

**Department of Biochemical Engineering and Biotechnology**  
**Minutes of the Departmental Faculty Board Meeting**  
(DFB-03/2023-2024)

26/09/2023

The third meeting of the *Departmental Faculty Board* for the academic session 2023-2024 was held on **Tuesday, September 26<sup>th</sup>, 2023** at **03:00 PM** in the Committee Room of the Department.

The following members were present:

Prof. Ritu Kulshreshtha, Chairperson  
Prof. Prashant Mishra  
Prof. D. Sundar  
Prof. Atul Narang  
Prof. Preeti Srivastava  
Prof. Ziauddin Shaikh Ahammad  
Prof. Ravikrishnan Elangovan  
Prof. Ashish Mishra  
Prof. Ishaan Gupta  
Prof. Lucinda Doyle  
Prof. Kumari Priti Sinha  
Prof. Anjan Roy  
Prof. Amit Das, Convener

**Item 1: Confirmation of minutes of the 1<sup>st</sup> DFB meeting held on August 7<sup>th</sup>, 2023**

*The minutes of previous regular DFB meeting (DFB-01 of 2023-24) held on **August 7<sup>th</sup>, 2023** were confirmed as circulated.*

*As matters arising, HoD suggested that we make the biosafety orientation an yearly event possibly offered during the beginning of the calendar year. HoD also proposed that the PhD core course requirements would be discussed in a future DFB meeting.*

*As matters arising, DFB also revisited the issue of MTech course requirements for new students who graduated from DBEB through the UG program. In this connection, several cases of UG student registrations in PG core courses came up. The DFB proposed that these should be dealt with more conviction and not allowed in future. DFB suggested that we should make a fresh request with clear instructions to the academic section, ADCURR, and CGR to recognize and restrict the registrations to only the master's students in DBEB PG core courses.*

**Item 2: Proposed course list for the next semester**

*Proposed course list as shared by Prof Lucinda was discussed by the DFB. An important point of discussion was offering departmental elective courses in the afternoon or evening slots. DFB proposed that Prof Preeti Srivastava should discuss with the faculty involved in DE courses for any changes from the currently proposed slotting, and circulate a final course list to be used in semester 2302.*

*Another matter of slot change request for BBL431 was proposed to the DFB by Prof Lucinda. DFB suggested that for the next semester BBL431 can be offered in a different slot if there are no clashes.*

*The final course list for semester 2, 23-24 with slots is attached as Annexure-1.*

**Item 3: Utilization of departmental funds**

The DFB discussed the possible avenues for utilization of remaining departmental funds from the allocated PLN03 and NPN05 budgets. For the current list of fund distributions and commitments please refer to Annexure-2.

DFB also proposed that the milli-Q machine currently in Prof KJ Mukherjee's lab is moved to a common area for everyone's use.

**Item 4: Discussion on recent BAP agenda**

DFB discussed the new course proposed by CBME on Deep Learning for Medical Image Analysis and the proposed courses for the new M.Sc. program to be offered by KSBS. DFB noted that there are some overlaps in several of the proposed courses with current DBEB courses, e.g., Molecular Cell Biology and Genetics with BBL231, BBL771, Biochemistry with BBL131, BBL771, Immunobiology with BBL442, Mathematical and Statistical Biology with BBL772, etc. Overall, DFB concluded that the proposed courses and the goals of the M.Sc. program are in order.

**Item 5: Discussion on the performance and attendance of Students under probation**

DFB recommended that the faculty assigned to the DBEB students currently under probation would contact and follow-up with the students on their progress and performance till the midterm.

**Item 6. Discussion on PhD admission dates**

DFB recommended to conduct the PhD admissions on Dec 6<sup>th</sup> and 7<sup>th</sup>, 2023. Modalities of the admission would be discussed in DRC.

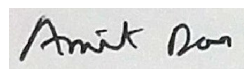
**Item 7. Discussion on evaluation of BTP and MTP**

BTP and MTP coordinators presented the marks received by the students. Final marks list to be shared by the respective coordinators. DFB also suggested that the students who did not show up for BTP-1 would get zero marks.

**Item 8. Any other item with the permission of the Chair.**

DFB discussed the upcoming open house program. It was recommended that Prof Ishaan Gupta will send out a questionnaire to the DBEB faculty to fill up about their research work. Posters to be exhibited in the open house may be prepared based on the responses to the questionnaire.

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



Amit Das,  
DFB Convener

## Annexure-1

### Courses to be floated in Semester II, 2023-2024

Available caps\*: 30 / 60 / 90 / 150 / 300

\*deviations require justification to Institute (e.g. to accommodate lab capacity)

#### Departmental Core Courses (DC)

SI	Course Number	Course Title	L - T - P Structure			Credits	Course Coordinator	Slot	Cap
			L	T	P				
1	BBL431	Bioprocess Technology	2	0	0	2	AM	C	90
2	BBL432	Fluid Solid Systems	2	0	0	2	KPS	H	90
3	BBL433	Enzyme Science and Engineering	3	0	2	4	RE	D	90
4	BBL434	Bioinformatics	2	0	2	3	IG	F	90
5	BBQ301	Seminar Course – I	0	0	2	1	SN	P	30
6	BBQ302	Seminar Course – II	0	0	2	1	SN	P	30
7	BBD452	Major Project Part 2 (BB1)	0	0	16	8	KPS	Q	30

8	BBL774	Biomolecular Engineering	3	0	2	4	DS/PS	D	60
9	BBL775	Bioreaction Engineering	3	0	3	4.5	AN	B	60
10	BBL731	Bioseparation Engineering	3	0	3	4.5	KJM	F	60
11	BBD856	Major Project Part 2 (BEM)	0	0	24	12	AR	Q	60

#### ELECTIVES

12	BBL736	Dynamics of Microbial Systems	3	0	0	3	AR	J	60
13	BBL742	Biological waste treatment	3	0	2	4	ZAS	AB	60
14	BBL342	Physical and chemical properties of biomolecules	2	1	0	3	AD	H	60
15	BBL745	Combinatorial Biotechnology	3	0	0	3	PS	J	60
16	BBL757	Electromicrobiology and Bioelectrochemical Systems	3	0	0	3	LED	H	60
17	BBL747	Bionanotechnology	3	0	0	3	PM	AA	60

#### MSR/PhD Courses

SI	Course Number	Course Title	L - T - P Structure			Credits	Course Coordinator	Slot	Cap
			L	T	P				
18	BBD895	Major Project	0	0	72	36	LED	Q	60

## Annexure-2

### PLN03 budget distribution

Serial no.	Name of Equipment	Concerned Faculty	Name of Lab	Funds committed	Current status
1	ICEMATIC MACHINE	PS	INSTRUMENTATION	249700	In Process/Arrived
2	DOTLINK INTERFACE FOR PERKIN ELMER HPLC	KJ	INSTRUMENTATION	130000	In Process/Arrived
3	Autoclave SLEFA series 180L, Equitron	AM	UG	359000	In Process/Arrived
4	RT-PCR	RK	INSTRUMENTATION	1550000	In Process/Arrived
5	NANODROP MICROVOLUME SPECTROPHOTOMETER	RK	INSTRUMENTATION	980000	In Process/Arrived
6	UV-Visual Spectrophotometer	PS	UG	620000	PFC created
			TOTAL	3888700	

### NPN05 budget distribution

Serial No.	Items	Details	Funds
1	Used and Committed		900000
2	All Faculty Labs	Rs 30000 each	480000
3	UG lab next semester		500000
4	Instrumentation Lab		150000
5	Bioprocess Lab	Final details awaited	
6	Office		300000
	Other Charges (like Biosphere etc..)		100000
		TOTAL	2430000

### PLN03F budget distribution

Name of Equipment	Concerned Faculty	Funds committed	Current status
2 Desktops and 1 Laptop	PS, AD and HOD office (for new faculty)	225000	PFC to be created