ACADEMIC COUNCIL

HERITAGE INSTITUTE OF TECHNOLOGY, KOLKATA-700107

MINUTES OF THE FOURTEENTH MEETING OF THE ACADEMIC COUNCIL HELD ON MONDAY, 9ᵗʰ JULY, 2018 AT 11:00 AM AT "A" BUILDING CONFERENCE ROOM

Members Present:

1.	Prof. (Dr.) Pranay Chaudhuri	Chairman
2.	Prof. (Dr.) Madhurima Chattopadhyay, HOD (AEIE)	Member
3.	Prof. (Dr.) Srabanti Basu, HOD (BT)	Member
4.	Prof. (Dr.) Tapas Sadhu, HOD (CE)	Member
5.	Prof. (Dr.) Sulagna Chatterjee, HOD (ChE)	Member
6.	Prof. (Dr.) Jayati Datta, HOD (Chem)	Member
7.	Prof. (Dr.) Subhashis Majumder, HOD (CSE) & Dean (UG)	Member
8.	Prof. (Dr.) Prabir Banerjee, HOD (ECE)	Member
9.	Prof. (Dr.) Saibal Dutta, HOD (EE)	Member
10.	Prof. (Dr.) Suparna Chakraborty, HOD (Hum.)	Member
11.	Prof. (Dr.) Tapan Chakrabarti, HOD (IT)	Member
12.	Prof. (Dr.) Sandip Chatterjee, HOD (Math.)	Member
13.	Prof. (Dr.) Sukanta Sarkar, HOD (ME)	Member
14.	Prof. (Dr.) N P Nayak, HOD (Phy) and Dean (Student Affairs)	Member
15.	Prof. (Dr.) Siuli Roy, HOD (MCA)	Member
16.	Prof. Krishanu Datta, Faculty Representative	Member
17.	Prof. (Dr.) Santanu Ghorai, Faculty Representative	Member
18.	Prof. (Dr.) Nirman Ganguly, Faculty Representative	Member
19.	Prof. Kalarab Ray, Member Secretary and Deputy Controller of Examinations	Member

Leave of Absence Granted:

1. Prof. Chandan Mazumdar, Nominee BOG
2. Prof. (Dr.) Chandan Guha, Nominee BOG
3. Mr. Ivan Saha, Nominee BOG
4. Prof. B B Paira, Nominee BOG
5. Prof. (Dr.) Siddhartha Mukherjee, Representative MAKAUT
6. Prof. Debjani Ganguly, Nominee MAKAUT
7. Prof. (Dr.) Nabendu Chaki, Nominee MAKAUT

Special Invitees Present:

1. Prof. (Dr.) S K Barua, Registrar
2. Prof. B R Saha, Controller of Examinations

After granting leave of absence to members as mentioned above, the meeting started.

Welcome by the Chairman

The Chairman welcomed all members to this Fourteenth Academic Council meeting.

Agenda No. 1: Confirmation of the Minutes of the last Academic Council Meeting held on 09-Feb-2018

The minutes of the thirteenth meeting of the Academic Council held on 09-Feb-2018 were confirmed and adopted.

Agenda No. 2: Action Taken Report for the last meeting held on 09-Feb-2018

a) The proposal for "Providing for Facility for Semester-long Project Work for External Students", introducing a facility for semester-long project work at HIT for external students against (a) submission of a "No Objection Certificate" (in a format specified by HIT) from the parent institute, and (b) payment of a non-refundable fee of Rs. 15,000/- to HIT, has been finalized by the Registrar, by incorporating the necessary few more operational details [reference point-2(a) of Minutes of 13th AC Meeting held on 09-Feb-2018].

b) The name of Mr. Sanjib Mukhopadhyay, Technical Director & Head, Engineering, M N Dastur & Co (P) Ltd, has duly been included as the Industry Representative in BOS of Chemical Engineering Department, in place of Mr. Siddhartha Sengupta (who has resigned from Vikram Solar) [reference point-5(b) of Minutes of 13th AC Meeting held on 09-Feb-2018].

Agenda No. 3: Consideration of a Proposal for providing Facility for Semester-long Project Work for External Students

The finalized proposal was shared with the Council members and was duly approved [reference point-2(a) above].

Agenda No. 4: Consideration of the recommendations of the Boards of Studies (BoS) of the following degree-awarding departments regarding course structures for the various B Tech and M Tech programmes and detailed syllabi for 1st Year: Applied Electronics and Instrumentation Engineering (AEIE), Biotechnology (BT), Civil Engineering (CE), Chemical Engineering (CHE), Computer Science and Engineering (CSE), Electronics and Communication Engineering (ECE), Electrical Engineering (EE), Information Technology (IT), and Mechanical Engineering (ME)

The curricular structures for the various B Tech and M Tech programmes and detailed syllabi for 1st Year of these programmes were discussed by the Council members in light of distribution of Credits across various Course Types for all the above B Tech programmes, in comparison with the suggestions from AICTE.

a) It was decided to include the following table as part of the Course Structure for all B Tech programmes.

Sl. No.	Course Type	AICTE Suggested	AEIE	BIOT	CIVL	CHEN	CSEN	ECEN	ELEC	INFO	MECH
1.	Humanities and Social Sciences including Management Courses	12	12	12	12	12	12	12	12	12	12
2.	Basic Science Courses	25	23	26.5	21	22	23	26	23	23	27
3.	Engineering Science Courses including Workshop, Drawing, Basics of Electrical / Mechanical / Computer, etc.	24	27	27.5	26	27	30	26	29	28	23
4.	Professional Core Courses	48	54	49	57	55	51	52	52	53	51.5
5.	Professional Elective Courses relevant to chosen Specialization / Branch	18	15	16	15	15	15	15	15	15	17.5
6.	Open Subjects – Electives from other Technical and/or Emerging Subjects	18	12	12	12	12	12	12	12	12	12
7.	Project Work, Seminar and Internship in industry or elsewhere	15	17	17	17	17	17	17	17	17	17
8.	Mandatory Courses (Non-credit) [Environmental Sciences, Induction Program, Indian Constitution, Essence of Indian Traditional Knowledge]	0	0	0	0	0	0	0	0	0	0
	Total	160	160	160	160	160	160	160	160	160	160
9	Honours Courses	20	20	20	20	20	20	20	20	20	20
	Grand Total	180	180	180	180	180	180	180	180	180	180

b) It was decided to include, in the Course Structure for every B Tech programme, a Semester-wise Honours Credit Chart, together with a Total Honours Credit (20), as shown below.

Honours Credit Chart

Sl. No.	Semester	Paper Code	Course Title	Contact Hours / Week			Credit Points
				L	T	P	
	1st						
	2nd						
	3rd						
	4th						
	5th						
	6th						
	7th						
	8th						,
	Total						20

Definition of Credit (as per AICTE):
- 1 Hour Lecture (L) per Week = 1 Credit
- 1 Hour Tutorial (T) per Week = 1 Credit
- 1 Hour Practical (P) per Week = 0.5 Credits
- 2 Hours Practical (Lab) per Week = 1 Credit

Range of Credits (as per AICTE):
- ✓ A total of 160 credits will be necessary for a student to be eligible to get B Tech degree.
- ✓ A student will be eligible to get B Tech degree with Honours if he/she completes an additional 20 credits. These could be acquired through various Honours Courses offered by the respective departments.
- ✓ A part or all of the above additional credits may also be acquired through MOOCs. Any student completing any course through MOOC will have to submit an appropriate certificate to earn the corresponding credit.
- ✓ For any additional information, the student may contact the concerned HODs.

c) It was decided that:
   1) Honours Credits will <u>not</u> be considered for DGPA computation.
   2) Only "Pass" or "Fail" will be mentioned in Grade Card for all Mandatory Non-credit Courses as well as for any MOOC.
   3) Mandatory Non-credit Courses will be evaluated like all other courses being offered by the respective departments.

After due deliberations, the curricular structures for the various B Tech and M Tech programmes, and the detailed syllabi for 1st Year of these programmes were approved by the Council, subject to a few minor changes (with respect to use of uniform paper codes, rationalised paper names, proper classification / grouping of papers, and inclusion of any missing Course Objectives, and/or Course Outcomes for any paper).

Agenda No. 5: _Consideration of the results of Even Semester Examinations 2018 held in May-Jun-2018 for the following: B Tech 2nd Semester, B Tech 8th Semester, and M Tech 4th Semester_

The analysis of the results, compiled by the Controller of Examinations (CoE), was presented in PowerPoint form; also a printed booklet, titled "Result of 2nd Semester & 8th Semester B. Tech and 4th Semester M. Tech Examinations, 2018", was distributed to all members for ready reference. After due deliberations, the results for the following programmes were approved by the Council:

✓ **B Tech** – for all students of 1st Year (2nd Semester), and 4th Year (8th Semester) for following streams: AEIE, BT, CE, CHE, CSE, ECE, EE, IT, and ME

✓ **M Tech** – for all students of 2nd Year (4th Semester) for following streams: AEIE, BT, CSE, ECE, RE (offered by CHE Department), and VLSI (offered by ECE Department)

Agenda No. 6: _Miscellaneous_

None

There being no other item in the agenda, the meeting ended with a vote of thanks to the Chair.

Prof. (Dr.) Pranay Chaudhuri
Chairman
Academic Council

Prof. Kalarab Ray
Member Secretary
Academic Council