

Department of Biochemical Engineering and Biotechnology

Minutes of the Departmental Faculty Board Meeting

(DFB-06/2021-2022)

March 25, 2022

The sixth meeting of the *Departmental Faculty Board* for the academic session 2021-2022 was held on **March 25, 2022** at 3:30 PM through video conferencing (Microsoft Teams in the *DBEB FB channel*).

The following members were present:

Prof. D. Sundar	Chairperson
Prof. T.R. Sreekrishnan	Member
Prof. Sunil Nath	Member
Prof. Prashant Mishra	Member
Prof. Atul Narang	Member
Prof. K.J. Mukherjee	Member
Prof. Preeti Srivastava	Member
Prof. Ravikrishnan Elangovan	Member
Prof. Shaikh Z. Ahammad	Member
Prof. Ashish Misra	Member
Prof. Lucinda E. Doyle	Member
Prof. Ishaan Gupta	Member
Prof. Ritu Kulshreshtha	Convener

1. Confirmation of the minutes of the 4th and 5th meetings of the DFB for the session 2021-2022 held on Feb 17, 2022 and Feb 26, 2022.

The minutes of the meetings were confirmed as circulated

2. Matters arising out of the minutes of the above meetings

Item 3 of DFB-04/2021-2022: Courses to be floated in Semester 1, 2022-2023.

This was notified vide notification no. IITD/2022/BBCE/19139 dated 09-03-2022 (Annexure - 1) based on the deliberations in the DFB meeting (17-02-2022), meetings with engineering faculty members (21-02-2022 and 28-02-2022) and CoP meeting (02-03-2022).

3. Budget for next FY 2022-2023.

The Board discussed the budget proposal for PLN03 and NPN05 and finalized it as given in **Annexure - 2**.

4. M.Tech Major Project Part 1 (MTP-1) - Student Project Allocation for AY 2022-2023.

Based on the inputs received from the students, the board approved the student project allocation as given in **Annexure - 3**.

5. Matters for information of the DFB.

The Head informed the board about the approval from C.F.A according to ex post facto approval for all pending audit para. All the audit observations from 01-04-2011 till date are now treated as settled and will not be pursued further (**Annexure - 4**)

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

Prof. Ravikrishnan Elangovan requested that common space in the ground floor of the new block 99C1 be allocated to the recently awarded ICMR grant mPRAGATI, on which he is a Co-PI.

- a) The Head informed that DBEB had only 1748 sq ft of space in the ground floor in 99C1; similarly, the other bio entities had earmarked spaces in ground floor - KSBS (1853 sq ft) and CBME (967 + 871 sq ft).
- b) It was also informed that the other common space for *Biocluster* in the ground floor that will be utilized by all three entities included the following - 1 Seminar Room (856 sq ft), 1 Committee Room (483 sq ft), Bio-cluster Office (420 sq ft) and 1 Library/Student Lounge (1192 sq ft).
- c) The faculty board discussed this in detail and concluded that adequate space that is being requested is not available with DBEB. It was also emphasized that any decision on the common *Biocluster* space (detailed in point 'b' above) will require a wider discussion within/among the three bio entities as well as other academic units that are to be located in 99C1, considering that these spaces are the only available/critical common meeting/seminar/student spaces, which is not available with individual academic units in other floors in 99C1.
- d) It was recommended that Prof. Elangovan draft a request to reallocate the originally earmarked space for Biocluster in 99C1 (other than those listed in point 'b' above) and the board authorized the HoD to forward this to the Chairperson of the *Institute Space Planning & Allocation Committee*.

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

Ritu Kulshreshtha
Convener, DFB

Distribution

All Faculty (by email)

Department of Biochemical Engineering and Biotechnology

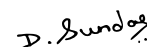
No. IITD/2022/BBCE/19139

March 09, 2022

NOTIFICATION**Sub: Courses to be floated in Semester I, 2022 - 2023**

In reference to the above subject, the following courses will be offered by the department in Semester 1, 2022-2023 by the Faculty Members/Course Coordinators as mentioned against each:

Sl.	Course Number	Course Title	L-T-P structure			Credits	Course Coordinator	Slot
			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	SN	H
4	BBL231	Molecular Biology and Genetics	3	0	3	4.5	PS	D
5	BBL331	Bioprocess Engineering	3	0	0	3	ZAS	B
6	BBP332	Bioprocess Engineering Laboratory	0	0	3	1.5	ZAS	P
7	BBL731	Bioseparation Engineering	3	0	3	4.5	AM	C
8	BBL732	Bioprocess Plant Design	3	0	2	4	TRS	B
9	BBL733	Recombinant DNA Technology	2	0	3	3.5	RK	D
10	BBQ301	Seminar Course - I	0	0	2	1	DS	Q
11	BBQ302	Seminar Course - II	0	0	2	1	RE	Q
12	BBD451	Major Project Part 1 (BB1)	0	0	6	3	IG	P
13	BBN101	Introduction to Biochemical Engineering	0	0	2	1	DS / HoD	M
14	BBL735	Genomics and Proteomics	2	0	2	3	IG	D
15	BBL737	Instrumentation & Analytical Methods in Bioengineering	2	0	2	3	DS / HoD	E
16	BBL771	Microbial Biochemistry and Molecular Biology	3	0	2	4	PS	B
17	BBL772	Data Analytics and Informatics in Biotechnology	2	0	2	3	KJM	A
18	BBL773	Applied Mathematics for Biochemical Engineering	3	0	0	3	AN	C
19	BBD851	Major Project Part 1 (BB5)	0	0	12	6	RK	Q
20	BBD852	Major Project Part 2 (BB5)	0	0	28	14	RK	Q
21	BBL741	Protein Science and Engineering	3	0	0	3	DS	F
22	BBD895	Major Project	0	0	72	36	KJM	Q
23	BBL810	Enzyme and Microbial Technology	3	0	0	3	RE	H
24	BBL830	Microbial Biochemistry	3	0	0	3	PM	J
25	BBP840	Lab Techniques in Microbial Biochemistry	0	0	4	2	PM	P
26	Design and Practical Experience (DPE) for BBD and BBT						AM	P



D. Sundar
Head of the Department

Copy to:

1. All DBEB faculty
2. Dean (Academics)
3. Dean (Faculty)
4. Director's Office
5. DBEB Office

**(A) Requests received for purchase of TEACHING EQUIPMENTS under PLN03
(Capital Assets) for the FY 2022-2023**

SI	Name of Equipment	Amount (in lacs)	Course	No. of Students	Lab name and Location	Proposer
1	Pipette set (10)	4.0	New M.Tech program		UG	PS (on behalf of the entire dept)
2	Mini Spin (1)	0.8	New M.Tech program		UG	
3	Vortexer (1)	0.1	New M.Tech program		UG	
4	Weighing Balance (1)	0.8	New M.Tech program		UG	
5	pH meter (1)	0.3	New M.Tech program		UG	
6	Magnetic Stirrer (1)	0.2	New M.Tech program		UG	
7	Refrigerated Centrifuge	7.0	New M.Tech program		PG Lab	
8	Gel documentation unit	7.0	New M.Tech program		PG Lab	
9	Refrigerator	0.5	New M.Tech program		PG Lab	
10	UV Visible Spectrophotometer	3.5	New M.Tech program		PG Lab	
11	-20°C Deep Freezer	1.3	New M.Tech program		PG Lab	
12	Horizontal Electrophoresis Unit and Powerpack (0.57 x 5)	3.0	New M.Tech program		PG Lab	
13	Thermal Cycler	3.5	New M.Tech program		PG Lab	
14	UV Transilluminator	1.0	New M.Tech program		PG Lab	
15	Vertical Electrophoresis unit (0.6x4)	2.4	New M.Tech program		PG Lab	
16	Microwave	0.2	New M.Tech program		PG Lab	
17	Dry bath	0.7	New M.Tech program		PG Lab	
18	Tool kit	0.1			PG Lab	
19	Desktop				UG Lab	
20	Dotlink Interface for Perkin Elmer HPLC	1.0	Research students		Instrumentation Lab	KJM
21	Microplate Multi Volume Spectrophotometer *	7.0	Research students		Instrumentation Lab	RK
22	Ion Exchange Chromatography system	35.0	Research students		Instrumentation Lab	AN

* Spill over from FY 2021-2022

Total = Rs. 79.40 lacs

(B) Requests received under NPN05 (OH-31) for the FY 2022-2023

SI	Name of Item	Amount (in lacs)	Course	No. of Students	Lab name and Location	Proposer
1	Department Operational expenses	2.0			HoD's office	HoD
2	PhD/MSR/MTech Examiner Fee, Guest House, etc	2.0			HoD's office	HoD
3	PG Research	25.0			all research labs	HoD
4	UG Teaching	5.0	Many UG courses		UG Lab	HoD
5	AMC for instruments in shared facility	4.5	Research students	60	Instrumentation lab, UG Lab and Bioprocess Lab	Concerned Lab i/c
6	Servicing of microscopes	0.3	Many UG courses		UG Lab	UG Lab i/c
7	UV tubes for laminar flow	0.1	Many UG courses		UG Lab	UG Lab i/c
8	Repair of fumehood	0.2	Many UG courses		UG Lab	UG Lab i/c
9	Gel documentation unit computer part	0.1	Many UG courses		UG Lab	UG Lab i/c
10	Vacuum pump for Degasser of HPLC-1100	0.3	Research students		Instrumentation lab	Instrumentation Lab i/c
11	Consumables Spare parts for HPLCs	1.3	Research students		Instrumentation lab	Instrumentation Lab i/c
12	Consumables Spare parts for Ion Chromatography System	1.2	Research students		Instrumentation lab	Instrumentation Lab i/c
13	Tin Capsule and Maintenance kit for CHNS analyser	0.6	Research students		Instrumentation lab	Instrumentation Lab i/c
14	Misc connectors	0.25	Research students		Bioprocess lab	Bioprocess Lab i/c
15	Waters HPLC repair	1.0	Research students		Bioprocess lab	Bioprocess Lab i/c

Total = Rs. 43.85 lacs

Department of Biochemical Engineering and Biotechnology

AY 2022-2023

M.Tech Major Project Part 1 – Student Project Allocation

Sl.	Entry Number	Student	Faculty Mentor
1	bb5180051	Ambekar Hrishikesh Sanjay	Prof. D. Sundar
2	bb5180052	Ankur Yadav *	
3	bb5180053	Apurva Singh	Prof. Preeti Srivastava
4	bb5180054	Ishika Verma	Prof. Ritu Kulshreshtha
5	bb5180055	Lakshay Singh	Prof. Shilpi Sharma
6	bb5180056	Neeraj Soni	Prof. Ravikrishnan Elangovan
7	bb5180058	Rahul Verma	Prof. Lucinda Elizabeth Doyle
8	bb5180060	Samuel David Anand Shadrach	Prof. Atul Narang
9	bb5180061	Sarthak Chahal	Prof. Ishaan Gupta
10	bb5180063	Shrajay Dixit	Prof. K.J. Mukherjee
11	bb5180065	Yaman Garg	Prof. Shaikh Z. Ahammad
12	bb5180066	Yashasvee Chandra	Prof. Preeti Srivastava

* Faculty Mentor was proposed without consultation. Mr. Ankur Yadav is advised to talk to the four faculty members listed in point 1 below and send an email to the MTP Coordinator Prof. Ritu Kulshreshtha confirming the acceptance by the faculty. The allotment will then be formalised.

Note:

- 1) If more students register for MTP-1 in the AY 2022-2023, they need to work under the mentorship of one of the following four faculty members - Profs. Ashish Misra, Prashant Mishra, TR Sreekrishnan or Sunil Nath. If more than 4 students register for MTP-1 later on, the allocation will be made first to these 4 faculty members followed by the remaining faculty.
- 2) The MTP is a 3-semester course – (a) Summer Semester followed by two regular semesters or (b) Two regular semesters followed by the Summer Semester.
- 3) Students need to complete registration by choosing appropriate course code depending upon when then choose to start their MTP-1:

Course Code	Course description	LTP and credits	Start date for MTP-1
BBD851	Major Project Part 1	0-0-12 (6 credits)	Summer 2022
BBD853	Major Project Part 1	0-0-8 (4 credits)	Sem 1, 2022-2023

- 4) Students are requested to meet with their respective faculty mentors to discuss and plan their work for the MTP.



भारतीय प्रौद्योगिकी संस्थान दिल्ली
Indian Institute of Technology Delhi

Internal Audit Section

No. IITD/IA/D.B.E.B/C-5(68)/2022/IAUD/20613

Dt: 16.03.2022

Sub: Re-audit remarks on the compliance(s) of outstanding para(s) of Internal Audit Report(s) on the account of Department of Biochemical Engineering and Biotechnology (D.B.E.B).

Kindly refer to your lt. No. B.B.C.E/12404 dt. 16.02.2022, the re-audit remarks are furnished as under:-

Sl. No.	Report No. & Period	Para No.	Gist of Para	Re-Audit Remarks
1.	9 th 01.04.19 to 31.03.21	1	Purchase of store before constitution of Purchase Committee - regularization thereof.	In view of the reply and expost facto approval accorded by the C.F.A i.e. Director on 18.02.2021, the para may be treated as settled.
2.	-do-	2	Payment of Custom Duty-irregularity thereof.	-do-
3.	-do-	3 (a), (b),(c), (d),(e)	Splitting of expenditure to avoid appropriate purchase procedure - condonation thereof.	-do-
4.	-do-	4	Non maintenance of Library Book issue Register properly.	-do-

This has the approval of Competent Authority.

Head, D.B.E.B

D. B. B.
22/3/22

Asstt. Registrar (Audit)

Asstt. Registrar
21/3/22
Asstt. Registrar
16/03/2022