

Department of Biochemical Engineering and Biotechnology

**Minutes of the meeting of
Departmental Research Committee (DRC)
(DRC-03/2016-2017)**

December 01, 2016

The third meeting of the *Departmental Research Committee* (DRC) for the academic session 2016-2017 was held on **Thursday, December 01, 2016 at 9:30 AM** 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
Dr. Shilpi Sharma
Dr. Ritu Kulshreshtha
Dr. D. Sundar (*Convener*)

Item No. 1 - To confirm the minutes of the 2nd meeting of the DRC for the session 2016-2017 (DRC-02/2016-2017) held on November 08, 2016.

The Minutes of the DRC meeting No. 01/2016-2017 were confirmed as circulated.

Item No. 2 - Matters arising out of the minutes of DRC-01/2016-2017.

None

Item No. 3 - A note received from Dr. Ritu Kulshreshtha for approval of a new PhD project titled '*Elucidation of role of neural differentiation factors in glioblastoma*' for allotment to PhD student Mr. Anirban Jana (2016BEZ8004).

The Committee approved the project titled '*Elucidation of role of neural differentiation factors in glioblastoma*' and allotted it for the PhD student Mr. Anirban Jana (2016BEZ8004).

Item No. 4 - Allotment of Projects to 2016 July-entry PhD students - Mr. Anirban Jana (2016BEZ8004) and Mr. Navojdit Kumar Singh (2016BEZ8009).

The Committee approved the allotment of projects to the two 2016 July-entry PhD students as given below:

Sl. No.	Student	Project Title	Supervisor
1	Anirban Jana (2016BEZ8004)	Elucidation of role of neural differentiation factors in glioblastoma	Ritu Kulshreshtha
2	Navojdit Kumar Singh (2016BEZ8009)	Production of poly-(3-hydroxybutyrate) (PHB) and its derivatives in different novel airlift bioreactor configurations	A.K. Srivastava

The respective Supervisors are required to submit requests to DRC for constitution of SRC.

Item No. 5 - Synopsis of the PhD thesis submitted by the following students:

SI	Student	Supervisor	Pre-PhD Seminar date	Thesis Title
1	Shashank Katiyar (2012BEZ8189)	DS	Nov 16, 2016	Understanding the molecular mechanism of action of withanolides from Ashwagandha
2	Ashwani Gautam (2011BEZ8481)	SM	Nov 17, 2016	Maximizing expression of Granulocyte Colony Stimulating Factor in <i>Pichia pastoris</i> through host selection, process optimization and gene dosage strategy
3	Swati Jasiwal (2009BEZ8506)	PM	Nov 30, 2016	Nanoparticle encapsulated bio-active formulations for drug discovery

The Committee discussed and approved the synopsis submitted by the above PhD students. The Committee also approved the panel of Examiners and authorized the Chairman to forward the same to Dean (Academics).

(Action: 1 Thesis Supervisors 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)

Item No. 6 - Admission test/interview to be conducted for PhD program on December 06, 2016.

The DRC Convener informed the Committee that 75 students have been shortlisted for the admission test on December 06, 2016. The Chairman DRC was authorized to shortlist the candidates for interview based on their performance in written test. The Chairman DRC will coordinate the setting of question paper. A Committee consisting of Dr. Ritu Kulshreshtha, Dr. Ravikrishnan Elangovan and Dr. Ashish Misra was constituted to conduct the examination and evaluate the answer scripts. All the DRC members were requested to be available on December 06, 2016 to participate in the conduct of entrance test and interview.

The Committee noted that the Institute has doubled the number of PhD slots allocated for the Department from 90 to 180. The details of PhD slots available as on November 16, 2016 is given in **Annexure - 1**.

Item No. 7 - Any other item with the permission of the Chair.

a) *Award of grade for the course DTD899 (Doctoral Thesis) – Semester 1, 2016-2017.*

It was informed by the Chairman that PhD students have been informed to submit their Progress Reports for Semester 1, 2016-2017 in the online system (<http://academic.iitd.ac.in/academic>) by December 01, 2016 and submit the the online-generated PDF report to the Department Office by December 05, 2016. The Supervisors are requested to record their recommendations as satisfactory or unsatisfactory progress in the report before the students submit it to the office. The Committee authorized the Chairman DRC to award the letter grade X (satisfactory progress) or U (unsatisfactory progress) for the PhD students, based on the recommendations of the Supervisors, and forward it to Dean (Academics) before the deadline December 15, 2016.

(Action: PhD students, PhD Supervisors, Chairman DRC)

b) *Allotment of M.Tech Major Projects (MTP)*

It was informed by the Chairman that M.Tech Major Projects have to be allotted for four final year dual degree students, who will be starting their MTPs in the ensuing semester (Mr. Avijeet Singh Jaswal, Ms. Anant Preet, Mr. Ankit Dutt and Mr. Nikhil Kanojia). The faculty members were requested to float new projects immediately and the Chairman was authorized to allot the projects to the students based on the choices to be indicated by them.

(Action: All faculty to send MTP topics to the DRC convener)

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

PhD Slots as on November 16, 2016

Department/ Centre/ School	*Sanctioned Faculty Strength	Institute Assistantship												Total Instt. Assistantship			Students in Addl. Categories			Total of All Categories		
		GEN			SC			ST			OBC			S	P	V	QIP#1	FN#1	PH#1	S	P	V
		S	P	V	S	P	V	S	P	V	S	P	V									
Applied Mechanics	27	35	27	8	10	2	8	5	0	5	18	5	13	68	34	34	2	0		270	81	189
D.B.E.B	18	23	16	7	7	3	4	3	0	3	12	7	5	45	26	19	1			180	57	123
Chemical Engg.	31	40	24	16	12	5	7	6	1	5	21	12	9	78	42	36	1	4		310	147	163
Chemistry	28	36	20	16	11	0	11	5	0	5	19	5	14	70	25	45				280	133	147
Civil Engg.	47	61	50	11	18	11	7	9	2	7	32	13	19	118	76	42	10	13		470	247	223
Computer Sc. & Engg.	31	40	23	17	12	1	11	6	0	6	21	0	21	78	24	54	0	3		310	54	256
Electrical Engg.	57	74	79	-5	21	8	13	11	2	9	39	15	24	143	104	39	5	1		570	304	266
Hum. & Soc. Sc.	37	48	37	11	14	2	12	7	0	7	25	7	18	93	46	47	1	1		370	98	272
Mathematics	25	32	9	23	9	0	9	5	0	5	17	2	15	63	11	52				250	52	198
Management Studies	22	28	28	0	8	4	4	4	0	4	15	2	13	55	34	21	2	2		220	119	101
Mechanical Engg.	44	57	53	4	17	8	9	8	1	7	30	11	19	110	73	37	8	5		440	168	272
Physics	43	56	31	25	16	9	7	8	1	7	29	15	14	108	56	52	1	0		430	169	261
Textile Technology	24	31	10	21	9	2	7	5	0	5	16	2	14	60	14	46	1	0		240	51	189
C.A.R.E.	12	15	11	4	5	2	3	2	0	2	8	1	7	30	14	16	1	0		120	37	83
C.A.S.	16	21	17	4	6	0	6	3	0	3	11	4	7	40	21	19				160	47	113
C.B.M.E.	11	14	12	2	4	0	4	2	0	2	8	4	4	28	16	12	1			110	53	57
C.E.S.	24	31	21	10	9	2	7	5	0	5	16	12	4	60	35	25	3	1		240	100	140
C.P.S.E.	7	9	12	-3	3	1	2	1	1	0	5	2	3	18	16	2				70	34	36
C.R.D.T.	11	14	11	3	4	2	2	2	0	2	8	4	4	28	17	11				110	53	57
I.T.M.M.E.C.	6	8	6	2	2	1	1	1	0	1	4	4	0	15	11	4		1		60	19	41
I.D.D.C.	13	17	3	14	5	2	3	2	0	2	9	2	7	33	7	26				130	16	114
School of Biological Sc.	12	15	17	-2	5	0	5	2	0	2	8	1	7	30	18	12		0		120	63	57
TRIPP	0	0	3	-3	0	0	0	0	0	0	0	0	0	0	3	-3				0	11	-11
NRCVEE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				0	6	-6
B.S.T.T.M.*		10	11	-1	3	0	3	2	0	2	5	1	4	20	12	8				50	49	1
Amar Nath School of I.T*		7	10	-3	2	0	2	1	0	1	4	0	4	13	10	3				32	28	4
Total	546	722	541	181	212	65	147	105	8	97	380	131	249	1371	745	659	37	31	0	5542	2196	3346

** Faculty for B.S.T.T.M and Amar Nath School of I.T. is not shown as they donot have Permanent Faculty.