

Department of Biochemical Engineering and Biotechnology

Dated: 17th September 2012

Minutes of the 2nd Departmental Faculty Board Meeting (2012-2013) held on 12th September 2012 at 3.30 p.m. in the Departmental Committee Room (I-230). Following members were present:

1.	Prof. T. R. Sreekrishnan	Chairman
2.	Prof. Subhash Chand	Member
3.	Prof. V. S. Bisaria	Member
4.	Prof. G. P. Agarwal	Member
5.	Prof. Saroj Mishra	Member
6.	Prof. A. K. Srivastava	Member
7.	Prof. P K Roychoudhury	Member
8.	Prof. Prashant Mishra	Member
9.	Dr. Atul Narang	Member
10.	Dr. Ritu Kulshreshtha	Member
11.	Dr. Ravikrishnan Elangovan	Member
12.	Dr. Preeti Srivastava	Member
13.	Dr. Praveen Kaul	Member
14.	Dr. Shilpi Sharma	Member Convenor

1. Confirmation of the DFB Minutes No. 1 (2012-2013) held on 27th July 2012

The minutes were confirmed as circulated as there were no comments received on the same.

2. Matters arising out of above meeting

Item no 2

• The minutes of DBT Advisory Committee meeting held on 20th July 2011 were confirmed as circulated earlier (Annexure I) as no comments were received on the same. Head was requested to communicate the minutes to DBT at the earliest.

(Act: Head, DBEB)

- Dr Elangovan presented the tentative structure (prepared by himself and Dr Kaul) of the proposed annual departmental symposium (Refresher course on Biocatalysis, 2013). The tentative slot for the same was put forth as three days in February 2013 (during Minor I). Faculty members were requested to suggest names of experts in the areas for lectures during the course. **(Act: All faculty)**

3. Offering of Courses for the next Semester (Semester II, 2012-2013)

The names of course coordinators were decided as in Annexure II. Time table I/c was requested to upload the date accordingly. Decision on other faculties associated with courses was deferred till information on course registration is obtained so as to have equitable distribution of teaching load. **(Act: Time table I/c)**

4. Note received from Dean (Faculty) regarding identification of reputed journals in various areas of specialization of the department.

All faculty members were requested to send a list of five reputed journals in their respective areas of expertise, to the Convenor (DFB) for compilation, latest by 20th September 2012. **(Act: All faculty)**

5. Note received from Registrar requesting list of specific training needs (for non-teaching staff) of the department

Head requested all faculty members to suggest specific training needs of non-teaching staff of the department so that the same may be communicated to the Registrar for creation of a central data base and further appropriate action to organize the same. **(Act: All faculty)**

6. Note received from Deputy Director (Operations) requesting organization structure of the department and the delegation of power.

The note received from Deputy Director (Operations) requesting organization structure of the department and delegation of power could not be taken up for discussion as it was not clear to the board as to what the requirement is. Head was requested to clarify the same with DD (Operations). **(Act: Head)**

7. Feedback on note received from Registrar regarding time schedule prepared for service to be delivered by various sections.

It was decided to put the note received from Registrar in the Faculty Lounge (Office annexe) for all faculty to go through it and offer suggestions. **(Act: All faculty)**

8. Development of UG teaching lab in the ground floor of Pilot Plant.

A sub-committee comprising of Prof Saroj Mishra, Dr Atul Narang, Dr Ravikrishnan Elangovan and Dr Preeti Srivastava was constituted to plan and execute the development of ground floor of Pilot Plant into UG teaching lab.

9. Reconstitution of Institutional Biosafety Committee (IBSC) as per DBT's mandate.

As per DBT's mandate Institutional Biosafety Committee was proposed as follows:

Chairperson	Director, IIT Delhi
Member Secretary	Dr Preeti Srivastava, DBEB
Members	Prof Saroj Mishra, DBEB Prof S K Khare, Dept of Chemistry Dr B. Kundu, SBS
Outside Expert in the area	Prof Rakesh Bhatnagar, JNU
Medical Officer / Biosafety officer	CMO, Hospital, IIT Delhi / CMO's nominee.

After Director's approval, Member Secretary can go ahead with the formalities.

(Act: Member Secretary, IBSC)

10. Comments / feedback on proposal to float new elective course by the Department of Humanities and Social Sciences (HUL702 Media and National Imaginary)

No comments were received on the course proposal.

11. Comments / feedback on proposal to float new elective courses by the Department of Civil Engineering (CEL846: Airport Planning and Design, CEL847: Viscoelastic Behaviour of Bituminous Materials, CEL780: Formwork for Concrete Structures).

No comments were received on the course proposals.

12. Space utilization / development in the department.

Prof A. K. Srivastava informed the board that Room No 231 is almost ready to be used as an extension of Instrumentation Lab, once it is fitted with air conditioner.

13. Any other item with the permission of the Chair.

- Head informed the board that Dr Atul Narang has been nominated as a departmental representative in the Institute's Safety Committee.
- Dr Ritu Kulshreshtha was nominated by the board as departmental representative in the Institute's Committee of Faculty Affairs.
- The board was updated on the schedule for Class Committee meetings (11 – 17th September 2012) as per notification received from AR (UGS).
- As per note received from Deputy Director (Operations), Head requested all faculty members to remove any Inventory item from Dumped Material if it has not been written off. The items left as Dumped Material will be cleaned up after 21st September 2012.
- Head apprised the board of the agenda notes of 126th Executive Committee Meeting of the Senate held on 07.09.2012. The faculty requested the Head to take up the issue of the recently adopted diversion in traffic inside the Institute in the next Executive Committee of meeting of the Senate.
- DRC for the session 2012-2013 was constituted as follows:

Chairperson	Prof Prashant Mishra
Convenor	Dr Atul Narang
Members	Prof. T. R. Sreekrishnan, Head, DBEB
	Prof. V S Bisaria
	Prof Saroj Mishra
	Dr D Sundar
	Dr Shilpi Sharma
	Dr Ritu Kulshreshtha

Head was requested to communicate the same to Deputy Registrar (PGS&R) before the expiry of the present DRC (i.e. 30th September 2012). **(Act: Head)**

- With respect to a note received from Dean Academics seeking inputs on implementation of the New Undergraduate Curriculum, as Special DFB meeting was scheduled for 26th September 2012 at 3.30 pm the departmental committee room.

The meeting ended with a vote of thanks to the Chair.

Shilpi Sharma
Convenor

All Faculty members

Annexure-I

Department of Biochemical Engineering & Biotechnology

Indian Institute of Technology Delhi

The minutes of the meeting of the Advisory Committee for DBT (Govt. of India) supported PG program In Biochemical Engineering & Biotechnology.

The meeting was held on July 20, 2011 at 1000 hr in the Board Room of IIT Delhi. The list of the members present in the meeting is enclosed ().

After a brief introduction of the members present in the meeting, the Chairman (Director, IIT Delhi) in his opening remarks highlighted the history of the Biochemical Engineering & Biotechnology activities at the institute and acknowledged the support received from DBT for various activities. This was followed by a brief presentation By Prof. Subhash Chand (Acting Head, DBEB) summarizing the key achievements of the academic programs offered by the Department. He emphasized on the introduction of a new course: Molecular Cell Biology by the department for all the UG engineering students of the Institute, as a follow up of the recommendations of the last meeting.

During the discussion session, the members raised issues, which are summarized below:

1. Dr. Qazi stated that the budgetary projection for the Department is too low. It was clarified that the proposed budget covers only the PG part of the teaching program, which is under review here.
2. Dr. A.K. Panda (also an alumnus) remarked that the Department has been losing leadership in the R&D program in industrial biotechnology. He emphasized on a strong need for setting up a few Centers of excellence at the Department. He also suggested including a course pertaining to GMP and regulatory issues to reflect the developments in new biotechnology. It was informed that such topics are already covered in one of the existing course and a full new course lacks feasibility.
3. Shri Prashant Tewari suggested for an effective networking of the Department with Industry and to develop platforms for bench scale research.
4. Some of the members expressed a serious concern on the external grants received and publications emerging from the Department. Chairman advised the Department Head to have a re-look in the data presented and submit the updated figures in the report to DBT.

After the meeting, the external members of the Advisory committee visited some of the teaching and research laboratories and reassembled in the Committee Room, where they interacted with the PG students to determine their most pressing needs. The students mainly emphasized on the inadequate laboratory infrastructure and non-availability of some of the analytical equipment in multiple numbers. Also, some of the old equipment were often not in running condition and needing up-gradation. The Committee strongly recommended for providing adequate funds to overcome these problems and Department faculty to take an urgent action in this regard.

The meeting ended a vote of thanks to the Chair.

Subhash Chand
Professor, DBEB

Annexure-I

List of the members present:

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|---|-------------|
| 1. Prof. Surendra Prasad
(Director, IIT Delhi) | Chairman |
| 2. Prof. M. Balakrishnan
(Dy. Director Faculty, IIT Delhi) | Co-Chairman |
| 3. Prof. Rakesh Bhatnagar
(School of Biotechnology, JNU) | Member |
| 4. Dr. G.N. Qazi
(V.C. Jamia Hamdard) | Member |
| 5. Dr. A.K. Panda
(Sr. Scientist, NII) | Member |
| 6. Shri Prashant Tewari
(M.D. USV Ltd. Mumbai) | Member |
| 7. Dr. Sharmila Mande
(TCS Hyderabad) | Member |
| 8. Dr. Suman Govil
(DBT, GOI) | Member |
| 9. Prof. Subhash Chand
(DBEB, IIT Delhi) | Member |
| 10. Prof. G.P. Agarwal
(DBEB, IIT Delhi) | Invitee |
| 11. Prof. Saroj Mishra
(DBEB, IIT Delhi) | Invitee |
| 12. Prof. A.K. Srivastava
(DBEB, IIT Delhi) | Invitee |
| 13. Prof. Sunil Nath
(DBEB, IIT Delhi) | Invitee |
| 14. Dr. Atul Narang
(DBEB, IIT Delhi) | Invitee |

Annexure II

Slot	Course No.	Description	L-T-P	Credit	Coordinator/ Associated Faculty
B	BEL102	Bioprocess Calculations	3-1-0	4.0	PKRC
D	BEL110	Molecular Cell Biology	3-0-0	3.0	PM / SS
F	BEL204	Molecular Biology & Genetics	3-0-3	4.5	RK
H	BEL302	Fluid Solid Systems	3-0-0	3.0	GPA
E	BEL401	Bioprocess Technology	2-0-0	2.0	VSB
D	BEL311	Physical and Chemical Properties of Biomolecules (DE-1)	2-1-0	3.0	RE
D	BEL421	Metabolic Regulation and Engineering (DE1)	3-0-0	3.0	JG / VSB
C	BEL411	Food Science and Engineering (DE2)	3-0-0	3.0	SC
C	BEL419	Enzyme-catalyzed Organic Synthesis (DE2)	2-0-2	3.0	PK
H	BEL418	Bioinformatics (DE3)	2-0-2	3.0	DS
B	BEL702	Bioprocess Plant Design	3-0-4	5.0	TRS
F	BEL703	Downstream Processing in Biotechnology	3-0-4	5.0	SN
D	BEL711	r-DNA Technology (PE1)	2-0-4	4.0	SM
D	BEL712	Plant Cell Technology (PE1)	2-0-2	3.0	AKS / SS
E	BEL713	Microbial Engineering (PE2)	3-0-0	3.0	AN
E	BEL721	Bionanotechnology (PE2)	3-0-0	3.0	PM
H	BEL718	Combinatorial Biotechnology (PE3)	3-0-0	3.0	PS
P	BES350	Independent Study (BB)	0-3-0	3.0	VSB
E	BER350	Professional Practices (BB)	0-1-2	2.0	VSB
P	BEC750	Seminar (BB)	1-0-0	0.0	DS
P	BED800	Major Project	0-0-80	40.0	AN
P	BED851	Major Project Part 1 (BB)	0-0-12	6.0	RK
P	BED852	Major Project Part 2 (BB)	0-0-28	14.0	RK
P	BED854	Major Project Part 2 (BB)	0-0-32	16.0	RK
P	BET450	Practical Training (BB)	0-0-0	0.0	AN / DS