

Department of Biochemical Engineering and Biotechnology
Minutes of DRC Meeting N0 04/ 2017-2018
(DRC-05/2017-2018)

Dec 21, 2017

The fourth meeting of *Departmental Research Committee* (DRC) for the academic session 2017-2018 was held on **Thursday, Dec 21, 2017** at **3.30 pm** in the Committee Room (I- 230) of the Department.

The following members were present:

Prof. T. R. Sreekrishnan (*Chairperson*)
Prof Saroj Mishra
Prof. Prashant Mishra
Prof. D. Sundar
Prof Ritu Kulshreshtha
Prof. Preeti Srivastava
Prof. Z. A. Shaikh
Prof. Ashish Misra
Prof. Shilpi Sharma (*Convenor*)

1. To confirm the minutes of the 4th meeting of the DRC for the session 2017-2018 (*DRC-04/2017-2018*) held on Nov 17, 2017

The minutes of 4th meeting of DRC 2017-18 held on 17th Nov 2017 were confirmed as circulated.

2. To report the matters arising from minutes of Meeting No. 04/2017-2018 and action taken.

Item No 8: Head DBEB was requested take up the agenda of developing a new model for comprehensive examination of Ph.D. students of the department, in the next DFB meeting.

3. Synopsis of Ph.D. theses titled:

- (a) "Azurin protein for the development of bionanodevices" submitted by Ms. Neeti Kalyani (Entry No 2011BEZ8424)
- (b) "Thymoquinone and its nanoformulations for drug delivery" submitted by Ms. Surbhi Goel (Entry No 2010BEZ8763).

The Committee discussed and approved the synopsis submitted by the Ph.D. students Ms Neeti Kalyani and Ms Surbhi Goel. The Committee also approved the panel of Examiners and authorized the Chairman to forward the same to Dean (Academics).

- (Action: 1 Thesis Supervisor to send the following documents to the DRC Convener:
(a) Filled-in form for PhD synopsis submission & Appointment of Examiners (b) 2 hard copies of the Synopsis and (c) soft copy of the Synopsis by email)

(Action 2: Upon receipt of the above documents, Chairman DRC to forward it to Dean-Academics)

4. Approval of research plan of Ph.D. students:

- (a) Anirban Jana (2016BEZ8004)
- (b) Priyanka (2016BEZ8005)
- (c) Navodit Kumar Singh (2016BEZ8009)
- (d) Swati Varshney (2016BEZ8325)

The Plan of Work for Ph.D. students Anirban Jana, Priyanka, Navodit Kumar Singh and Swati Varshney were discussed, and approved on the basis of recommendations by the members of SRC.

(Action: Chairman DRC to forward the Form w/ enclosures to Dean - Academics)

5. Discussion of current cover sheet for submission of research grant application by departmental faculty members

The committee decided to modify the current cover sheet so as to include a section on requirement of space by the faculty putting forth any proposal for onward submission for funding.

(Action: Prof DS to modify the existing cover sheet and circulate to faculty members of DBEB)

6. Allotment of topic to student for BTP-II

Mr Saurabh Parikh's (Entry No 2014BB10056) request to pursue BTP-II on the topic "High through put screening assays for enzymes" under the mentorship of Prof. R. Elangovan was ratified. Further, DRC Chairperson informed the committee that it is not necessary to obtain DRC approval for a student to opt for BTP-II. If he/she has B or better grade in BTP-I, he/she can opt for BTP-II. It may be continuation of BTP-I, or it may be a different project.

7. Request by Prof Ashish Misra to include an external co-supervisor for BTP of Archit Kumar (Entry No 2014BB10029)

Prof Sumeer Agarwal, Electrical Engineering Department, IIT Delhi was included as a co-supervisor for BTP I thesis of Archit Kumar (Entry No 2014BB10029).

8. To report the matters for ratification by the DRC

(a) Project proposals submitted by departmental faculty

S. No	Project Title	Project Investigators	Funding Agency
1	Integrated monitoring and treatment of emerging contaminants presents in domestic wastewater and wastewater irrigated lands	Prof. Z. Ahammad & Prof. T. R. Sreekrishnan	BRICS
2	Whole cell based approach for improved biodesulphurization	Prof. Preeti Srivastava & Prof. Saroj Mishra	DBT
3	Evaluation of recombinant laccases of <i>Cyathus bulleri</i> for treatment of textile waste waters	Prof. Saroj Mishra & Prof. Preeti Srivastava	DBT
4	A comparative evaluation of native and recombinant glycosyl hydrolases for large scale fructo-oligosachharide synthesis	Prof. Saroj Mishra & Prof. R. Elangovan	DBT
5	Risk assessment of organic farming	Prof. Shilpi Sharma & Dr. Anil Choudhary, IARI	DBT
6	Mitigation of salinity stress by ""acclimatized microbiome""	Prof. Shilpi Sharma, Dr. A. Kapley and Dr. A. Khardenavis, NEERI	DBT

The above projects were circulated to members, since no specific comments were received from the members on the proposal, the project was forwarded to Dean IRD and item was ratified in DRC.

14. Any other item with the permission of Chair

(a) The committee discussed the applications of three QIP candidates for admission to departmental Ph.D. programme:

S. No	Application No	Name
1	50203	Ashok Kumar Pal
2	50396	Dillip Kumar Mohapatra
3	50575	Hrishikesh Nandkishor Gupta

Based on the shortlisting criteria for admission to Ph.D. programme in the department, the applications were rejected.

(b) Progress Report submitted by PhD students for Semester 1, 2017-2018 and award of grade for the course DTD899 (Doctoral Thesis).

On the basis of the progress reports submitted by the PhD students, it was decided to award a satisfactory (X) grade to all the students for the semester in DTD899 course and the committee authorized the Chairman DRC to forward all the progress reports to the PG section. (Action: Convenor DRC to upload the grades, and Chairman DRC to forward the letter to Dean - Academics)

The meeting ended with thanks to all members.

Shilpi Sharma
Convenor, DRC

Distribution

All DRC members and other DBEB faculty (by email)