

**Department of Biochemical Engineering and Biotechnology**

**MINUTES OF DRC MEETING**

(DRC-010/2019-2020)

Dated: 24<sup>th</sup> July 2020

The tenth meeting of *Departmental Research Committee* (DRC) for the academic session 2019-2020 was held on 20<sup>th</sup> July 2020 at 11.00 am by video conferencing

The following members were present:

Prof. Shilpi Sharma (*Chairperson*)

Prof. T. R. Sreekrishnan

Prof. Atul Narang

Prof. D. Sundar

Prof. Ritu Kulshrestha

Prof. Preeti Srivastava

Prof. Rohan Jain

Prof. R. Elangovan (*Convenor*)

1. To confirm the minutes of the 9th meeting of the DRC for the session 2019-2020 held on 2<sup>nd</sup> July 2020, and special meeting held on 10<sup>th</sup> July 2020.

The minutes of the 9th meeting of the DRC for the session 2019-2020 held on 2<sup>nd</sup> July 2020, and special meeting held on 10<sup>th</sup> July 2020 were confirmed as circulated.

2. To report the matters arising from minutes of Meeting No. 09/2019-2020, and special meeting dated 10<sup>th</sup> July 2020

None reported.

3. Shortlisting of candidates for PhD stage 2 interview

Based on the performance of the candidates in the Stage I interview conducted on 17<sup>th</sup> July 2020, a total of 93 students were shortlisted for Stage 2 interview. It was decided to conduct the interviews from 22-24<sup>th</sup> July 2020 using MS Teams online platform.

4. Allocation of MTP projects for 2020-21 year.

Based on the interest expressed by students, MTP projects were allocated as per Annexure I.

5. Request from Debjani Das (2019BEZ8668) to discontinue Ph.D. program.

Request received from Debjani Das to exit the Ph.D. programme on personal ground was forwarded to Dean Academics.

6. Update on progress of MSR (2018 Entry) students

Updates were requested from the respective supervisors of four MSR students (Abhijit Solanki, Aditi Keshav, Nidhi Singh, Praveen Kumar Singh) of Entry 2018. An additional time of approximately three months was estimated for completion of their thesis.

7. Nomination process for PMRF

A sub-committee comprising of Prof Ritu Kulshrestha and Prof Rohan Jain was constituted to initiate the process of seeking applications for nominations from 2018 and 2019 entry Ph.D. students of the department for lateral entry mode for PMRF.

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
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1	Development of low-cost single-cell long-read sequencing platform to investigate the molecular origin of human disease at high resolution	Ishaan Gupta	IITD (New Faculty grant)
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The above project was circulated to members, since no specific comments were received the project was forwarded to Dean R&D and the item was ratified.

Ravikrishnan E  
Convenor, DRC

**Distribution**

Faculty, DBEB (by email)

## Allotment of MTP topics to Dual Degree students

S.No	Student Name	Topic	Faculty
1	Harman Mehta	Computational (and experimental) approaches for microbial metabolic engineering	AM
2	Aditya Rathi	Computational approach for drug discovery	DS
3	Ayush Chachan	<u>(Biotechnology) : "Development of low-cost solution for bio-separation of Nucleic acids using phase, charge and diffusion based methods"</u>	IG
4	Sudhish P	<u>(Computational/Bioinformatics): "Non-random distribution of tri-nucleotides in proteins: Towards a theoretical understanding of Protein 3D structure"</u>	IG
5	Parth Bhardwaj	Electroactive Delhi: Growth of electrochemically-active microorganisms from local sediments.	LED
6	Madishetty Sai Teja	Nanocomposite hydrogels for antibacterial properties	PM
7	Surbhi Gupta	Design and synthesis of chiral supramolecular hydrogels for biomedical applications.	PM
8	Robin Chaudhary	Cloning and expression of the enzyme responsible for asphaltene biotransformation.	PS
9	Shubham Mehrol	Characterization of CHAP domain containing proteins and their role in cell morphogenesis in <i>Rhodococcus erythropolis</i> PR4.	PS
10	Md. Ahraz Zahir	Optimization of desferrioxamine B production by flux analysis	RJ
11	Pradhumn Engle	Understanding the Interaction of peptides with selenium nanoparticles using DFT	RJ
12	Saksham Sharma	To study the role of genes in regulation of immune response in cancer	RK
13	Babu Lal Meena	Development of Digital ELISA	RKE
14	Parth Mittal	Storage of microbiome for agricultural amendment	SS
15	Pratibha Bhardwaj	Generation of Synthetic Microbial Community for stress mitigation in arable land	SS
16	Sayak Banerjee	To be decided	RKE
17	Mayank Modi	To be allocated	