

**Department of Biochemical Engineering and Biotechnology**  
**Curriculum Review & Development (01/2016-17)**

September 28, 2016

The 1<sup>st</sup> Departmental Curriculum Review & Development Meeting of 2016-17 was held on 27<sup>th</sup> September 2016 at 3 pm in the Departmental Committee Room (I-230). The following members were present

1.	Prof. Atul Narang	Chairman
2.	Dr. Preeti Srivastava,	Members
3.	Dr. Ashish Misra	Member
4.	Dr. Shilpi Sharma	Special Invitee
5.	Dr. Zia A Shaikh	Special Invitee
6.	Dr. Stefan Oehler	Special Invitee

The meeting was scheduled to discuss instrument and lab requirements for conducting the following labs:

BBL 131: Principles of Biochemistry

BBL132: General Microbiology

BBP332/BEL850: Bioprocess Engineering / Biochemical Engineering

BBL433: Enzyme Science and Engineering

**Item1: Same experiments in multiple courses**

The committee noted that the following labs in BBL131 (Biochemistry) were also being conducted in other courses.

No.	Experiment in BBL131	Also conducted in	Decision
1	Determinaton of reducing sugars by dinitrosalicyclic acid (DNS) method	BBP332/BBL433	Keep as part of BBL131; remove from other courses
2	Gel electrophoresis of DNA	BBL231	Conduct in BBL231 only. Add an experiment on 'Exercises in pipetting and dilutions 'to BBL 131
3	Ion exchange chromatography	BBL433	Conduct in both courses, but at different levels.

The committee also noted potentially overlapping experiments in BBL231 (Molecular Biology and Genetics) and BBL733 (Recombinant DNA Technology). It was decided to hold another meeting with the respective course coordinators (Prof. Saroj Mishra for BBL733 and Dr. Ritu Kulshrestha for BBL231) to go over the experiments.

## Item 2: Purchase of new equipment for UG lab

The committee noted an urgent need for ordering the following equipment for the UG lab.

Sr No	Item	Units	Unit cost (Rs. Lakhs)	Aprox. cost (Rs. Lakhs)	Buyer
1	Shaker Incubator	1	2	2	ZAS
2	Microscope	8	0.25	2	SS
3	Weighing balance	2	1	2	AM
4	Autoclave (small)	2	1	2	PS
5	Vortex	16	0.05	0.8	ZAS
6	Minispin	16	0.05	0.8	AM
7	Water bath	2	0.5	1	AM
8	UV spectrophotometer	1	3.5	3.5	SS
9	Fermenter	3	5	15	AN
10	Gas analyzer	1	4	4	AN
11	Colony counter	2	0.4	0.8	SO
12	Horizontal gel tank	1	0.5	0.5	PS
13	Power supply	1	0.5	0.5	PS
14	Dry bath	2	0.5	1	SO
15	Fridge, large	1	0.5	0.5	AN
<b>Total</b>				<b>36.4</b>	

The committee assigned buyers for the equipment to be ordered, and decided to form purchase committees for procuring the equipment. Additionally, the committee decided to meet periodically to monitor the status of the equipment purchase.

The meeting ended with a vote of thanks to all members.

*Atul Narang.*

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