

Department of Biochemical Engineering and Biotechnology

Dated: 31st July 2012

Minutes of the 1st Departmental Faculty Board Meeting (2012-2013) held on 27th July 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. V. S. Bisaria	Member
3.	Prof. G. P. Agarwal	Member
4.	Prof. Saroj Mishra	Member
5.	Prof. A. K. Srivastava	Member
6.	Prof. Sunil Nath	Member
7.	Prof. P K Roychoudhury	Member
8.	Prof. Prashant Mishra	Member
9.	Dr. Atul Narang	Member
10.	Dr. D. Sundar	Member
11.	Dr. Ritu Kulshreshtha	Member
12.	Dr. Ravikrishnan Elangovan	Member
13.	Dr Preeti Srivastava	Member
14.	Dr. Shilpi Sharma	Member Convenor

1. Confirmation of the DFB Minutes No. 7 (2011-2012) held on 21st March 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 drafted by Prof. Subhash Chand and Dr. Atul Narang as per Annexure I. Inputs was sought from all faculty members.

(Act: All Faculty members)

- Dr Elangovan was requested to form a sub-committee to come up with concrete points on the proposed annual departmental symposium to be organized at the level of faculty. The same may then be put forth the DFB for deliberation. **(Act: Dr RE)**

3. Registration of students for courses offered in current semester.

As the number of students registered for BEL417 (Biophysics) was less than the minimum required for running a course, the same was dropped. In view of this, Prof Sunil Nath was allotted the entire course, BEL820: Downstream Processing (Semester I, 2012-2013).

4. Allotment of TAs for courses offered in current semester.

TAship was allotted to Ph.D. students and final year students of Dual Degree as per Annexures II a and b.

5. Note received from Dean Faculty regarding recruitment of faculty in US.

Head informed the Board that a note has been received from Dean (Faculty) regarding initial information about prospective applicants and universities (in US) where they are working for possibility of interview in the first half of October 2012. Inputs were invited from all faculty members.

6. Note received from Dean Infrastructure (former Chairman E&W) regarding construction of Engineering Block II at the institute.

A sub-committee comprising of Prof. G. P. Agarwal (Chairman), Prof. Sunil Nath and Dr. Atul Narang was constituted to look into the floor plans of the proposed Engineering Block II at the institute (sent by Dean Infrastructure) and provide inputs.

7. Nomination for FITT Awards for the best Industry relevant Ph.D. and M.Tech. / M.Tech (Dual Degree) / M. S. (Research) projects.

M. S. (Research) work of Mr Sajan Agarwal (2009BEY7523) was nominated for FITT Award for the best Industry relevant M. S. (Research) projects. His supervisor, Prof. A. K. Srivastava, was asked to proceed with the formalities in the prescribed format as the deadline for the nominations to reach Dy. Registrar (PGS&R) is 3rd August 2012. **(Act: Prof AKS)**

8. Budget allocation for 2012-2013 for the department.

Head apprised the board that a sum of Rs 65 Lakhs has been approved by the Institute under “Plan” Head, while the approved recurring grant is Rs 25 Lakhs for 2012-2013. Allocation of the non-recurring fund was decided as per Annexure III. The faculty members responsible for purchase of the items were requested to complete the formalities latest by 31st October 2012 failing which the sum allocated will be transferred for purchase of other pending items.

Head re-emphasized that the Institute approved recurring grant should be strictly used for expenses towards teaching, and research activities of MTPs and departmental Ph.D. students only.

9. Briefing by Head on meeting of HODs with Deputy Director (Operations).

Head informed the board that Deputy Director (Operations) in his meeting with HODs has principally agreed to enhance the Imprest fund for departments.

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

- Prof. V. S. Bisaria informed the board that he and Dr Ravikrishnan have mutually agreed to swap 1/4th of BEL719 and BEL810 in Semester I, 2012-2013. **(Act: Time Table I/c)**

- The following faculty members were assigned duties as per the requirements of the new scheme of academic monitoring and advising:

Entry year	Chairperson	Convenor	Member
2009	Dr. Atul Narang	Dr. D. Sundar	Prof. Sunil Nath
2010	Prof. Prashant Mishra	Dr. Shilpi Sharma	Prof. A. K. Srivastava
2011	Prof. Saroj Mishra	Dr. Ravi Elangovan	Dr. Praveen Kaul
2012	Prof. G. P. Agarwal	Dr. Preeti Srivastava	Prof. V. S. Bisaria

Special Advisor for students on probation: Dr Ritu Kulshreshtha.

- The Head informed the board of a note received from Coordinator QIP / CEP / OCDC inviting proposals for Short term / long term workshops, development of teaching aids and software, writing of text books and monographs, and preparation of CDs and transparencies and course materials.
- Laboratories were allotted to Final Year Dual Degree students for their MTP as per Annexure IIb.

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 IIa

List of Ph.D. students for TAship (Sem I, 2012-2013)

S. No.	Name (Entry No.)	Course / Faculty
1	Geeta (2008BEZ8283)	BEL413 & Process Lab
2	Guneet Kaur (2008BEZ8285)	BEL413 & Process Lab
3	Satyendra Singh (2009BEZ8510)	BEL103
4	Rashi Gupta (2009BEZ8092)	BEL103
5	Dhara Thakore (2009BEZ8512)	Plant Cell Culture Lab (I-24)
6	Surajbhan Sevda (2009BEZ8096)	BEL715
7	S. Bhuvanesh (2009BEZ8507)	BEL715
8	Neha Nagpal (2009BEZ8509)	BEL412
9	Tenzin Kenzom (2009BEZ8511)	BEL714
10	Swati Shalini (2010BEZ8163)	Plant Cell Culture Lab (I-27)
11	Shilpi Jain (2010BEZ8159)	BEL101 (Lab)
12	Shraddha Maitra (2010BEZ8762)	BEL 850
13	Surbhi Goel (2010BEZ8763)	BEL101 (Lab)
14	Premnath S. (2010BEZ8764)	BEP303
15	Ritesh Aggarwal (2010BEZ8846)	BEP840 (Lab)
16	Akanksha Mehrotra (2011BEZ8222)	BEP303
17	Anamika Chouhan (2011BEZ8228)	BEL 850
18	Shayoni Dutta (2011BEZ8194)	BEL110
19	Neeti (2011BEZ8424)	BEL101 (Tut)
20	Tushar Dash (2011BEZ8420)	BEL403
21	Rahul Agrawal (2011BEZ8421)	BEL412
22	Khusboo Rastogi	BEL719
23	Anveshika Aditya (2011BEZ8423)	Plant Cell Culture Lab (I-25)
24	Sunil Nagpal (2011BEY7538)	Plant Cell Culture Lab (I-25)

All other Ph.D. students will be assigned duties by their respective lab in-charges / thesis supervisors.

Annexure IIb

Allotment of Lab and TAsip to Final Year students (Dual Degree), Sem I (2012-2013)

S.N	Name	MTP Supervisor / Lab allotted	Course / Faculty (for TAsip)
1	Jyoti Adlakha	PS / RNA I	PS
2	Meet Singhal	PS / RNA I	PS
3	Kriti Gupta	PS / RNA I	PS
4	Sahil Chachan	PS / RNA I	PS
5	Sukriti Gupta	SS / Metagenomics	BEL103
6	Chirag Arora	SS / Process Lab	SS
7	CSS Pavan	AN / RNA II	BEL103
8	Pawan Samdani	AN / RNA II	AN
9	Krishna Chaudhury	AN / RNA II	BEL 850
10	Sana Naz	AN / RNA II	AN
11	Radhika Giri	AKS / Process Lab	BEL413 Modelling & Process Lab / AKS
12	Jigmet Yangchan	AKS / Plant Cell Culture	AKS
13	Saurabh K Ram	AKS / Process Lab	BEL413 Modelling & Process Lab / AKS
14	Abhinav Litkar	PK / SBL	BEL403
15	Abhishek Verma	RK / RNA II	BEL412
16	Tanvi Saxena	RK / RNA II	BEL412
17	Abhishek Kaushik	GPA / DSP	GPA
18	Manu Singh	GPA / DSP	GPA
19	Mehul Bhardwaj	TRS / WTL	TRS
20	Phurpa D. Thungon	VSB / Plant Cell Culture (I-27)	BEL103
21	Aditya Chaudhury	SC / Process Lab	SC
22	Ravi Anand	SN / MM Lab	SN
23	Armaan S Sandhu	DS / RNA II	DS
24	Panidepu Harshal	PM / SBL	PM
25	Kiran K.	PM / SBL	PM

Annexure III

Allocation of Funds under PLAN head for the year 2012-2013 (PLN03)

S.No	Item	COST (₹)	Location of proposed equipment	Faculty responsible for purchase
1	UV-Vis spectrophotometer (3 + 1)	3.5 L*3 = 10.5 L 5 L *1 = 5.0 L	I-33, BRL, M.Tech labs, RNA II	PM / SM
2	Refrigerated centrifuge (1)	4.0 L	RNA Lab-II	AN
3	Sonicator (1)	5.0 L	Instrumentation Lab	PM
4	-80 freezer (1)	6.0 L	Enzy Engg Lab	PM
5	USB based pH, DO and temperature probe, 2 L glass containers, magnetic stirrer, pump	1.0 L	Design of Bioprocess	RE
6	Pipette set (4)	2.5 L	RNA Lab-II, RNA Lab-I, Metagenomics, Process lab	RK / SS
7	Power supply (5)	2.0 L	Bioscience, Metagenomics,	RK / SS
8	Horizontal Gel electrophoresis (7)	1.5 L	RNA Lab-II, Metagenomics,	RK / SS
9	Vortexer (5)	0.5 L	RNA Lab-II, Plant Cell Culture Lab (I-24) etc	AKS / AN
10	Microscope (1)	4.0 L	Animal Cell Culture	PKRC / RK
11	Centrifuge (1)	1.0 L	Animal Cell Culture	PKRC / RK
12	pH, DO probes for existing fermenters, Stirrer controller for Biostat C (3.7 liter)	4.0 L	Process Lab	AKS
13	MilliQ Water Purification Sys (1)	4.0 L	Enzyme Engg Lab	PM
14	Rotary vacuum filter	3.0 L	DSP lab	GPA
15	Depth filter units	3.0 L	DSP lab	GPA
16	Lyophilizer (1)	8.0 L	BEL103	PM
TOTAL		65.5 L		

