

## Short-listing criteria for Ph. D. and M.S(R) applications for Ist Semester 2020-2021 in SeNSE

**Date: 20/7/2020**

The following is the criteria for the Ph.D and M.S(R) applicants for Ist Semester 2020-2021 in SeNSE.

### **Ph.D SHORTLISTING CRITERIA**

**AREA OF RESEARCH ADVERTISED:** Electronic and optical sensors, Mechatronics, Optical Metrology, Micro optics, Aspheric and freeform optics, optical instrumentation, Holographic microscopy, Digital speckle pattern interferometry, Optical coherence tomography and optical image processing

**The candidates who have mentioned their broad proposed area of research as above have only been shortlisted.**

The other shortlisting criteria for interview for admission to

### **Full-time Candidates**

S. No	Qualifying Degree			Minimum % / GPA / GATE Score					
				GEN	EWS	OBC	SC/ST/PH		
1.	M.Sc. in Physics	GATE	M.Sc.	% Aggregate	≥ 75.0	≥ 72.5	≥ 72.5	≥ 70.0	
				CGPA(10 Point)	≥ 7.5	≥ 7.25	≥ 7.25	≥ 7.0	
			GATE Score		≥ 400	≥ 400	≥ 400	≥ 300	
			Preceding Degree (%Aggregate)		≥ 60	≥ 60	≥ 60	≥ 55	
		JRF(CSIR/UGC /DST-INSPIRE)	M.Sc.	% Aggregate	≥ 75.0	≥ 72.5	≥ 72.5	≥ 70.0	
				CGPA(10 Point)	≥ 7.5	≥ 7.25	≥ 7.25	≥ 7.0	
			Preceding Degree (%Aggregate)		≥ 60	≥ 60	≥ 60	≥ 55	
		M.Sc. from IITs	M.Sc.	CGPA(10 Point)	≥ 8.0	≥ 8.0	≥ 8.0	≥ 8.0	
			Preceding Degree (%Aggregate)		≥ 60	≥ 60	≥ 60	≥ 55	
		2.	M.Tech. in relevant branch of Engineering or Physics		M.Tech.	% Aggregate	≥ 75.0	≥ 72.5	≥ 72.5
CGPA(10 Point)	≥ 7.5					≥ 7.25	≥ 7.25	≥ 7.0	
Preceding Degree (%Aggregate)					≥ 60	≥ 60	≥ 60	≥ 55	
3.	B.Tech. in relevant branch of Engineering	GATE	B.Tech.	% Aggregate	≥ 77.5	≥ 75.0	≥ 75.0	≥ 72.5	
				CGPA(10 Point)	≥ 7.75	≥ 7.5	≥ 7.5	≥ 7.25	
			GATE Score		≥ 500	≥ 500	≥ 500	≥ 350	
		JRF(CSIR/UGC /DST-INSPIRE)	B.Tech.	% Aggregate	≥ 77.5	≥ 75.0	≥ 75.0	≥ 72..5	
				CGPA(10 Point)	≥ 7.75	≥ 7.5	≥ 7.5	≥ 7.25	
		B.Tech. from IITs		B.Tech.	CGPA(10 Point)	≥ 8.0	≥ 8.0	≥ 8.0	≥ 8.0
		B.Tech. students from CFTI at the end of 3 <sup>rd</sup> year		B.Tech.	CGPA(10 Point)	≥ 8.0	≥ 8.0	≥ 8.0	≥ 8.0

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

- (i) 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);
- (ii) Graduates of CFTIs (in the programmes marked under (i)) with a final graduation CGPA of more than 8.000 (80% aggregate marks, if marks is the primary mode of evaluation);
- (iii) M.A or M.Sc. graduates from IITs with CGPA 8.000 or above

#### Part-Time/Full time Sponsored Candidates:

For part-time applicants of all categories (GEN/OBC/SC/ST/PH), minimum educational qualification is same as for full-time candidates except that the requirement of qualifying the national scholarship examination (e.g., GATE/CSIR/UGC/DST-INSPIRE) is waived off. After the qualifying degree they should have minimum 2 years of relevant working experience in Public Sector Undertakings or Govt. Laboratories and Industries of Repute.

## M.S(R) SHORTLISTING CRITERIA

### Short-listing criteria for M.S(R) in SeNSE for the year 2020-2021

#### Full Time:

Discipline wise		GEN	EWS	OBC	SC/ST/PwD	
Electrical Engg, Elec. and Comm./Telecomm Engg. Instrumentation/Elec/Contrl	GATE SCORE	≥ 650	≥ 600	≥ 600	≥ 450	
	DEGREE	%	60	60	60	55
		CGPA	6.0	6.0	6.0	5.5
Mechanical Engineering	GATE SCORE	≥ 600	≥ 550	≥ 550	≥ 425	
	DEGREE	%	60	60	60	55
		CGPA	6.0	6.0	6.0	5.5
Physics	GATE SCORE	≥ 450	≥ 425	≥ 425	≥ 400	
	DEGREE	%	60	60	60	55
		CGPA	6.0	6.0	6.0	5.5

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

- (i) 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);
- (ii) Graduates of CFTIs (in the programmes marked under (i)) with a final graduation CGPA of more than 8.000 (80% aggregate marks, if marks is the primary mode of evaluation);
- (iii) M.A or M.Sc. graduates from IITs with CGPA 8.000 or above

However, if a candidate admitted to M.S.(R) programme following the above criterion wanted to convert to M.Tech. programme, he/she should also meet the shortlisting criteria of the M.Tech. programme, in addition to the conversion criteria (including requirement, if any, of a valid examination in GATE / National Examination).

### **Part-Time /Full time sponsored**

For part time/full-time sponsored applicants of all categories (GEN/OBC/SC/ST/PH), minimum educational qualification is same as for full-time candidates except that the requirement of qualifying the national scholarship examination (e.g., GATE/) is waived off. After the qualifying degree they should have relevant work experience of duration as per the following Table in Public Sector Undertakings or Govt. Laboratories and Govt. or Private Industries of Repute.

	<b>Qualifications</b>	<b>Work Experience (Post Qualification)</b>
1	B.E./B.Tech./M.Sc or equivalent, from CFTIs/Central Universities	6 Months
2	B.E./B.Tech./M.Sc or equivalent, and working in IIT Delhi* (Project or Regular) * Through proper channel	6 Months
3	B.E./B. Tech./M.Sc. or equivalent, from institutions other than CFTIs/ Central Universities)	1 Year

**Date of Interview for PhD : 27<sup>th</sup> July 2020, 10:00 am onwards**

**Date of Interview for MS(R) : 30<sup>th</sup> July 2020, 10:00 am onwards**

Gufran Sayeed Khan  
CRC Convenor