

## Department of Biochemical Engineering and Biotechnology

### Faculty Board Meeting (03/14-15)

Dated: 11<sup>th</sup> November 2014

Minutes of the 3<sup>rd</sup> Departmental Faculty Board Meeting held on 3<sup>rd</sup> November 2014 at 12.00 noon in the Departmental Committee Room (I-230). Following members were present:

|     |                            |          |
|-----|----------------------------|----------|
| 1.  | Prof. Prashant Mishra      | Chairman |
| 2.  | Prof. Subhash Chand        | Member   |
| 3.  | Prof. G. P. Agarwal        | Member   |
| 4.  | Prof. V. S. Bisaria        | Member   |
| 5.  | Prof. Saroj Mishra         | Member   |
| 6.  | Prof. A. K. Srivastava     | Member   |
| 7.  | Prof. Sunil Nath           | Member   |
| 8.  | Prof. P. K. Roychoudhury   | Member   |
| 9.  | Prof. Atul Narang          | Member   |
| 10. | Dr. D. Sundar              | Member   |
| 11. | Dr. Shilpi Sharma          | Member   |
| 12. | Dr. Ritu Kulshreshtha      | Member   |
| 13. | Dr. Ravikrishnan Elangovan | Member   |
| 14. | Dr. Z. Ahammad             | Member   |
| 15. | Dr. Preeti Srivastava      | Convenor |

At the outset of the meeting Head thanked all the faculty members and specially to the presenters for their help during on-the spot assessment of DST-FIST Proposal. He informed that in general the comments of expert committee were positive.

Head apprised the board about the meeting with the Chairman, board of governors, IIT Delhi. Prof. Atul Narang was requested by Head to join the meeting. Chairman BOG wanted to know the kind of work on bioenergy going on in the Department as well as in the Institute as the Ministry of Petroleum wanted feedback from academicians and involvement of IITD in formulating policies. In view of this a subsequent meeting was held with Minister and other officials. It was decided to organize a meeting on Bioenergy at IIT Delhi in the month of January.

- Head also informed that an Institute level Committee has been constituted to look into the possibility of gas pipelines across the Institute. A meeting will be called and after that respective lab incharges may submit their requests for gas pipelines in their labs.
- It was requested to all the faculty members to complete the purchase of equipments from PLN03 grant by November end so that the next projection is submitted.

**1. Confirmation of minutes of 2<sup>nd</sup> DFB meeting (2/2014-2015)**

The minutes were confirmed as circulated.

**2. Matters arising out of above meeting**

None

**3. Report on discussion in ECS, BAP, ACL, Safety and other Committee**

No meetings were held in the said period.

**4. Offering minor areas, Departmental specializations and Interdisciplinary Specialization for UG students under capability linked options**

The minor area proposed by the curriculum monitoring Committee was Microbial Engineering. The curriculum monitoring committee was requested to finalize the Minor areas, Departmental specializations, interdisciplinary specializations, credit structure for dual degree M. Tech component, courses with non-graded design component for students to earn 5 units and courses on communication skills to earn 2 units.

*(Act: Curriculum Monitoring committee)*

**5. Comments/Feedback on the letter received from GATE Academic standing committee regarding revision of GATE syllabus**

A subcommittee consisting of following members was made to revise the GATE syllabus

Prof. Subhash Chand

Prof. V.S. Bisaria

Prof. Saroj Mishra

Prof. Atul Narang

All other faculty members were requested to submit their comments to the subcommittee members so that they may be compiled and submitted before November 15<sup>th</sup> 2014.

#### **6. Feedback from students given in class committee meetings**

The students wanted 1 credit DE to be floated by the Department. Head apprised the board about the course BEV330 'Special module in Biochemical Engineering and Biotechnology' that may be floated by visiting faculty coming here for at least two weeks. Dr. Z.A. Shaikh informed the board that Prof. David Graham from New Castle University has shown his willingness. It was decided that the course could be floated after getting the confirmation from Prof. Graham.

#### **7. Courses for IInd semester 2014-15**

The teaching assignment for IInd semester is given in Annexure I

#### **8. Any other item**

None

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

Preeti Srivastava  
Convenor

**All Faculty members**

## Annexure I

### Courses to be offered in II semester (2014-2015)

| Slot | Course No. | Description   | L-T-P  | Credit | Coordinator/<br>Associated<br>Faculty |
|------|------------|---|--------|--------|---------------------------------------|
| D    | BBL110     | Molecular Biotechnology                                 | 3-0-0  | 3.0    | SS / PS                               |
| E    | BBL231     | Molecular Biology & Genetics                            | 3-0-3  | 4.5    | RK                                    |
| E    | BEL401     | Bioprocess Technology                                   | 2-0-0  | 2.0    | VSB                                   |
| D    | BEL311     | Physical and Chemical Properties of Biomolecules (DE-1) | 2-1-0  | 3.0    | RE                                    |
| D    | BEL416     | Membrane applications in bioprocessing (DE1)            | 3-0-0  | 3.0    | GPA                                   |
| H    | BEL411     | Food Science and Engineering (DE2)                      | 3-0-0  | 3.0    | SC                                    |
| H    | BBL341     | Environmental Biotechnology (DE2)                       | 3-0-0  | 3.0    | ZAS / SS                              |
| J    | BEL418     | Bioinformatics (DE3)                                    | 2-0-2  | 3.0    | DS                                    |
| J    | BEL419     | Enzyme-catalyzed Organic Synthesis (DE3)                | 2-0-2  | 3.0    | MNG                                   |
| B    | BEL702     | Bioprocess Plant Design                                 | 3-0-4  | 5.0    | TRS                                   |
| F    | BEL703     | Downstream Processing in Biotechnology                  | 3-0-4  | 5.0    | SN/ZAS*                               |
| D    | BEL711     | r-DNA Technology (PE1)                                  | 2-0-4  | 4.0    | SM                                    |
| E    | BEL712     | Plant Cell Technology (PE2)                             | 2-0-2  | 3.0    | AKS                                   |
| E    | BEL721     | Bionanotechnology (PE2)                                 | 3-0-0  | 3.0    | PM                                    |
| H    | BEL718     | Combinatorial Biotechnology (PE3)                       | 3-0-0  | 3.0    | PS                                    |
| D    | BEL713     | Microbial Engineering (PE3)                             | 3-0-0  | 3      | AN                                    |
| P    | BES350     | Independent Study (BB)                                  | 0-3-0  | 3.0    | PM                                    |
| E    | BER350     | Professional Practices (BB)                             | 0-1-2  | 2.0    | VSB                                   |
| P    | BEC750     | Seminar (BB)  | 1-0-0  | 0.0    | RE                                    |
| P    | BED800     | Major Project   | 0-0-80 | 40.0   | RK                                    |
| P    | BED851     | Major Project Part 1 (BB)                               | 0-0-12 | 6.0    | SS                                    |
| P    | BED852     | Major Project Part 2 (BB)                               | 0-0-28 | 14.0   | SS                                    |
| P    | BED<br>853 | Major Project Part 1 (BB)                               | 0-0-12 | 6.0    | SS                                    |
| P    | BED854     | Major Project Part 2 (BB)                               | 0-0-32 | 16.0   | SS                                    |
| P    | BET450     | Practical Training (BB)                                 | 0-0-0  | 0.0    | AN / DS                               |

\*Prof. Sunil Nath has agreed to take the lecture part and Dr. ZAS will take the practical component.