

Department of Biochemical Engineering and Biotechnology

Minutes of DRC meeting

(DRC-1/2021-2022)

Dated: 11th Aug 2021

The first meeting of the Departmental Research Committee (DRC) for the academic session 2021-2022 was held on 11th Aug 2021 at 2.30 pm by video conferencing.

The following members were present:

Prof. Shilpi Sharma (Chairperson)
Prof. D. Sundar
Prof. T. R. Sreekrishnan
Prof. Atul Narang
Prof. Ritu Kulshreshtha
Prof. Preeti Srivastava
Prof. Rohan Jain
Prof. Ishaan Gupta

1. To confirm the minutes of the 8th meeting of the DRC for the session 2020-2021 held on 23rd June 2021, and special DRC meetings held on 13th July 2021 and 29th July 2021.

The minutes were confirmed as circulated.

2. To report the matters arising from minutes of Meeting No. 08/2020-2021 and special DRC meetings held on 13th July 2021 and 29th July 2021.

None.

3. Plan of work for the following Ph.D. students:

(a) Aastha Singh (2019BEZ8182): Deciphering the role of microRNAs in the regulation of EMT in breast cancer

(b) Rahul Gupta (2019BEZ8186) Deciphering the role of hypoxia regulated non-coding RNAs in the induction of genome instability in glioblastoma

The plan of work for Ms Aastha Singh and Mr Rahul Gupta was approved based on recommendations by their respective SRCs.

4. Selection of Ph.D. students for Prime Minister's Research Fellowship (PMRF), Sem 2, 2020-21

The DRC recorded the selection of Ms Rewati Dixit (2019BEZ8187) and Ms Aastha Singh (2019BEZ8182) for the Ph.D. programme under the Prime Minister's Research Fellow Scheme through Lateral Entry channel in DBEB with effect from 3rd Feb 2021. The conversion of fellowship from CSIR-JRF and Institute fellowship for Ms Aastha, and Ms Rewati, respectively was duly noted.

5. Synopsis of Ph.D. thesis of Ms Srishti Srivastava (2015BEZ8353) entitled "Investigating the role of mediator complex subunit, MED12 in glioblastoma"

The Committee discussed and approved the synopsis submitted by the Ph.D. student Ms Srishti Srivastava. The Committee also approved the panel of Examiners and authorized the Chairperson to forward the same to Dean (Academics).

(Action: 1 Thesis Supervisor to send the following documents to the DRC Chairperson: (a) Filled-in form for Ph.D. 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, Chairperson DRC to forward it to Dean-Academics)

6. Allotment of topic to Ph.D. student, Shubham Sharma (2020BEZ7520)

Shubham Sharma (2020BEZ7520) was assigned the topic "Engineered antibacterial nanomaterial based hydrogel scaffold for chronic wound healing" for his Ph.D. under the mentorship of Prof. Prashant Mishra.

7. Constitution of SRC for Ph.D. student, Shubham Sharma (2020BEZ7520)

SRC for Shubham Sharma (2020BEZ7520) was constituted as follows:

<i>Chairperson</i>	<i>Prof. Preeti Srivastava</i>
<i>Internal Expert</i>	<i>Prof. Ritu Kulshreshtha</i>
<i>External Expert</i>	<i>Prof. Sandeep Kumar Jha, CBME</i>
<i>Supervisor</i>	<i>Prof. Prashant Mishra</i>

8. To report the matters for ratification by the DRC

(a) Project proposals submitted by faculty members

S. No.	Project Name	Investigators	Funding Agency
1	Assessing the Value of Sanitation Interventions in preventing development and transmission of Antimicrobial Resistance and improving health and environment outcomes in India (AVSAR)	ZA	JPIAMR
2	Sustainable hospital drainage and wastewater interventions for mitigating carbapenem-resistant gram-negative bacteria in patients and the environment (SWiPE)	ZA	JPIAMR
3	Development of Biocathodes for Green Hydrogen Production in Microbial Electrolysis Cells	LED	DST
4	Removal of iron from mining waste using innovative biotechnological	RJ	UQ-IITD
5	Understanding the mechanisms of general disease suppressiveness in organic fields	SS	UQ-IITD
6	Recovery of Ga, Ge and In through innovative biotechnology and process integration*	RJ (PI) TRS (Co-PI)	Ministry of Mines

**Prof. Rohan Jain explained that the recent proposal was distinct from the one approved in 8th meeting of DRC, 2020-21 submitted to IGSTC.*

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

(b) Fresh list of foreign examiners for thesis of Mr Shashi Kumar (2015BEZ8358)

A fresh panel of foreign examiners was sought from the supervisor for the thesis of Shashi Kumar (2015BEZ8358), and circulated by DRC Chairperson to DRC members vide email 2nd Aug 2021. Since no comments were received the list was forwarded to the Dean Academics.

(c) Requests from Ph.D. (Entry 2016) and MSR (Entry 2019) students for extension of 2 months

A note was made of the following Ph.D. and MSR students who have sought extension of fellowship for 2 months as a provision offered from the Institute for additional scholarship support beyond 5 and 2 years, respectively:

PhD students: Anirban Jana (2016BEZ8004), Ritu Bhardwaj (2016BEZ8007), Ngangom Pravina Devi (2016BEZ8008), Navodit Singh (2016BEZ8009), Swati Varshney (2016BEZ8325)

MSR students: M. Apurva (2019BEY7510), Rajat Anand (2019BEY7511), Sharad J.S. (2019BEY7512), Shravya Velamala (2019BEY7513), Sourabh Chavan (2019BEY7514)

(d) Request submitted by Lovely (2014BEZ8002) to Dean Academics for extension for submission of thesis

DRC was apprised of the request made by Lovely for extension of one year after completion of 7 years for submission of doctoral thesis. The extension was approved by the Dean Academics for a period of 6 months (183 days) from 21st July 2021, with a recommendation for a fresh synopsis presentation.

(e) Ex-India leave request by Ms Dhvani Vora (2017BEZ8293) to avail DAAD binational Ph.D. placement fellowship at Martin Luther University (Halle, Germany) (1.10.2021 to 30.09 2022).

The Ex-India leave application by Ms Dhvani Vora was recommended to be forwarded to Dean Academics.

9. Any other item with the permission of Chair

- Requests by Ph.D. students Ratnabali Ghosh (2021BEZ8008) and Jaykumar Kirtikumar Patel (2021BEZ8007) to take up an extra course (BBL754, Optics within Lifesciences) over and above the 4 courses recommended by the department was approved in view of its alignment with their Ph.D. topics.*

(Act: Ph.D. Coordinator to facilitate with concerned authorities)

- Head apprised the DRC of the email received from Dean Academics (and circulated to DBEB faculty on 26th July 2021) advising the SRC's consent when awarding an Unsatisfactory grade to any Ph.D. student for semester progress. This decision should be preferably based on a presentation given by the student before the SRC, in addition to the submission of the progress report.*

- *Ph.D. & MSR Coordinator was requested to communicate to the Ph.D. and MSR students of Entry Sem I, 2021-22 seeking their preferences for PhD/MSR topic after discussing the projects with the faculty members who had slots available.*

(Act: Ph.D. Coordinator)

- *In response to a request by Snehdeep Kumar, student from NIT Warangal enrolled in the IITD-NIT scheme (Sem I, 2021-22), seeking guidance regarding his BTP project and courses at IITD, the Head, DRC Chairperson and his mentor, Prof Atul Narang, were requested to meet and counsel him.*

Shilpi Sharma

Circulation to DFB (by email)