of examination papers to ensure the consistency of question papers within the framework of the syllabus, thereby ensuring consistency of assessment for all students. Sometimes, a senior person from the industry may also come as a moderator for an applied subject; however, such cases are rare. It also ensures that the weightage within a module is appropriate and conforms to the blueprint and other guidelines issued by the statutory bodies to ensure fairness, accuracy and consistency in marking. The final question paper is prepared from amongst the two above sets by the moderator in presence of the Controller of Examinations. **Functions of the Moderator** The moderator has the right to change / modify / add questions. The moderator shall go through the entire syllabus and ensure that that the questions are set from within the syllabus and that there is no ambiguity in the question, the wording of each question is precise, definite and easily understandable. The moderator shall ensure that the questions have been set from all the modules of the syllabus. The moderator should ensure that the distribution of marks has been done properly keeping in mind the standard of students of high merit as well as that of the students of average merit. The moderator shall ensure that after moderation, the question papers are handed over to the controller of

	examinations in person. • The moderator must take all necessary measures to ensure the security and confidentiality of the examination papers and other material. • Since the appointment of the moderators comes under the official secret act, it is mandatory that the moderators would not disclose their appointment to any person. **Evidence of Success:** The following changes have been observed over time ever since the system of external moderation has been introduced. It may not possible to associate a provable causal relationship between the system and the following effects, but we have nevertheless observed these facts over the last few years. • Success rate of students in examination has been increased after introduction of external moderation system. • Zero complaint regarding the quality of question papers after introduction of external moderation system. • Remarkably less number of re-examination request received from students. • Alertness of members of faculty to cover the entire syllabus of the subject. **Problems Encountered and Resource Required** The programme relating to Reform in Institutional Examination System through Full Proof Moderation of Question Papers by External Academicians adopted by the Heritage Institute of Technology through its office of the Controller of Examinations has not encountered any problem so far. The Institute has its locational advantage. It is surrounded by a number of Educational Institutes and National laboratories like The University of Calcutta, Jadavpur University, Indian Statistical Institute, Indian Institute of Engineering Science and Technology (Shibpur) Indian Institute of Chemical Biology, Central Glass and Ceramic Research Institute to name a few. Indian Institute of Technology, Kharagpur, National Institute of Technology, Durgapur, Central Mechanical Engineering Research Institute, IISER and Maulana Abul Kalam Azad University of Technology, the affiliating university of this Institute are also not far off. Thus appointment of moderators of extremely high eminence has not been a problem so far.