

Department of Biochemical Engineering and Biotechnology
Faculty Board Meeting (04/2017-18)

May 6, 2018

The 4th Departmental Faculty Board Meeting of 2017-18 was held on 20th April 2018 at 3:00 pm in the Departmental Committee Room (I-230). The following members were present:

1.	Prof. Atul Narang	Chairman
2.	Prof. T.R. Sreekrishnan	Member
3.	Prof. A.K. Srivastava	Member
4.	Prof. Prashant Mishra	Member
5.	Prof. Shilpi Sharma	Member
6.	Prof. Ritu Kulshrestha	Member
7.	Prof. Preeti Srivastava	Member
8.	Prof. Ravikrishnan Elangovan	Member
9.	Prof. G. P. Agarwal	Special Invitee
10.	Prof. Z. Ahammad	Member
11.	Prof. Ashish Misra	Convener

Item No. 1. Confirmation of minutes of 3rd DFB (2017-18) and last special meeting

The faculty board deferred the confirmation of minutes to the next DFB to allow the discussion of current agenda items.

Item No. 2. Matters arising from the above meeting

This was deferred to the next DFB.

Item No. 3. Request for space in Bioprocess Lab from Prof. G. P. Agarwal

The HOD informed the board of Prof. G. P. Agarwal's request to keep his equipment in the Bioprocess lab until September, 2018 (rather than March, 2018, which had been approved earlier). The DFB approved this request. Subsequently, Prof. Z. A. Shaikh requested additional space in view of the large number of project staff working on his projects, and the low lab area (485 sq ft in Metagenomics lab) allocated to him. The DFB recommended that during the course of these funded projects, the enclosed office space (currently occupied by WWTL students) and the bench space of the Pilot Plant is allocated to Prof Shaikh.

[Action: Profs. AN, GPA, ZAS]

Item No. 4. Budget for 2018-19

The HOD shared the proposed departmental budget for planned and non-planned grant with the board as a [google spreadsheet](#) [Annexure 1]. The HOD recommended allocating Rs 50 lakhs of the planned budget for teaching lab equipment. The remaining amount of 50 lakhs would be given as matching grants to faculty based on external funds procured by them between 20th April and 30th October 2018.

Item No. 5. Institute post-doc recruitment

The HOD informed of the Director's desire to see multiple post-docs hired under the Institute post-doc program. The board recommended that the entire list of postdoc applicants be made available to all faculty members, after which the postdoc faculty mentor will coordinate shortlisting and selection of postdocs.

[Action: Prof. SS]

Item No. 6. Discussion of class committee meetings

The convener shared with the board the minutes of class committee meetings for the 2013-2016 batches [Annexure 2] of which the minutes for the 2013 and 2014 batches were discussed in detail.

For the 2013 batch, the mid-term MTP evaluation of students was discussed by the board. The board recommended that the faculty members who were not present during the mid-term evaluations should reevaluate the students and grade them. Of the other MTP students who had sent request to the HOD for reconsideration of grades, Kshitij Rai's case was the only one the board thought worthy of reconsideration. However, since none of the committee members gave him an A grade in his mid-term evaluation, the board recommended that his request for grade reconsideration be turned down.

The 2014 batch had raised issues of overlap between some of their courses and adding some topics/courses to the syllabus. The board recommended that the departmental Curriculum Review & Development committee look in to this in detail and provide recommendations for the consideration of the DFB

[Action: Profs. AN, SN]

Item No. 7. Application from Dr. Nidhi Dubey (DST Inspire) for department position

The HOD informed the board of the application of Dr. Nidhi Dubey as a DST Inspire faculty in the department and sought the views of the board on this. There was no consensus regarding this and hence the board deferred the discussion. The HOD recommended that the issue of hiring post-doc and faculty on external fellowship grants be taken up in detail in the next DFB.

Item No. 13. Any other items

None

Ashish Misra
Convener, DFB

Distribution

All DBEB faculty by email

Cc: Office file

Annexure 1 - Planned

Purchase of Equipments/Capital Assets Creation/ Renovation of existing facilities				
S. No.	Nature of Expenses	Unit cost	Total Cost	Recommended by
A Purchase of equipment				
UG lab				
	4 Minispins	₹62,500	₹2,50,000	PS
	2 Refrigerated Table top centrifuges	₹4,40,000	₹8,80,000	PS
	25 Pipettes	₹10,000	₹2,50,000	PS
	1 Microwave	₹15,000	₹15,000	PS
	1 Transilluminator	₹68,375	₹68,375	PS
	GC with FID and TCD	₹6,00,000	₹6,00,000	
Bioprocess lab				
	8 Peristaltic Pumps	₹1,72,200	₹13,77,600	AN
	4 Gas Analyzers	₹2,09,476	₹8,37,904	AN
	4 Mass flow controllers	₹50,700	₹2,02,800	AN
	Secondary electronics and software for MFCs	₹27,166	₹1,63,000	AN
	4 Desktop PCs	₹50,000	₹2,00,000	AN
	AD/DA terminal & PCI with cable	₹90,000	₹90,000	AN
	Water demineralization unit	₹1,00,000	₹1,00,000	AN
	Repair of Waters Breeze HPLC (power supply, RI detector)	₹5,00,000	₹5,00,000	AN
	GC with FID and TCD	₹6,00,000	₹6,00,000	
	Cameras and accessories for CCTV	₹50,000	₹50,000	
Instrumentation Lab				
	Repair and AMC of Applied Biosystems LC-MS		₹15,00,000	ZAS
	Autosampler and AMC for Dionex IC		₹15,00,000	ZAS
	Repair of Elemental Analyzer		₹1,20,000	ZAS

B	Creation of capital assets			
	UG lab			
	20 cupboards for UG lab	₹12,000	₹2,40,000	RE
	Bioprocess lab			
	5 benches for bioreactors	₹15,000	₹75,000	AN
	30 stools	₹2,500	₹75,000	AN
	Stores office			
	4 visiting chairs	₹5,000	₹20,000	AN
	3 chairs for employes	₹5,000	₹15,000	AN
	1 new table and renovate 2 tables	₹35,000	₹35,000	AN
C	Renovation of existing facilities			
	Rewiring UPS power lines in department		₹2,00,000	ZAS
C	Plant cell culture lab			
	Repair of refrigerated Centrifuge		₹2,50,000	AKS
	Repair of Julabo Chilled water circulator		₹1,00,000	AKS
	Repair of Thermo Chilled water circulator		₹50,000	
			₹61,84,679	

Annexure 1 - Non-planned

Request for Funds for the year 2018-19			
Recurring Expenses			
S. No.	Nature of Expenses	Total Cost (INR)	Remarks
	UG lab		
1	Chemicals, plasticware, enzymes	₹13,00,000	
2	General maintenance (duster, detergent, hand wash, colin, etc)	₹20,000	
	Bioprocess lab		
3	Chemicals, plasticware	₹2,00,000	
4	AMC for 2 Waters HPLCs	₹1,00,000	
5	General maintenance (duster, detergent, hand wash, colin, etc)	₹20,000	
	Instrumentation lab		
6	AMC for 3 HPLC and 1 GC of Agilent make	₹1,50,000	
7	Spare parts of CHNS analyzer	₹1,50,000	
8	Chemicals used in mobile phase for HPLC	₹1,00,000	
9	Gases for GC without GCMS	₹80,000	
10	Other consumables for instruments like GC septa, frit, etc)	₹50,000	
11	General maintenance (duster, detergent, hand wash, colin, etc)	₹20,000	
	Office expenses	₹1,50,000	
	Includes stationery, photocopying, examiner fees, beverages,)		
	Contingency for spare parts and instrument repair	₹7,00,000	
		₹30,40,000	

Annexure 2

Subject: Re: Class Committee Meetings

From: Ashok Srivastava <ashokiitd@hotmail.com>

Date: 3/8/2018 4:22 PM

To: zia <zia@iitd.ac.in>, "ashishmisra@dbeb.iitd.ac.in" <ashishmisra@dbeb.iitd.ac.in>, "sarojm@dbeb.iitd.ac.in" <sarojm@dbeb.iitd.ac.in>, saroj mishra <saroj98@hotmail.com>, Atul Narang <anarang@dbeb.iitd.ac.in>

Dear All

Minutes of the class committee meeting held on 6th March 2018 for 2013 batch dual degree students

Following faculty members were present –

1. Prof Atul Narang, HOD
2. Prof Saroj Mishra
3. Prof AK Srivastava

The students raised the concern over evaluation procedure of MTP projects and major discrepancy in the awarded grades to the class. Concerns were also raised about the supervisor (s) not present in the evaluation conducted on 16.2.18 It was pointed out that some students are allotted the supervisor & project which they do not like at all. In general the class representatives requested that department should look at the evaluation procedure of MTP in totality and evolve a transparent procedure.

After hearing the concerns of students Prof Narang suggested that it is not realistic to look at the modifications of the grading procedure as this is the last batch where in there are large number of students. From next year very few students will be doing the projects and it may be possible to involve all the faculty members for evaluation. However certain cases can be reviewed by the department where in one of the committee member/supervisor was on leave or there is a large variation in the grades given by the different committee members, or due to any other reason particularly for students who have been awarded B grade or less. For consideration under this clause, the student has to send a request to the Head of the department.

The class representatives of 2013 batch did not raise any other concern than above.

From: zia <zia@iitd.ac.in>

Sent: Friday, March 2, 2018 10:21 AM

To: DBEB2013@dbeb.iitd.ac.in

Cc: sarojm@iitd.ac.in; 'Ashok Srivastava'

Subject: Class Committee Meetings

Dear All,

Please come to attend the class committee meeting on 6th March (Tuesday) at 2 PM in the departmental Seminar Room.

Thanks,

Zia

Subject: Report on Class Committee meeting of 2014-entry students....

From: D Sundar <D.Sundar@dbeb.iitd.ac.in>

Date: 3/11/2018 5:27 PM

To: Atul Narang <narang.at@gmail.com>

CC: DBEB Faculty <dbeb_faculty@dbeb.iitd.ac.in>, DBEB Faculty Emeritus <dbeb_emeritus@dbeb.iitd.ac.in>

Dear Atul,

Here are my notes from the Class Committee Meeting with 2014-entry students -

- Faculty present - Profs. Atul Narang, GP Agarwal, D. Sundar

- Meeting happened on March 07, 2017 @ 4 pm in the Committee Room

- Feedback obtained from students:

- 1). Overlap in BBL 341 (Environmental Biotechnology) and BBL 742 (Biological Waste Treatment)
- 2). Overlap in CLL 122 (Chemical Reaction Engineering CRE-1) and BBL 331 (Bioprocess Engineering)
- 3). Students are skipping CLL 122 course in the previous semester before doing the BBL 331 course in the next semester.
- 4). BBL431 (Bioprocess Technology) has a requirement of only 25 earned credits listed in the Course Template; no other core course is listed as a pre-requisite to register for this course. Because of this reason, students are taking this course earlier in the 4th semester and not wait till the 6th semester as originally scheduled in our course outline.
- 5). Students are facing difficulty in MTL102 (Differential equations) course. Moreover, students are required to do the CLL110 (Transport Phenomena) course in the previous semester before doing the MTL102 course according to the course schedule.
- 6). Students were wondering if they can be allowed to do any Applied Statistics course instead of MTL102.
- 7). If possible, can MATLAB/Mathematica be incorporated in any course?

Since the 2014-entry students would be the first graduating 4-year B.Tech batch from our department, this feedback is very important for us to take it seriously and see how this can be fixed.

I have also asked the students to send us any other feedback that they have on our overall B.Tech program. I shall send it to you as and when I receive them.

-Sundar

**Department of Biochemical Engineering and Biotechnology
Indian Institute of Technology Delhi**

Dated: 6th March 2018

A meeting of 2015 entry students of departmental Dual Degree course was held today on 6th March 2018 at 1.00 pm to elect Class Committee Coordinator and Group Representatives. The following students were elected:

(i) Group Representatives:

Group 3 Prince Agrawal
Group 4 Asmita Pahade

Entry Number 2015BB10051
Entry Number 2015BB10046

(ii) Class Committee Coordinator

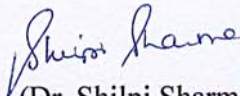
Arnav Karan

Entry Number 2015BB10029

The constitution may kindly be noted.



(Prof. V S Bisaria)
Chairperson



(Dr. Shilpi Sharma)
Convenor

Class Committee, Entry year 2015

Through: Head, DBEB

AR (Academic section)

**Department of Biochemical Engineering and Biotechnology
IIT Delhi**

7th March 2018

A meeting of the 2016 entry departmental students was held today, 7th March 2018, in the head's office. The following faculty members were present

1. Prof. Atul Narang (Chairman)
2. Prof. T.R. Sreekrishnan (Member)
3. Prof. Ashish Misra (Convener)

The class CR Jivesh Madan raised the issue of non graded units in the departments for work done outside the department. He was informed that this could not be done by the departmental NGU committee because they do not have the expertise to evaluate these. However, there was an inter-institute committee to which such projects would get referred for NGU credits.