

**Department of Biochemical Engineering & Biotechnology**  
**Minutes of DRC meeting No.01/2012-13**

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3<sup>rd</sup> January, 2013

The first meeting of the Departmental Research Committee (DRC) for the session 2012-2013 (**No. 1/2012-2013**) was held on November 29, 2012 at 4 pm in the Committee Room of the Department. The following members were present:

Prof. Prashant Mishra (Chairperson)  
Prof. V. S. Bisaria  
Prof. Saroj Mishra  
Prof. A.K. Srivastava  
Prof. T. R. Sreekrishnan  
Dr. Ritu Kulshreshtha  
Dr. Shilpi Sharma  
Dr. D. Sundar  
Dr. Atul Narang (Convener)

At the outset of the meeting DRC Chairman applauded the work done by the previous DRC Chairperson and the DRC members.

***Item No. 1: Confirmation of minutes of DRC meeting on Sept 6, 2012.***

The minutes of Meeting No. 7/2011-2012 held on September 6, 2012, were confirmed as circulated.

***Item No. 2: Matters arising out of the minutes.***

There were no matters arising out of the above minutes.

***Item No. 3: Discussion of short listing criteria, date and mode of conduct of Test/Interview for PhD admissions***

Chairman DRC was authorized to finalize the short listing criteria, keeping in view the short listing criteria of Ist Semester 2012-13 and applications received. It was also felt that the written test may be conducted if the number of short listed candidates are 100 and above. A committee consisting of Dr. D. Sundar, Dr. Praveen Kaul, and Dr. Atul Narang was constituted for short listing of candidates. Another committee consisting of Prof. Prashant Mishra, Dr. Ritu Kulshreshtha, Dr. Shilpi Sharma, and Dr. D. Sundar was constituted to conduct written test (if required). The written test and interview for PhD admissions was decided to be held on December 20, 2012.

***Item No. 4: Comprehensive Examination 2013:***

It was decided that the comprehensive examination 2013 would be held on January 24-25, 2012. Profs. A. K. Srivastava and V. S. Bisaria have kindly agreed to coordinate the Engineering and Biology parts of the examination.

***Item No. 5: Plan of Work for Ph.D. thesis titled 'Quantitative cooperative studies of volumetric flux and protein transmission in various UF modules' submitted Mr S. Premnath S (2010 BEZ 8764)***

The plan of work for Ph.D. thesis titled 'Quantitative cooperative studies of volumetric flux and protein transmission in various UF modules' submitted Mr S. Premnath S (2010 BEZ 8764) was discussed and based on the recommendation of SRC it was approved.

**Item No. 6:** *Plan of Work for Ph.D. thesis titled 'Magnetic iron oxide nanoparticles encapsulated within PLGA for drug delivery' submitted Ms Surbhi Goel (2010 BEZ8763)*

The plan of work for Ph.D. thesis titled 'Magnetic iron oxide nanoparticles encapsulated within PLGA for drug delivery' submitted by Ms Surbhi Goel (2010 BEZ8763) was discussed and based on the recommendation of SRC it was approved.

**Item No. 7:** *Plan of Work for Ph.D. thesis titled 'Energy Neutral Thermophilic sludge digestion and metal leaching Process' submitted by Ms Akanksha Mehrotra (2011 BEZ 8222).*

The plan of work for Ph.D. thesis titled 'Energy neutral thermophilic sludge digestion and metal leaching Process' submitted by Ms Akanksha Mehrotra (2011 BEZ 8222) was discussed and based on the recommendation of SRC it was approved.

**Item No. 8:** *Synopsis of Ph.D. thesis entitled 'Enzyme catalyzed transglycosylation for synthesis of alkyl- glucosides and oligosaccharides using whole cells of Microbacterium sp'.submitted by Ms. Swati Ojha (2007BEZ8178).*

The committee discussed and approved the synopsis of Ph.D. thesis entitled 'Enzyme catalyzed transglycosylation for synthesis of alkyl-glucosides and oligosaccharides using whole cells of Microbacterium sp' submitted by Ms. Swati Ojha (2007BEZ8178). The Committee also discussed and approved the panel of Examiners and authorized the Chairman to forward the same to Dean (Academics).

**Item No.9** *Synopsis of Ph.D. thesis entitled 'Effect of process parameters on microbial community profile in a high cell density anaerobic bioreactor' submitted by Ms Kankana Kundu (2008 BEZ 8280)*

The committee discussed and approved the synopsis of Ph.D. thesis entitled 'Effect of process parameters on microbial community profile in a high cell density anaerobic bioreactor' submitted by Ms Kankana Kundu (2008 BEZ 8280). The Committee also discussed and approved the panel of Examiners and authorized the Chairman to forward the same to Dean (Academics).

**Item No.10.** *A letter received from Ms Sana Naz for change of title of her M.Tech. thesis*  
The change of title for Ms. Sana Naz's M. Tech. thesis was discussed and approved the new title "Measurement of intracellular cyclic AMP levels in *Escherichia coli*."

**Item No.11.** *A letter received from Mr CSS Pavan for change of title of his M.Tech thesis*

The change of title for Mr. C. S. S. Pavan's M. Tech. thesis was discussed and approved the new title 'On the mechanism of cooperativity of induction in the lactose operon of *Escherichia coli*.'

**Item No.12.** *Any other items with the permission of the Chair.*

- a. The committee discussed and approved the synopsis of Ph.D. thesis entitled 'Development of novel expression systems in *Escherichia coli* and *Corynebacteria*' submitted by Javed Eqbal (2007 BEZ 8357). The Committee also discussed and approved the panel of Examiners and authorized the Chairman to forward the same to Dean (Academics).
- b. A request received for the transfer of Mr. Harshit Malhotra's M. Tech. thesis project from Prof. T. R. Sreekrishnan to Dr. D. Sundar was discussed and approved.

*Atul Narang.*

Atul Narang  
(Convener, DRC)

