



Minutes of DRC MEETING
(DRC-02/2019-2020)

2nd Nov 2019

The second meeting of *Departmental Research Committee (DRC)* for the academic session 2019-2020 was held on **23rd October 2019** at 3 PM am in the Committee Room (I-230) of the Department.

Following members were present

Prof. Atul Narang (Chairman)

Prof. D. Sundar

Prof. Shilpi Sharma

Prof. Rohan Jain

Prof. Preeti Srivastava

- To confirm the minutes of the 1st meeting of the DRC for the session 2019-2020 held on 18th September 2019.*
The minutes of the 1st DRC meeting for the session 2019-2010 held on 18th September 2019 were confirmed as circulated.
- To report the matters arising from minutes of Meeting No. 01/2019-2020*
None
- Skype Interaction with Hasnaa, International PhD candidate*
The committee interacted with the International PhD candidate, Hasnaa. Based on her performance in the interview, the candidate was not selected for the PhD programme.
[Action – PhD coordinator](#)
- Selection of students for PhD programme of the Department for Sem II, 2019-20*
The committee decided that the written test for admission to PhD programme would be conducted on **29th November 2019**. The pattern of the exam and the syllabus will be finalized in upcoming DFB. The short-listing criteria is as per **Annexure I**.
- Allocation of responsibility for the conduct of PhD selection*
DRC members along with faculties who will be hiring students in this session were assigned the responsibility of PhD selection i.e., conduct of written exam, evaluation, oral interview etc.
- Conduct of Paper I of the comprehensive exam for PhD students*
The committee requested the PhD coordinator to collect names of students who would like to appear in the Paper I of the comprehensive exam.
[Action – PhD coordinator](#)
- Constitution of SRC of PhD and MSR students of the entry year 2019-20 of the Department*
SRCs of PhD and MSR students of entry year 2019-20, sem I, were constituted as per **Annexure II**
[Action –respective supervisor to fill in supervisor allotment form and send it PG section](#)
- Request received from Ph.D. student Surabhi Mishra (BEZ198189) for change of Topic of research*

Ph.D student, Surabhi Mishra (BEZ198189) had been allotted the topic "Understanding the auto-healing capacity of Ganga river" under the mentorship of Prof. Zia in the 1st meeting of DRC, 2019-20. Her request for change of topic of her research to "The development of metagenomics assisted AMR tool", under the supervision of Prof. Zia was approved as a one-time special case.

9. *Approval of Synopsis and the list of examiners of the following student:*

Name of student (Entry No.)	Programme	Topic of thesis
VIDHU SOMAN (2013BEZ8510)	PhD	Torque and switching bias characterization of bacterial flagellar motor

The committee discussed and approved the synopsis submitted by Mr. Vidhu S. (2013BEZ8510). The committee also approved the panel of examiners and authorized the chairperson to forward the same to Dean Academics

Action: Following documents should be sent to Dean Academics for further processing:
 (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

10. *Nomination for Institute awards*

Awards	Remarks
RETA	Application received from PhD student Swati Varshney (BEZ168325)

The Research Excellence travel award application of Swati Varshney (BEZ168325) was recommended.

Action: Documents to be forwarded to Dean Academics

11. *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	Transfer of 'general soil suppressiveness' to conducive soil: An eco-friendly alternative to pesticides	Shilpi Sharma	SPARC

The above project was circulated to members, since no specific comments were received from the members on the proposal, the project was forwarded to Dean IRD and item was ratified in DRC.

b) Minutes of the 2nd SSC meeting for postdoctoral fellows.

The minutes were ratified in DRC

11. Any other item with the permission of Chair

Preeti Srivastava

Distribution

All DBEB faculty (by email)

Annexure I

Short-listing criteria for Admission to Ph.D. Program (Sem 2, 2019-2020)

The candidates must have first class (60% or 6.0/10 CGPA) in all examinations starting from 10+2 up to the qualifying exam and they must meet the following criteria based on their qualifying exam degree:

Table: 1 Minimum Qualification for Admission to full-time Ph.D. Programmes

Qualifying exam	Acceptable majors	General Category	General Category (EWS)	OBC (Non-creamy layer)	SC/ST & PD
B. Tech/B.E	Biochemical Engineering, Chemical Engineering, Biotechnology, Industrial Biotechnology, Bioinformatics, Environmental Engineering, Pharmaceutical Biotechnology	(i) B.Tech 70% or 7.0/10 CGPA (ii) Valid JRF or GATE score of min. 650 in Life Sciences or Biotechnology or Chemical Engg.	(i) B.Tech 70% or 7.0/10 CGPA (ii) Valid JRF or GATE score of min. 650 in Life Sciences or Biotechnology or Chemical Engg.	(i) B.Tech 70% or 7.0/10 CGPA (ii) Valid JRF or GATE score of min. 600 in Life Sciences or Biotechnology or Chemical Engg.	(i) B.Tech 65% or 6.5/10 CGPA (ii) Valid JRF or GATE score of min. 550 in Life Sciences or Biotechnology or Chemical Engg.
M. Tech / M.E / MS(R) or equivalent	Biochemical Engineering, Chemical Engineering, Biotechnology, Industrial Biotechnology, Bioinformatics, Environmental Engineering, Pharmaceutical Biotechnology	(i) M.Tech 70% or 7.0/10 CGPA (ii) GATE score not required	(i) M.Tech 70% or 7.0/10 CGPA (ii) GATE score not required	(i) M.Tech 70% or 7.0/10 CGPA (ii) GATE score not required	(i) M.Tech 65% or 6.5/10 CGPA (ii) GATE score not required
M.Sc	Biochemistry, Biotechnology, Bioinformatics,	(i) M.Sc. 60% or 6.0/10 CGPA	(i) M.Sc. 60% or	(i) M.Sc. 60% or 6.0/10 CGPA	(i) M.Sc. 55% or

	Biophysics, Biosciences, Chemistry, Environmental Science, Genetics, Sciences, Microbiology	Life (ii) Valid JRF or GATE score of min. 650 in Life Sciences or Biotechnology or Chemical Engg	6.0/10 CGPA (ii) Valid JRF or GATE score of min. 650 in Life Sciences or Biotechnology or Chemical Engg	(ii) Valid JRF or GATE score of min. 600 in Life Sciences or Biotechnology or Chemical Engg	CGPA 5.5/10 (ii) Valid JRF or GATE score of min. 550 in Life Sciences or Biotechnolog y or Chemical Engg.
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For B.Tech graduates from IITs

In respect of B.Techs from IITs graduating with a CGPA of 8.0 or above, the requirement of qualification through a national examination is waived off.

For students from Centrally Funded Technical Institutions (CFTI)

Requirement of qualification in GATE / National Exam is waived for the following categories of applicants from CFTIs:

- 1) Currently registered students in Centrally Funded Technical Institutes (CFTIs) pursuing B.Tech./B.E./ Integrated M. Tech/ Integrated M. Sc. programmes, who have completed 6 semesters or more, and have CGPA of 8.000 or above (on a 10 point scale). Such students must obtain a CGPA of 8.000 or above at the time of graduation, and before they formally register for the Ph.D. programme (80% aggregate marks, if marks is the primary mode of evaluation);
- 2) B.Tech./B.E./ Integrated M. Tech/ Integrated M. Sc. programmes of CFTIs (in the programmes marked under (1) with a final graduation CGPA of more than 8.000 (80% aggregate marks, if marks is the primary mode of evaluation);
- 3) M.Sc. graduates from IITs with CGPA 8.000 or above.

Minimum Qualifications for admission to Part-time and Sponsored (full-time) Ph.D. Programmes:

The following eligibility conditions apply for the Part-time and sponsored full-time programmes:

1. Only employees of Public Sector Undertakings or Government Departments or Research and Development Organizations or Private Industries (approved by Faculty Boards) are eligible for admission to these programmes.

2. The minimum full-time experience required *after* obtaining the qualifying degree and as on date of registration, is given below in Table 2:

Table 2: Experience required for admission to part-time Ph.D./ M.Tech./ M.S.(R) Programmes For admission to part-time programme	Qualifications	Work Experience (Post Qualification)
Ph.D.	M.E./M.Tech./M.S.(R)/M.D.or Equivalent	Nil
Ph.D.	B.E./B.Tech./M.Sc./M.A./M.B.A./ MBBS or equivalent, from CFTIs/Central Universities	1 Year
Ph.D.	B.E./B.Tech./M.Sc./M.A./M.B.A./ MBBS or equivalent, and working in IIT Delhi* (Project or Regular) *Through proper channel	1 Year
Ph.D.	B.E./B.Tech./M.Sc./M.A./MBA/M BBS or equivalent, from institutions other than CFTIs/Central Universities	2 Years

3. Minimum qualification for these candidates is the same as for full-time candidates (**Table 1**), except that the requirement of qualifying in a national examination is waived.

4. For part-time candidates from outside NCR (or at a radial distance of more than 50 km from IIT Delhi), there is a minimum residency requirement of 6 months. The Department may specify a higher residency requirement based on the courses recommended as well as the background.

Annexure II

Composition of SRC of PhD students

PhD student	Entry Number	Chairperson	Internal Expert	External Expert	Supervisor(s)
Aastha Singh	BEZ198182	D. Sundar	P. Mishra	Manoj Menon	R.Kulshreshtha
Arjun Rastogi	BEZ198183	Ashish Misra	Rohan Jain	Anupam Shukla	T.R.Sreekrishnan & G.P.Agrawal
Rahul Gupta	BEZ198186	P. Mishra	P. Srivastava	Manoj Menon	R.Kulshreshtha
Rewati Dixit	BEZ198187	S. Sharma	T.R.Sreekrishnan	S. Wazed Ali	R.Jain
Surbhi Mishra	BEZ198189	P. Srivastava	Rohan Jain	Vivekanadan Perumal	Z.A.Shaikh

Composition of SRC of MSR students

PhD student	Entry Number	Chairperson	Internal Expert	External Expert	Supervisor(s)
M. Apurva	BEY197510	T.R. Sreekrishnan	Ashish Misra		A. Narang
Rajat Anand	BEY197511	P. Mishra	P. Srivastava		R.Kulshreshtha
Sharad JS	BEY197512	R. Elangovan		Ashok Patel	A. Misra & D. Sundar
Shravya Velamala	BEY197513	D. Sundar	P. Srivastava		R.Kulshreshtha
Sourabh Gangaram Chavan	BEY197514	Rohan Jain	Shilpi Sharma		P. Srivastava