

Department of Biochemical Engineering and Biotechnology
Faculty Board Meeting (07/2016-17)

March 24, 2017

The 7th Departmental Faculty Board Meeting of 2016-17 was held on 14th March 2017 at 3 pm in the Departmental Committee Room (I-230). The following members were present:

1.	Prof. Atul Narang	Chairman
2.	Prof. GP Agarwal	Member
3.	Prof. Saroj Mishra	Member
4.	Prof. V.S. Bisaria	Member
5.	Prof. T.R. Sreekrishnan	Member
6.	Prof. Sunil Nath	Member
7.	Prof. Prashant Mishra	Member
8.	Dr. D. Sundar	Member
9.	Dr. Shilpi Sharma	Member
10.	Dr. Ritu Kulshrestha	Member
11.	Dr. Ravikrishnan Elangovan	Member
12.	Dr. Z.A. Shaikh	Member
13.	Dr. Ashish Misra	Convener

Item No. 1. Confirmation of minutes of 5th DFB meeting (2016-17)

The minutes of the 6th DFB meeting (2016-17) were confirmed as circulated.

Item No. 2. Matters arising from the above meeting

None

Item No. 3. Update on budget status of NPN-05, PLN-03, DBT-HRD (SS & DS)

The HOD updated the board on the status of NPN-05 and PLN-03. The HOD, Dr. Sundar and Dr. Shilpi Sharma (department DBT-HRD nominee) also updated the department on the status of the DBT-HRD funds after meeting with Dr. Manoj Rohilla (DBT). They informed the department that Dr. Rohilla had ruled out releasing the funds for 2014-15 and 2015-16 because the department did not furnish the statements of expenditure and utilization certificates on time.

Item No. 4. Constitution of DBT advisory committee and nomination of Deputy Coord (SS)

The board recommended Dr. Ravi Elangovan as the deputy coordinator for the DBT advisory committee. The board also recommended the following members for the DBT In-house Advisory committee.

- | | |
|----------------------|---------------------------------------------------------|
| 1. Academic expert | Prof. Rakesh Bhatnagar (JNU); Prof. Ashok Dubey (NSIT) |
| 2. Industrial expert | Dr. Gautam Ghosh (Panacea); Dr. Aditya Basu (Novozymes) |

[Action: Drs. SS and RE]

Item No. 5. Floating courses for 1st semester (DS)

The board recommended courses and the list of faculty for teaching them in the 1st semester of 2017-18 [**Annexure 1**] with the following observations.

- i. Profs. Saroj Mishra and Prashant Mishra should decide if they want to share the Instrumentation and Analytical Methods in Bioengineering course
- ii. Dr. Shilpi Sharma and Prof. Prashant Mishra should ask Prof. MN Gupta if he would be willing to share the Microbial Biochemistry and Principles of Biochemistry course with them respectively.
- iii. Dr. Preeti Srivastava should be asked if she would be fine in offering two courses in the semester. If not, the program elective, Genome Engineering, should be dropped.

[Action: Profs SM, PM, MNG; Dr. SS, PS]

Item No. 6. TA assignment for Sem II, 2016-17, and lab allotment for MTP and Ph.D. students

The board recommended the TA allotment and lab assignments for MTP students (**Annexure 2**); and MS(R) and Ph.D. students (**Annexure 3 and 4**).

Item No. 7. Volunteers for 2017 Open House Representatives

The board recommended Dr. Ritu Kulshrestha and Dr. Ashish Misra as departmental representatives

[Action: Drs. RK and AM]

Item No. 8. Volunteers for design of departmental facilities in new Engineering blocks

The board recommended the following faculty as volunteers

- i. Dr. ZA Shaikh
- ii. Dr. Preeti Srivastava
- iii. Dr. Ravi Elangovan
- iv. Dr. Durai Sundar

[Action: Drs. ZAS, PS, RE and DS]

Item No. 9. Volunteers for renovation of seminar room, storekeeper office, and departmental library

The board recommended the following faculty as volunteers

- i. Seminar room and departmental library (Dr. Ritu Kulshrestha and ???)
- ii. Storekeeper office (Prof. Ravi Elangovan)

[Action: Prof. SM; Drs. RK and RE]

Item No. 10. Volunteers for visiting universities with Institute team.

The board recommended the following faculty as volunteers

- i. Dr. Zia A Shaikh
- ii. Dr. Ravikrishnan Elangovan
- iii. Dr. Shilpi Sharma
- iv. Dr. Durai Sundar
- v. Dr. Atul Narang.

[Action: Prof. AN; Drs. ZAS, SS, DS, RE]

Item No. 11. Allocation of Project Administrative Assistant

The board recommended that since no consensus could be reached, this matter will be taken up in a following DFB.

Item No. 12. DFB feedback on four applicants for faculty position in our department

The board noted the following points regarding the applicants based on their backgrounds.

1. Dr. Suman Chakrabarty (Ramanujan Fellow, NCL) may not be able to get involved with teaching any of the departmental courses and/or lab. He could be called for a seminar talk for further judgment.
2. Dr. Gautam Bannerjee (Director and Principal Scientist, Unilever R&D) was involved in the area of medical biotechnology and involved in working with large groups. It was not clear how well he would be able to work one on one in supervising graduate students. He could be called for a seminar talk but may not be suitable.
3. Dr. Ranjan Batra (Postdoc at UC, San Diego), who possesses a bachelors in pharmacy would be the best candidate because he could be involved in teaching courses of Biochemistry, Molecular Biology. He should also be called for a seminar talk for further judgment.

[Action: Prof. AN]

Item No. 13. DFB feedback on the new consultancy guidelines

The board was in agreement with the rules

[Action: Prof. AN]

Item No. 14. DFB feedback on Transfer Policy for Administrative (Ministerial) Staff

The board recommended the following modifications on the transfer policy document

- i. Under Tenure (4), the period of placement should be 5 years.

- ii. Under Guiding Principles (5, point (iii)), rather than taking disciplinary action, the promotion should be withdrawn because this is practiced in most Public Sector Undertakings.
- iii. This transfer policy should not be extrapolated for technical staff.

[Action: Prof. AN]

Item No. 15. Standard operating procedure document for the UG lab (RKE)

The board recommended that Dr. Ravikrishnan Elangovan circulate the document among the departmental faculty members for further feedback.

[Action: Dr. RE]

Item No. 16. Any other items

Ashish Misra
Convener, DFB

Distribution

All DBEB faculty by email

Cc: Office file

Annexure 1

Courses to be floated in 1st Semester 2017-2018

Departmental Core Courses

Semester	Course Number	Course Name	Credit	L-T-P	Slot	Faculty
3	BBL131	Principles of Biochemistry	4.5	3-0-3	D	PM/MNG
3	BBL132	General Microbiology	4.5	3-0-3	F	SS
3	BBL133	Mass and Energy Balances in Biology	3	3-0-0	H	ZAS
5	BBL231	Molecular Biology and Genetics	4.5	3-0-3	D	PS
5	BBL331	Bioprocess Engineering	3	3-0-0	B	AKS
5	BBP332	Bioprocess Engineering Lab	1.5	0-0-3	P	AKS
7	BBL731	Bioseparation Engineering	4.5	3-0-3	C	GPA
7	BBL732	Bioprocess Plant Design	4	3-0-2	B	TRS
7	BBL733	Recombinant DNA Technology	3.5	2-0-3	D	RK

Other - Departmental Core Course

Semester	Course Number	Course Name	Credit	L-T-P	Slot	Faculty
3	BBN101	Introduction to Biochemical Engineering	1	0-0-2	NM	AN
7	BBD451	Major Project Part 1 (BB1)	3	0-0-6	P	SS
	BBQ301	Seminar Course – I	1	0-0-2	P	
	BBQ302	Seminar Course – II	1	0-0-2	P	
	BBD351	Mini Project			P	TRS
	NGU	Non Graded Units				AKS

Program Core Courses

Semester	Course Number	Course Name	Credit	L-T-P	Slot	Faculty
7	BBL734	Metabolism Regulation and Engineering	3	3-0-0	H	AM
9	BBL735	Genomics and Proteomics	3	2-0-2	D	DS
9	BBL737	Instrumentation and Analytical Methods in Bioengineering	3	2-0-2	B	SM

Other Program Core Courses

Semester	Course Number	Course Name	Credit	L-T-P	Slot	Faculty
9	BED851	Major Project Part 1 (BB)	6	0-0-12	P	SS
9	BED852	Major Project Part 2 (BB)	14	0-0-28	P	SS
9	BED853	Major Project Part 1 (BB)	4	0-0-8	P	SS
9	BED854	Major Project Part 2 (BB)	16	0-0-32	P	SS

Program Elective Courses

(1 course worth 4 credits is required) (ideally...students should be given options to choose from)

(Courses already offered in 2nd Sem 2016-2017 –

BBL740 Plant Cell Tech, BBL742 Biol Waste Treat, BBL745 Comb Biotech, BBL746 Curr Topics, BBL747 Bionano Tech, BBL749 Cancer Cell Biol)

Semester	Course Number	Course Name	Credit	L- T-P	Slot	Faculty
9	BBL741	Protein Science and Engineering	3	3-0-0		SM/MNG
9	BBL743	High Resolution Methods in Biotech	3	2-0-2		RKE
9	BBL750	Genome Engineering	3	2-0-2		PS

MSR and PhD Courses

Semester	Course Number	Course Name	Credit	L-T-P	Slot	Faculty
1	BED800	Major Project	40	0-0-80	P	RK
1	BEL810	Enzyme and Microbial Technology	3	3-0-0	J	VSB
1	BEL820	Downstream Processing	3	3-0-0	D	SN
1	BEL830	Microbial Biochemistry	3	3-0-0	H	SS
1	BEP840	Lab Tech in Microbial Biochemistry	2	0-0-4	P	PM
1	BEL850	Advanced Biochemical Engineering	5	3-0-4	B	AN

Annexure 2

Allotment of lab and TAs hip to final year dual degree students (Semester II, 2016-17)

No	Entry Number	Name	Supervisor (s)	Lab allotted	TAs hip
1	bb5120002	Aayushi Singhal	AKS	Plant cell culture	AKS
2	bb5120049	Chirag Mittal	AKS	Plant cell	AKS
3	bb5120026	Meenakshi Saranga	AKS& TRS	Plant cell	AKS& TRS
4	bb5120050	Yoshita Agarwal	AKS	COE	AKS
5	bb5120040	Shenoy Rutha Ratnakar	AKS	COE	AKS
6	bb5120001	Aashika Sekar	AN	Bioscience lab	AN
7	bb5120011	Annie Godara	AN	Bioscience lab	AN
8	bb5120023	Malay Shah	AN	Bioscience lab	AN
9	bb5120036	Rohit Kumar Agarwal	GPA	DSP	GPA
10	bb5120025	Mayank Kumar Sahu	GPA	DSP	GPA
11	bb5120043	Tushar Thote	GPA	DSP	GPA
12	bb5120015	Divyansh Apurva	GPA	DSP	GPA
13	bb5120034	Rahul Kumar	GPA	Computation lab	GPA
14	bb5120003	Abhay Tanksali	GPA	Process	GPA
15	bb5120012	Atul Verma	GPA	WTL	GPA
16	bb5120035	Rishabh Mathur	PM	EE	PM
17	bb5120028	Nikhil Patidar	PM	PEL	PM
18	bb5120048	Yash Kumar Bhati	PM	EE	PM
19	bb5120018	Gunjan Gupta	PS	RNAI	PS
20	bb5120010	Ankit Dutt	RE	Mol. Mot	RE
21	bb5120044	Vasu Jaiswal	RK	RNAII	RK
22	bb5120008	Deependra Kushwah	RK	RNAII	RK
23	bb5120009	Aashima Goyal	SM	BRL	SM
24	bb5120020	Karishma Dagal	SS	Process	SS
25	bb5120005	Abhineet Sain	SS	Metagenomics	SS
26	bb5120037	Roshi Raina	TRS	WTL	TRS
27	bb5120017	Gaurav Singh Choudhary	VS B	Pilot Plant	VS B
28	bb5120006	Aditi Mishra	VS B	Pilot Plant	VS B
29	bb5120019	G Vijay Kumar	VS B, SS	Pilot Plant	VS B
30	bb5120039	Shashank Yadav	ZA, DS	Mol. Modelling	BBL434
31	bb5110051	Jaiprakash	GPA	DSP	GPA

32	bb5110007	Ashish Nain	RE	Mol. Motors	RE
33		Jasmeet Singh	ZA	WTL Pilot plant	??
34	bb5110013	Chandel Angad Singh	AM	Pilot Plant	AM
35	bb5120032	Prem Khoja	AM	Process	AM
36	bb5120013	Ayan Agrawal	PS	RNAI	PS
37	bb5120016	Dwarakanath Ragire	PS	RNAI	PS
38	bb5090003	Akhil Kumar	RE	MM	RE
39	bb5120010	Ankit Dutt	RE	MM	RE
40	bb5120045	Avijeet Singh Jaswal	SM	BRL	SM

Annexure 3

Allotment of T Aship to Ph.D. and M.S. (R) students (Semester II, 2016-17)

BBL341	Deepak Kumar Prasad
BBL433	Manju, Jyoti Sharma, Nudrat Huda Khan
BBL443	Arun Thapa
BBL749	Omkar Suhas Vinchure, Srishti Srivastava
WTL	Manisha Lamba, Sonia Gupta, Ashish Lohar, Rishabh Shukla
Enzyme Engg Lab	Sanjay Singh, Surbhi Goel
Molecular Modelling Lab	Jaspreet Kaur Dhanjal, Vidhi Mallik, Anjani Kumari 'MS (R)'
Bioscience 1	Anamika Singh, Ritesh Kumar Aggarwal
RNA II	Sonam Takkar, Shikha Gupta 'MS (R)'
Pilot Plant	Shraddha Maitra, Asmita Pandey 'MS (R)'
DSP Lab	Sunil Kumar
BRL	Arpita, Sakshi Agarwal, Mool Chand, Radhika Khera 'MS (R)', Rohit Khandelwal, Nitu Maity
Process Lab	Jitendra Singh Verma, Siddhi, Shashi Kumar
Plant Cell Culture Lab	Anveshika, Rabab Anjum
Metagenomics	Gautam, Upma Singh
RNA I	Ankur Kumar, Pooja Murarka, Jananee Jaishanker, Divya Singhi
Molecular Machines	Vidhu
Protein Engineering Lab	Neeti
COE Lab	Sanjay Kumar, Gopal Roy 'MS (R)', Lovely, Raju Kumar, Kamakshi Gupta 'MS (R)'

* MS (R) students indicated with an 'MS (R)' after their names

Annexure 4

Lab allotment to departmental PhD students (2016 entry)

Sr. No.	Entry No.	Name	Lab
1	bez168003	Samannaya Hazra	Bioscience 1
2	bez168004	Anirban Jana	RNA 2
3	bez168005	Priyanka	BRL
4	bez168007	Ritu Bhardwaj	PEL
5	bez168008	Ngangom Pravina Devi	PP
6	bez168009	Navodit Kumar Singh	COE
7	bez168325	Swati Varshney	Metagenomics
8	bez168335	Biju Jacob	Bioscience 1
9	bez168558	Shefali Singh	MM
10	bez168559	Deepak Sharma	WTL

Lab allotment to departmental MSR students (2016 entry)

Sr. No.	Entry No.	Name	Lab
1	bey167502	Nakul Aggarwal	WTL/PP
2	bey167503	Nitika	Bioscience 1
3	bey167504	Arif Nissar	RNA1
4	bey167505	Anirban Kundu	Process
5	bey167506	Vasu Goel	Metagenomics
6	bey167507	Nidhi Yadav	BRL