

**Department of Biochemical Engineering and Biotechnology**  
**Minutes of the Departmental Faculty Board Meeting**  
(DFB-08/2022-2023)

27/4/2023

The sixth meeting of the *Departmental Faculty Board* for the academic session 2022-2023 was held on **Tuesday, April 18<sup>th</sup>, 2023** at **3:00 PM** in the Committee Room of the Department.

The following members were present:

Prof. Ritu Kulshreshtha, Chairperson  
Prof. Prashant Mishra  
Prof. KJ Mukerjee  
Prof. D Sundar  
Prof. Shilpi Sharma  
Prof. TR Sreekrishnan  
Prof. Ishaan Gupta  
Prof. Amit Das  
Prof. Anjan Roy  
Prof. Ashish Mishra  
Prof. Ziauddin Shaikh Ahammad  
Prof. Kumari Priti Sinha  
Prof. Ravikrishnan Elangovan, Convener

**Item 1: Confirmation of minutes of the 7<sup>th</sup> DFB meeting held on 17<sup>th</sup> March 2023**

*The minutes of meeting DFB-07 held on March 17<sup>th</sup> 2023 were confirmed as circulated.*

*As matters arising, the Policy for utilization of the DDF fund was discussed and it was decided to use the DDF fund for common DBEB use rather than any one faculty requirement.*

**Item 2: Class committee feedback**

*Class committee feedback from each year was discussed and feedback was passed to the concerned faculty.*

- *M.Tech batch request for an industrial visit was approved and to be coordinated by one of the M.Tech batch representative in consultation with the Head, DBEB.*
- *Request for more elective courses was taken note and to be considered as more faculty become available for teaching.*

**Item 3: Ph.D./Ms.R/M.Tech selection for Sem I 2023-24 session.**

*The Ph.D. coordinator updated the faculty board on applications received for Sem I 2023-24 session. The shortlisting criteria for upcoming PhD selection was discussed and approved (Annexure I). The shortlisting criteria for upcoming MSR selection was discussed and approved (Annexure II). The shortlisting criteria for upcoming M.Tech selections was discussed and approved (Annexure III- FULL-TIME 2 year MTech Program; Annexure IV- FULL-TIME 3 year HVA MTech Program). Dates for Ph.D. selection were*

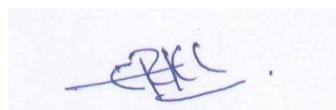
*finalized to 22<sup>nd</sup> & 23<sup>rd</sup> May 2023. Dates for MSR selection were finalized to 24<sup>th</sup> May 2023.*

*Shortlisting of Ph.D. students to be done through a written exam to be conducted on 22<sup>nd</sup> May 2023. Prof Priti K Sinha and Prof Ravikrishnan were requested to conduct the written screening exam for Ph.D. student selection. Examination paper to have 40 questions with 20 from Biological Science and 20 from the Biochemical Engg section.*

**Item 5: Any other item with the permission of the Chair.**

- 1. Head DBEB, discussed the nomination for the Sansthan award from the department. (Action: HoD to forward the names to the concerned section)*
- 2. Institute post-doctoral selection committee minutes were discussed and approved.*
- 3. Request to have MTS support for the Instrumentation lab was discussed, it was decided to allocate Mr.Kamlesh Kumar for both DBEB office and the Instrumentation lab.*
- 4. Maintenance of ground floor RO plant to be handed to Institute Engineering Section.*

*The meeting ended with a vote of thanks to the chairperson.*



**Ravikrishnan Elangovan,  
DFB Convener**

## Annexure I

### Short-listing criteria for Admission to Ph.D. Program (Sem I, 2023-24)

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 75% or 7.5/10 CGPA  (ii) Valid JRF or GATE score of min. 650 in Life Sciences or Biotechnology or Chemical Engg.	(i) B.Tech 75% or 7.5/10 CGPA  (ii) Valid JRF or GATE score of min. 650 in Life Sciences or Biotechnology or Chemical Engg.	(i) B.Tech 75% or 7.5/10 CGPA  (ii) Valid JRF or GATE score of min. 600 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. 550 in Life Sciences or Biotechnology or Chemical Engg.
M. Tech / M.E / MS(R) or equivalent	Biochemical Engineering, Biological Engineering, Bioprocess Engineering, Bioscience and Bioengineering, Chemical Engineering, Chemical Technology, Biotechnology, Industrial Biotechnology, Bioinformatics, Environmental Engineering, Pharmaceutical Biotechnology,	(i) M.Tech 85% or 8.5/10 CGPA	(i) M.Tech 85% or 8.5/10 CGPA	(i) M.Tech 85% or 8.5/10 CGPA	(i) M.Tech 80% or 8.0/10 CGPA
M.Sc	MSc in Biotechnology, Environmental science, Physics, Chemistry, and all branch of life science	(i) M.Sc. 70% or 7.0/10 CGPA  (ii) Valid JRF or GATE score of min. 650 in Life Sciences or Biotechnology or Chemical Engg or	(i) M.Sc. 70% or 7.0/10 CGPA  (ii) Valid JRF or GATE score of min. 650 in Life Sciences or Biotechnology or Chemical Engg or	(i) M.Sc. 70% or 7.0/10 CGPA  (ii) Valid JRF or GATE score of min. 600 in Life Sciences or Biotechnology or Chemical Engg or	(i) M.Sc. 65% or CGPA 6.5/10  (ii) Valid JRF or GATE score of min. 550 in Life Sciences or Biotechnology or Chemical Engg. or

		Chemistry or Physics	Chemistry or Physics	Chemistry or Physics	Chemistry or Physics
--	--	----------------------------	----------------------------	----------------------------	----------------------------

**For students from Centrally Funded Technical Institutions (CFTI)**

For candidates from CFTI the requirement of qualification in the GATE / National Exam is waived and shortlisted for the PhD selection.

**Shortlisting criteria!**

- 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/Mtech 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:

<b>Table 2: Experience required for admission to part-time Ph.D./ M.Tech./ M.S.(R) Programmes For admission to part-time programme</b>	<b>Qualifications</b>	<b>Work Experience (Post Qualification)</b>
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/MBBS 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

### Shortlisting criteria for Admission to MSR Program (Sem I, 2023-2024)

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 MSR Programme**

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 75% or 7.5/10 CGPA  (ii) GATE score of min. 550 in Life Sciences or Biotechnology or Chemical Engg.	(i) B.Tech 75% or 7.5/10 CGPA  (ii) GATE score of min. 550 in Life Sciences or Biotechnology or Chemical Engg.	(i) B.Tech 75% or 7.5/10 CGPA  (ii) GATE score of min. 500 in Life Sciences or Biotechnology or Chemical Engg.	(i) B.Tech 70% or 7.0/10 CGPA  (ii) GATE score of min. 450 in Life Sciences or Biotechnology or Chemical Engg.
M. Tech / M.E / MS(R) or equivalent	Biochemical Engineering, Biological Engineering, Bioprocess Engineering, Bioscience and Bioengineering, Chemical Engineering, Chemical Technology, Biotechnology, Industrial Biotechnology, Bioinformatics, Environmental Engineering, Pharmaceutical Biotechnology	(i) M.Tech 85% or 8.5/10 CGPA	(i) M.Tech 85% or 8.5/10 CGPA	(i) M.Tech 85% or 8.5/10 CGPA	(i) M.Tech 80% or 8.0/10 CGPA
M.Sc	MSc in Biotechnology, Environmental Science, Chemistry, and all branch of life science	i) M.Sc. 70% or 7.0/10 CGPA ii) GATE score of min. 550 in Life Sciences or Biotechnology or Chemical Engg.	i) M.Sc. 70% or 7.0/10 CGPA ii) GATE score of min. 550 in Life Sciences or Biotechnology or Chemical Engg.	i) M.Sc. 70% or 7.0/10 CGPA ii) GATE score of min. 500 in Life Sciences or Biotechnology or Chemical Engg.	i) M.Sc. 65% or 6.5/10 CGPA ii) GATE score of min. 450 in Life Sciences or Biotechnology or Chemical Engg.

**For students from Centrally Funded Technical Institutions (CFTI)**

Requirement of qualification in GATE / National Exam is waived off 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) Graduates of the 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.

### Annexure III

#### **Shortlisting criteria for Admission to FULL-TIME MTech Program (Sem I, 2023-2024)**

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 MTech Program**

Qualifying exam	Acceptable majors	General Category	General Category (EWS)	OBC (Non-creamy layer)	SC/ST & PD
B. Tech/B.E.	Biotechnology, Biochemical Engineering, Chemical Engineering	(i) B.Tech 60% or 6.0/10 CGPA  (ii) Valid GATE score in Life Sciences or Biotechnology or Chemical Engg.	(i) B.Tech 60% or 6.0/10 CGPA  (ii) Valid GATE score in Life Sciences or Biotechnology or Chemical Engg.	(i) B.Tech 60% or 6.0/10 CGPA  (ii) Valid GATE score in Life Sciences or Biotechnology or Chemical Engg.	(i) B.Tech 55% or 5.5/10 CGPA  (ii) Valid GATE score in Life Sciences or Biotechnology or Chemical Engg.
MSc	Life Sciences, Biotechnology, Biosciences, Biochemistry, Biophysics, Molecular Biology, Microbiology, Bioinformatics, Environmental Sciences, Chemistry	(i) M.Sc. 60% or 6.0/10 CGPA  (ii) Valid GATE score in Life Sciences or Biotechnology or Chemical Engg	(i) MSc 60% or 6.0/10 CGPA  (ii) Valid GATE score in Life Sciences or Biotechnology or Chemical Engg	(i) MSc 60% or 6/10 CGPA  (ii) Valid GATE score in Life Sciences or Biotechnology or Chemical Engg	(i) MSc 55% or 5.5/10 CGPA  (ii) Valid GATE score in Life Sciences or Biotechnology or Chemical Engg

#### ***For Students from IIT***

Candidates with B.Tech. from IITs, graduating with a CGPA of 8.00 or above, are exempted from qualifying GATE. If shortlisted, the selection will be made on the basis of Interview conducted through videoconferencing/in-person.

## Annexure IV

### Shortlisting criteria for Admission to FULL-TIME 3 year HVA MTech Program

(Sem I, 2023-2024)

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 3-year HVA MTech Program**

Qualifying exam	Acceptable majors	General Category	General Category (EWS)	OBC (Non-creamy layer)	SC/ST & PD
B. Tech/B.E.	Biotechnology, Biochemical Engineering, Chemical Engineering	(i) B.Tech 60% or 6.0/10 CGPA  (ii) Valid GATE score 550 in Life Sciences or Biotechnology or Chemical Engg.	(i) B.Tech 60% or 6.0/10 CGPA  (ii) Valid GATE score 550 in Life Sciences or Biotechnology or Chemical Engg.	(i) B.Tech 60% or 6.0/10 CGPA  (ii) Valid GATE score 500 in Life Sciences or Biotechnology or Chemical Engg.	(i) B.Tech 55% or 5.5/10 CGPA  (ii) Valid GATE score 450 in Life Sciences or Biotechnology or Chemical Engg.
MSc	Life Sciences, Biotechnology, Biosciences, Biochemistry, Biophysics, Molecular Biology, Microbiology, Bioinformatics, Environmental Sciences, Chemistry	(i) M.Sc. 60% or 6.0/10 CGPA  (ii) Valid GATE score 550 in Life Sciences or Biotechnology or Chemical Engg	(i) MSc 60% or 6.0/10 CGPA  (ii) Valid GATE score 550 in Life Sciences or Biotechnology or Chemical Engg	(i) MSc 60% or 6/10 CGPA  (ii) Valid GATE score 500 in Life Sciences or Biotechnology or Chemical Engg	(i) MSc 55% or 5.5/10 CGPA  (ii) Valid GATE score 450 in Life Sciences or Biotechnology or Chemical Engg

#### ***For Students from IIT***

Candidates with B.Tech. from IITs, graduating with a CGPA of 8.00 or above, are exempted from qualifying GATE. If shortlisted, the selection will be made on the basis of Interview conducted through videoconferencing/in-person.