

**Department of Biochemical Engineering and Biotechnology**  
**MINUTES OF DRC MEETING**  
(DRC-011/2019-2020)

Dated: 18<sup>th</sup> Aug 2020

The eleventh meeting of *Departmental Research Committee* (DRC) for the academic session 2019-2020 was held on 18<sup>th</sup> Aug 2020 at 11.00 am by video conferencing

The following members were present:

Prof. Shilpi Sharma (*Chairperson*)

Prof. T. R. Sreekrishnan

Prof. D. Sundar

Prof. Ritu Kulshrestha

Prof. Preeti Srivastava

Prof. Rohan Jain

Prof. R. Elangovan (*Convenor*)

1. To confirm the minutes of the 10th meeting of the DRC for the session 2019-2020 held on 20<sup>th</sup> July 2020, and special meetings held on 27<sup>th</sup> July 2020 and 30<sup>th</sup> July 2020

The minutes of the 10th meeting of the DRC for the session 2019-2020 held on 20<sup>th</sup> July 2020, and special meetings held on 27<sup>th</sup> July 2020 and 30<sup>th</sup> July 2020 were confirmed with the following modification:

- Topic for MTP mentioned in Annexure 1, DRC-10/2019-2020 (Agenda Item 4) for Pradhumn Engle to be changed to “Development of an accurate method for measuring the mass transfer coefficient in bioreactors”, under the supervision of Prof Atul Narang.

2. To report the matters arising from minutes of Meeting No. 10/2019-2020, and special meetings dated 27<sup>th</sup> July 2020 and 30<sup>th</sup> July 2020.

None reported

3. Nomination for PMRF

The committee looked into the applications of students eligible for nomination for PMRF under the “direct entry” mode (Entry Sem I, 2020-21) and recommended the candidature of Ms Subhashree Pagal for the fellowship. This was based on her performance in the interview, her GATE score and her marks/grades in the qualifying examination.

One application was received from departmental student for nomination under the “lateral entry” mode, but the candidate was found ineligible as he had not completed 4 courses as per eligibility criteria for the fellowship.

*(Action: DRC Chairperson to forward the nomination to Dean Academics)*

4. New PhD proposal

Ph.D. proposal “Development of a process for tunable production of biosurfactants” submitted by Prof. Preeti Srivastava and Prof. D. Sundar, circulated to DRC members by email, was approved.

5. Allotment of topic to Jyoti Sharma (2015BEZ8503) and constitution of SRC

As per recommendation received from Dean Academics, Ms Jyoti Sharma was allotted a new Ph.D. project entitled “Development of a process for tunable production of biosurfactants” under the supervision of Prof. P. Srivastava and Prof. D. Sundar. A fresh SRC was constituted for her as follows:

Chairperson	Prof. Shilpi Sharma
Internal Expert	Prof. Rohan Jain
External Expert	Prof. Ashok Patel, KSBS
Supervisors	Prof. P. Srivastava and D. Sundar

The supervisors were advised to conduct the Plan of Work presentation of Jyoti Sharma at the earliest.

## 6. Comprehensive examination of Ph.D. students

The committee decided to wait for another three months before deciding upon the date and modality for Paper I of Comprehensive examination for PhD students. The Committee also decided to wait for some more time for according permission for the SRCs to conduct the Paper 2 Written Comprehensive Exam for those students who passed in the Paper 1 Written Comprehensive Exam that was conducted in January 2020. Going forward, it was recommended that Paper 2 Written Comprehensive Exam be scheduled for all eligible students in consultation with the DRC Chair.

## 7. Offering positions to MSR entry Sem I, 2020-21

Further to the merit list drawn for admission of applicants to M.S. Res programme of DBEB (Sem I, 2020-21), in view of the vacancy in the programme, the committee decided to offer positions to 6 more applicants with a GATE score of 675 and above for entry in Sem I, 2020-21.

## 8. To report the matters for ratification by the DRC

### (a) Project proposals submitted by departmental faculty

S. No	Project Title	Project Investigator	Funding Agency
1	Development of a process for tunable production of biosurfactants for desludging of oil	PS	PCRA
2	Recovery of Ga, Ge and In through innovative biotechnology and process integration	RJ	Ministry of Mines
3	D-Spectre – Mineralogical analysis of ores / mining wastes using hyperspectral image processing	TRS	Ministry of Mines
4	Nanomedicine and Gene Therapy to Treat Glioblastoma	RK	UQ-IITD

The above projects were circulated to members, since no specific comments were received the projects were forwarded to the concerned authorities and the item was ratified.

### (b) Requests for extension of Financial support by the Institute

Name	Programme	Duration of extension (date of registration)
Aditi Keshav (2018BEY7514)	MSR	3 months (20th July 2018)
Praveen K Singh (2018BEY7513)	MSR	6 months (20th July 2018)
Nidhi Solanki (2018BEY7508)	MSR	6 months (20th July 2018)
Abhijit	MSR	6 months (21 <sup>st</sup> July 2018)
Upma Singh (2015BEZ8004)	PhD	6 months (23rd July 2015)
Deepak Prasad (2015BEZ8001)	PhD	6 months (21st July 2015)

Requests received from MSR (2018 Entry) and Ph.D. students (2015 entry) for financial support by the Institute were forwarded.

## 9. Matters for information

### (a) Selection of students from NIT Warangal under the exchange programme with IITD for direct entry into PhD

Offer letters for admission as special exchange students (NIT Warangal) were issued by the Dean Academics to the two students recommended by DRC (special DRC meeting held on 10<sup>th</sup> July 2020) under the MoU between NIT Warangal and IITD through the direct admission to PhD scheme. Mentors were assigned to the students as follows:

- |     |              |                  |
|-----|--------------|------------------|
| i.  | Ashish Kumar | Prof. D. Sundar  |
| ii. | Ratna Dubey  | Prof. Z. Ahammad |

10. Any other item with the permission of Chair

- Sayak Banerjee (bb5150014) was assigned the MTP topic “3D printed microfluidics chips for automated sample processing” under the supervision of Prof R. Elangovan.
- Mayank Modi (bb5150008) was assigned MTP topic under the supervision of Prof Sunil Nath.
- SRC meeting of Ph.D. students to monitor their progress: The Committee noted that the SRC meetings were not being conducted regularly to evaluate the progress of Ph.D. students (list compiled as Annexure 1). It was reiterated that SRC meetings should be conducted atleast once in an academic year starting AY 2020-2021 onwards, failing which the DRC may not recommend forwarding the progress reports and awarding a satisfactory grade in DTD899 for these students.

S. Sharma  
Chairperson, DRC

**Distribution**

Faculty, DBEB (by email)

**SRC meetings conducted in 2019 and 2020 for Ph.D. students of DBEB (based on information received from students and/or their supervisors)**

Entry no.	Name	Supervisor	SRC meeting in 2019	SRC meeting in 2020
bez178288	Anika Goyal	AKS	Not conducted	Not yet conducted
bez158352	Rabab Anjum	AKS	Not conducted	Not yet conducted
bez168009	Navodit K. Singh	AKS	22 May 2019	Not yet conducted
bez188243	Sakshi	AM	Not conducted	23 Jan 2020
bez168008	Ngangom Pravina Devi	AM	2 April 2019	23 Jan 2020
bez158357	Arun Thapa	AM	Not conducted due to medical reasons	Feb 26, 2020
bez168335	Biju Jacob	AN	May 07, 2019	Not yet conducted
bez187509	Vipul Kumar	DS		Jan 03, 2020
bez187512	Yogesh Kalakoti	DS		Jan 03, 2020
bez188440	Seyad Shefrin N	DS		Oral Comprehensive yet to be conducted
bez178293	Dhvani Sandip Vora	DS	Jan 10, 2019 and Aug 14, 2019	Not yet conducted
bez178438	Navaneethan Radhakrishnan	DS	July 16, 2019	Not yet conducted
bez198667	Debasa Mukherjee	LED		Oral Comprehensive yet to be conducted
bez188239	Kritika Narula	PM		Jan 14, 2020
bez188437	Debashree Kar	PM		Oral Comprehensive yet to be conducted
bez178291	Soumya Rajpal	PM	Not conducted	Not yet conducted
bez168007	Ritu Bhardwaj	PM	Not conducted	Not yet conducted
bez198669	Nidhi Nitin Patil	PS		Oral Comprehensive yet to be conducted
bez188441	Shabnam Parwin	PS		Oral Comprehensive yet to be conducted
bez167504	Arif Nissar Zargar	PS	Not conducted	10 Jan 2020
bez158350	Jananee Jaishankar	PS	18 July 2019	Synopsis: 26 June 2020
bez158355	Rohit Khandelwal	PS & VSB	Not conducted	June 11, 2020
bez178289	Sneha Kumari	RE	July 17, 2019	Not yet conducted
bez178290	Arti Tyagi	RE	July 17, 2019	Jan 03, 2020
bez168558	Shefali Singh	RE	July 17, 2019	Not yet conducted
bez158503	Jyoti Sharma	RE	July 17, 2019	Jan 09, 2020
bez198187	Rewati Dixit	RJ	No SRC meeting as joined in July 2019	Not yet conducted
bez198182	Aastha Singh	RK		Oral Comprehensive yet to be conducted
bez198186	Rahul Gupta	RK		Oral Comprehensive yet to be conducted
bez188241	Garima Yadav	RK	November 26, 2019	Not yet conducted
bez178286	Indranil Mondal	RK	24 May 2019	Not yet conducted
bez168004	Anirban Jana	RK	November 26, 2019	Not yet conducted

bez158353	Srishti Srivastava	RK	November 25, 2019	Not yet conducted
bez178292	Aakanksha Ahlawat	SM	27 July 2019	June 26, 2020
bez158354	Manju	SM & PS	27.3.2019, 31.5.2019	4 Mar 2020
bez188436	Avijeet Singh Jaswal	SM & RE	Plan of work on 28.11.2019	Not yet conducted
bez177534	Shubham Dubey	SS	10 July 2019	14 Jan 2020
bez178287	Shivani Khatri	SS	16 July 2019	June 29, 2020
bez168005	Priyanka	SS	11 Dec 2019	Not yet conducted
bez168325	Swati Varshney	SS	10 July & 3rd Dec 2019	Not yet conducted
bez158004	Upma Singh	SS	4 Dec 2019	Not yet conducted
bez188240	Deepchandra Joshi	TRS	Dec 03, 2019	Not yet conducted
bez188442	Sidra Ghazali Rizvi	TRS		Oral Comprehensive yet to be conducted
bez198183	Arjun Rastogi	TRS & GPA		Oral Comprehensive yet to be conducted
bez158358	Shashi Kumar	TRS & GPA	Not conducted	Not yet conducted
bez178285	Priyanka Dubey	TRS & RJ	Student on Foreign exchange	Not yet conducted
bez198189	Surabhi Mishra	ZAS		Oral Comprehensive yet to be conducted
bez188438	Partha Pratim Mondal	ZAS		Oral Comprehensive yet to be conducted
bez188439	Salina Tigga	ZAS		Oral Comprehensive yet to be conducted
bez178418	Rupsa Chatterjee	ZAS	Not conducted	Not yet conducted
bez158001	Deepak Kumar Prasad	ZAS	July 2017	Not yet conducted
bez158351	Rishabh Shukla	ZAS	Not conducted	Not yet conducted
bez168559	Deepak Sharma	ZAS & TRS	May 09, 2019	Not yet conducted

Updated till 12 noon, 18<sup>th</sup> Aug 2020