

Department of Biochemical Engineering and Biotechnology

Minutes of the meeting of
Departmental Research Committee (DRC)
(DRC-08/2016-2017)

May 15, 2017

The eighth meeting of the *Departmental Research Committee* (DRC) for the academic session 2016-2017 was held on **Monday, May 15, 2017 at 1 PM** in the Committee Room (I-230) of the Department.

The following members were present:

Prof. T.R. Sreekrishnan (*Chairman*)
Prof. Atul Narang
Prof. Saroj Mishra
Prof. A.K. Srivastava
Prof. Prashant Mishra
Prof. Ritu Kulshreshtha
Prof. Preeti Srivastava
Prof. Ziauddin Shaikh Ahammad
Prof. Ashish Misra
Prof. D. Sundar (*Convener*)

Item No. 1 - To confirm the minutes of the 7th meeting of the DRC for the session 2016-2017 (DRC-07/2016-2017) held on April 26, 2017.

The Convener, while giving details of the comments received on Item # 7 on the minutes of the last meeting by Prof. V.S. Bisaria, sought the confirmation of the minutes. The members agreed to confirm the minutes of the DRC meeting No. 07/2016-2017 as circulated earlier.

Item No. 2 - Matters arising out of the minutes of DRC-07/2016-2017.

None

Item No. 3 - Allotment of major projects for students who will be pursuing BTP-1 and MTP.

The Committee approved the allotment of projects for students who will be pursuing BTP-1 and MTP based on the choices and availability (**Annexure 1**). The Committee noted that some students were yet to submit their choice of projects. The Committee recommended that the other students, who may register for the MTP course in the future, could be asked to discuss their research interests with the faculty members, so that the concerned faculty could float related MTP projects.

Item No. 4 - Report on Comprehensive Examination and Approval of Research Plan of the following PhD students.

The Plan of Work for PhD submitted by the following students were discussed, and based on the recommendations of the respective SRCs, it was approved:

Sl.	Student	Entry Number	Supervisor(s)
1	Jananee Jaishankar	2015BEZ8350	PS
2	Rohit Khandelwal	2015BEZ8355	VSB & PS
3	Nitu Maity	2015BEZ8502	SM

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

Item No. 5 - Request received from MSR student Mr. Arif Nissar Zargar (2016BEY7504) for conversion of his MSR registration to PhD program.

The Committee discussed the academic performance of Mr. Arif Nissar Zargar and recommended his registration for Ph.D. Program. The committee authorized Chairman DRC to forward the application to Dean (Academics).

(Action: Chairman DRC)

Item No. 6 - A note received from Prof. Atul Narang seeking recommendation for providing *Assistantship* to his PhD student Mr. Ritesh Aggarwal (2010BEZ8846) from one his sponsored projects in IRD.

The Committee discussed & approved the award of *Assistantship* to the PhD student Mr. Ritesh Aggarwal (2012BEZ8846) from one of the sponsored projects of Prof. Atul Narang through IRD.

(Action: Prof. Atul Narang)

Item No. 7 - A note received from Prof. P.K. Roychoudhury and Prof. Prof. Shaikh Ziauddin Ahammad for floating a new PhD topic titled '*Strategies for the production of breast cancer monoclonal antibodies by using designed perfusion model*'.

Since Prof. P.K. Roychoudhury will be superannuating in January 2019 and his availability/continued guidance to a student as a *Joint-Supervisor* could not be ascertained, the Committee did not approve the PhD topic to be floated to the new students.

Item No. 8 - Application received from Ms. Eishita Koley for part-time PhD program in the Department.

On scrutiny of the application, the Committee decided to ask the candidate to furnish more details about her research interests and interview the candidate after the summer vacation.

(Action: Convener DRC)

Item No. 9 – To report the matters for ratification by the DRC.

a) *The Committee ratified the approval accorded by the Chairman DRC or Head of the Department on the following projects proposals submitted by the Departmental Faculty:*

Sl.	Project Title	Project Investigators	Funding Agency
1	To develop a scale-up oroduction module for Gibberellic acid GA production system as an indigenous source for use in Indian Agriculture	A.K. Srivastava (PI) M/s. Phytotron, Bangalore (Industrial Partner)	Uchhatar Avishkar Yojna (MHRD)
2	Rapid diagnosis of neonatal candidemia through a novel in-house prepared portable and cost-effective spot immunomagnetic enrichment device (SiMED).	Ravi Elangovan (PI) Dr Vikas Manchanda, MAMC PI from MAMC & Dr Karnika Sehgal, PI from Chacha Nehru Bal Chikitsalaya	DBT-ICMR

b) Report on Approval of Research Plan of the following MSR student

Sl.	Student	Entry Number	Supervisor
1	Nakul Aggarwal	2016BEY7502	ZAS

Item No. 10 - Any other item with the permission of the Chair.

a) An email received from Prof. Mir Saeed Seyed Dorraji of the Department of Chemistry, University of Zanjan, Zanga, Iran for the possibility of submitting a joint research proposal under the joint CFP 'Iran-India Cooperative Research Projects':

The Committee recommended that Prof. Dorraji be advised that he could interact with the interested faculty members of the Department to develop a joint proposal.

(Action: Convener DRC)

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



D. SUNDAR
DRC Convener

Distribution

All DRC members and other DBEB Faculty (by email)

Cc: DRC File

Allotment of topics for BTP-1

Sl.	Entry Number	Student	Topic	Supervisor
1	2014BB10029	Archit Kumar	Expression of reporter gene to check stability of shuttle vectors in <i>Bacillus</i> species	AM

Allotment of topics for MTP

Sl.	Entry Number	Student	Topic	Supervisor
1	2013BB50036	Shailly Dharawat	To study mass cultivation of callus of <i>Azadirachta indica</i> in a newly developed bioreactor design	AKS
2	2012BB50021	Ramesh Chand Meena	Preparation of molecularly imprinted polymers for separation of pharmaceutical drugs	PM
3	2013BB50013	Divya Chaudhary	Deciphering miRNA: target interactions in cancer	RK
4	2013BB50010	Devendra Singh	Evaluating parameters affecting whole cell catalyzed synthesis of fructo-oligosaccharides	SM
5	2013BB50026	Priyanshu Agarwal	Some ways of discrimination between localized and delocalized mechanisms in biological energy coupling	SN
6	2013BB50027	Raj Kumar	Simulation of flux-force relationships of biological energy coupling	SN
7	2013BB50004	Arogya Rajkumar Gummadi	Effect of nitrogen on granulation of methanogenic bacteria	TRS
8	2013BB50034	Satyarth Gupta	<i>Title yet to be finalized</i>	VSB