

**Department of Biochemical Engineering and Biotechnology**  
**Minutes of the Departmental Faculty Board Meeting**  
(DFB-07/2022-2023)

17/3/2023

The sixth meeting of the *Departmental Faculty Board* for the academic session 2022-2023 was held on **Friday, March 17<sup>th</sup>, 2023** at **3:00 PM** in the Committee Room of the Department.

The following members were present:

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

**Item 1: Confirmation of minutes of the DFB meeting held on 2<sup>nd</sup> March 2023**

*The minutes of meeting DFB-06 held on March 2<sup>nd</sup> 2023 were confirmed as circulated.*

**Item 2: DBEB budget request for the 2023-24 year**

*After a brief discussion on the budget requirements for the financial year 2023-24, the final budget proposal (Annexure 1) was approved to be sent to the planning unit.*

**Item 3: List of courses for the semester I 2023-24**

*After briefly discussing the topic, DFB approved the final list of courses (Annexure 2) for the semester I in the 2023-24 academic year.*

**Item 4: Department library usage policy**

*After a brief discussion, the DFB approved the below policy for department library usage.*

Category	No. of books	Loan period	fine
Faculty	12	One semester	Rs. 1 per day
Staff	02	One month	Rs. 1 per day
Research Scholar	08	One month	Rs. 1 per day
PG Students	05	14	Rs. 1 per day
UG students	05	14	Rs. 1 per day

**Item 5: Post-doc recruitment policy**

*After a brief discussion, the DFB approved a minimum of two first-author publications in reputed journals as minimum requirements for shortlisting.*

**Item 6: Any other item with the permission of the Chair.**

- 1. Request for BioXcluster space for mPragati by Prof Ravikrishnan Co-PI in the project was discussed. It was welcomed by DFB and requested HoD to take up the BioXcluster activities with Head CBME and Head KSBS.*
- 2. DST-FIST grant 2023. The Head briefed the DFB on the status of the previous FIST grant and requested the investigators to expedite the closure report formalities as there is an upcoming FIST grant call.*
- 3. Head requested the DBEB safety committee to give a safety audit report for the department.*

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



**Ravikrishnan Elangovan,  
DFB Convener**

**PLN03**

S. No	Teaching Equipment Name	Price (in Lakhs)
1	One cell frost refrigerator	0.5
2	Dotlink Interface for Perkin Elmer	1
3	Water purification system	10
4	Ice flaking machine	4
5	Peristaltic pumps (2)	3
6	Pipettes for LCMS	1
7	Real-time PCR with Accessories	15
8	Microplate Multivolume Spectrophotometer	9
9	Minus 80 freezer	8
10	Refrigerated centrifuge (1)	8
11	Gel Documentation Unit	10
12	Desktop for equipments	3
	<b>Total</b>	<b>72.5</b>

**NPN05**

S. No	Name of Item	Price (in Lakhs)
1	Departmental Operational Expenses	2
2	PhD/MSR/Mtech Examiner Fee/Guest House etc.	2
3	UG Teaching and Research	15
5	PG Teaching and Research	15
7	Columns, vials and cylinder for LCMS	0.5
8	Calibration gases for MS	1
9	AMC for equipments in shared facility	5
10	AMC for picking biowaste disposal	0.1
11	Repair of Teaching Equipments	5
12	LCMS Grade Solvents	1
13	Metabolite Standards	0.5
15	<b>Relocation Expenses to Block 99C</b>	<b>55</b>
	<b>Total</b>	<b>101.6</b>

**HoD, DBEB**

## Annexure 2: Courses- Semester 1, 2023-2024

### Departmental Core Courses (DC)

SI	Course Number	Course Title	L - T - P Structure			Credits	Course Coordinator	Slot	Regn
			L	T	P				
1	BBL131	Principles of Biochemistry	3	0	3	4.5	LED	D	
2	BBL132	General Microbiology	3	0	3	4.5	SS	F	
3	BBL133	Mass and Energy Balances in Biochemical Engineering	3	0	0	3	KPS	H	
4	BBL231	Molecular Biology and Genetics	3	0	3	4.5	PS	D	
5	BBL331	Bioprocess Engineering	3	0	0	3	KJM	B	
6	BBP332	Bioprocess Engineering Lab	0	0	3	1.5	KJM	P	
7	BBL731	Bioseparation Engineering	3	0	3	4.5	AM	C	
8	BBL732	Bioprocess Plant Design	3	0	2	4	ZAS	B	
9	BBL733	Recombinant DNA Technology	2	0	3	3.5	RK	D	
10	BBQ301	Seminar Course – I	0	0	2	1	PM	P	
11	BBQ302	Seminar Course – II	0	0	2	1	AD	P	
12	BBD451	Major Project Part 1 (BB1)	0	0	6	3	KPS		

### Program Electives (PE)

SI	Course Number	Course Title	L - T - P Structure			Credits	Course Coordinator	Slot	Regn
			L	T	P				
13	BBL735	Genomics and Proteomics	2	0	2	3	IG	D	
14	BBL737	Instrumentation and Analytical Methods in Bioengineering	2	0	2	3	RK	E	
15	BBL741	Protein science and engg	3	0	0	3	DS	F	
16	BBL754	Optics with Life Sciences	3	0	0	3	RE	H	
17	BBL746	Current Topics in Biochemical Engineering and Biotechnology	3	0	0	3	AR	F	

### MSR/M.Tech/PhD Courses

SI	Course Number	Course Title	L - T - P Structure			Credits	Course Coordinator	Slot	Regn
			L	T	P				
18	BBD895	Major Project	0	0	72	36	LED		
19	BBL771	Microbial Biochemistry and Molecular biology	3	0	2	4	PM/AR	B	
20	BBL772	Data Analytics and informatics in Biotechnology	2	0	2	3	AD	A	
21	BBL773	Applied Mathematics for Biochemical Engineering	3	0	0	3	AN	C	
22	BBD851*	Major Project Part 1 (BB5)	0	0	12	6	PS		
23	BBD853*	Major Project Part 2 (BB5)	0	0	8	4	PS		

24	BBD855	MTP Part 1	0	0	12	6	PS		
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