Indira Gandhi Delhi Technical University for Women
(**Established by Govt. of Delhi vide Act 9 of 2012**)
ISO 9001:2015 Certified University

Guidelines for Direct Ph.D. Program (Full Time)
after 4-years Bachelor's degree/1st year Master'sDegree

Research Wing
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Guidelines for Direct Ph.D. Program (Full Time) after 4-years Bachelor's degree/1st year Master'sDegree

I. Admission Eligibility:

1. The candidates who have completed their final year (eighth semester) of their Bachelor's degree program (or result awaited) and have a minimum CGPA of 7.5/10 or equivalent percentage shall be eligible to apply for direct Ph.D. admission. Please refer to the eligibility criteria given in Table- I below.

2. For admission after 1st year/2-semester Master's degree program (after a 4-year undergraduate degree) candidate must have at least 55% marks in aggregate or its equivalent grade 'B' in the UGC 10- point scale (or an equivalent grade in a point scale wherever grading system is followed) in Master's program in relevant discipline. Also, the candidate should have secured at least 60% marks in aggregate or equivalent CGPA in Bachelor's Degree.

3. SC/ST/OBC (non-creamy layer)/EWS/Differently Abled applicants shall be given a relaxation of 0.5 score i.e; CGPA of 7/10 or an equivalent relaxation of grade in minimum eligibility marks.

4. Candidate must have minimum 01 Scopus conference/journal publication (published/accepted).

Table-I: Eligibility criteria for Admission to Direct Ph.D. Program after 4-years Bachelor's degree

S. No	Name of the Course	Minimum Eligibility
1	Ph.D. CSE/ Artificial Intelligence & Data Science	Minimum CGPA of 7.5/10 or equivalent percentage in the qualifying exam as under: B.Tech/B.E. Degree in Computer Science/Computer Engineering/ Computer Science & Engineering/Information technology/Electronics & Communication Engineering/Software Engineering or equivalent from a recognized University.
2	Ph.D. IT	Minimum CGPA of 7.5/10 or equivalent percentage in the qualifying exam as under: B.Tech/B.E. Degree in Computer Science/Computer Engineering/ Computer Science & Engineering/Information technology/Electronics & Communication Engineering/Software Engineering/Electrical Engineering/Electronics & Instrumentation Engineering/Electronics &

		Telecommunication Engineering/ Computer Science Engineering/Information Technology/Information Science Engineering or equivalent from a recognized University
3	Ph.D. ECE	Minimum CGPA of 7.5/10 or equivalent percentage in the qualifying exam as under: B.Tech/B.E. Degree in Electronics & Communication Engineering/Electrical Engineering/Electronics & Instrumentation Engineering/Electronics & Telecommunication Engineering/Computer Science Engineering/Information Technology/Information Science Engineering or equivalent from a recognized University.

II.   Shortlisting and Selection Procedure

(i)   Admission to the Direct Ph.D. Program will be done on the basis of Research Aptitude Test (RAT) Examination or an interview or both.

(ii) Candidates with valid GATE score or other qualified equivalent National Exam will be exempted from RAT.

(iii) The RAT Examination shall be cleared with qualifying marks as 50%. A relaxation of 5% marks (from 50% to 45%) shall be allowed for SC/ST/OBC/EWS/Differently abled category in the RAT Exam.

(iv) The interview for selection of the candidates shall be conducted Department-wise by Selection Committees. Weightage shall be given to the following: -

- Prior background in research with skill certification courses, assistantships done, industry experience, technical skills and research projects undertaken in the relevant branch done at Bachelor's/Master's Program (as applicable)

- Exceptional interest in research with prior publications (SCI/SCIE/SSCI/Scopus indexed), conference presentations, or other academic/administrative work.

- Candidates having memberships of national/international Technical Societies (IEEE, CSI, ASME, ACM etc.)

- Letter(s) of Recommendation from Faculty advisors/Mentors during Bachelor's/ Master's Program (as applicable) would be desirable.

III.   Reservation Policy:

Reservation of seats for Scheduled Caste, Scheduled Tribe, Other Backward Classes (Non-Creamy Layer), EWS and Differently Abled candidates will be as per government rules.

IV.   Financial Assistance

The Research Scholars shall be eligible for a stipend of Rs. 10,000/- per month after completion of course work and gaining the credits as per point no. V. However, GATE

qualified candidates would be eligible for the stipend as per the MHRD guidelines.

Selection of JRF: The University may provide financial assistance to few deserving Research Scholars and appoint them as Junior Research Fellow (JRF). Scholar shall be eligible for the fellowship after completion of course work (including the credits gained as per point no. V) with CGPA $\geq$ 7.5, attendance $\geq$ 75% and successful approval of the Research Plan in the DRC.

V.   Coursework Credits requirement:

- Students who will register for Ph.D. directly after a four-year Bachelor's Program will be pursuing M.Tech. 1st Year courses in the relevant branch at IGDTUW. The 46 credits earned will be equivalent to the Ph.D. Course work.

- Students who will register for Ph.D. directly after 1st year Master's degree program will have to undertake courses (compulsory/guide directed as required related to their broad research area) to gain total 46 credits as per Table-II (point VIII), to fulfill the academic requirements for obtaining M.Tech. degree.

VI.   Award of M.Tech. degree:

A student admitted in Ph.D. program after a 4-years Bachelor's degree/1st year Master's Degree can obtain an M.Tech. degree "in-between" as per NEP 2020, provided she completes the academic requirements for the same as given in Section VIII below. However, if the student who has taken admission directly after B.Tech., wishes to exit before minimum duration for award of M.Tech. degree, can do so after completion of course work credit requirement as per point no. V to obtain PG Diploma degree.

VII.   Availing Exit Option in Direct Ph.D.

A Ph.D. student registered for the Direct Ph.D. Program may be allowed to exit from Direct Ph.D. Program on the recommendation of DRC and with the approval of the Competent Authority. Since this is a change of program to a lower degree, the student should satisfy the eligibility criteria of minimum credits earned for availing exit options and obtaining M.Tech./PG Diploma degrees given in Section VIII below. However, the option of obtaining PG Diploma degree is applicable only when the student is exiting from the PhD program without completing the requirements to obtain an M.Tech degree. If the Ph.D. student after

obtaining M.Tech. wishes to leave the University without completing her Ph.D., she will be considered as having changed her program from Ph.D. to M.Tech. and will have to compensate by paying the difference between the Ph.D. and M.Tech fee to the University.

VIII. **Academic Requirements for obtaining M.Tech. degree during Direct Ph.D. Program**

a) The following table-II lists the minimum duration and maximum duration allowed in the Direct Ph.D. Program along with credit requirements for getting an M.Tech. degree "in-between":

Table-II

Program	Minimum Total Credits for award of M.Tech/PG Diploma	Total Credits earned through Course Work plus transferred credits, if any (Minimum)	Credits Through Research (Minimum)	Minimum duration for award of M.Tech./PG Diploma
Direct Ph.D (students with 4 years/8-semesters B.Tech.)	81	46 (credits gained from M.Tech. first year courses)	35	Four semesters for M.Tech
	46	46	--	Two semesters for PG Diploma
Direct Ph.D. (students with 1st-year/2-semesters M.Tech.)	81	46* (including the credits availed in M.Tech. 1st year)	35	Two semesters

Credits transferred from the Institute from where the student has pursued M.Tech 1st year-The time span between completion of M.Tech. 1st year and when the student has applied for the award of M.Tech degree or availing exit option should not be more than three years. The student may take extension of 3-6 months at a time with DRC approval for earning the pending credits. Further extension may be granted in special cases.

b) The evaluation and assessment of credits through research (35 credits) shall be based on the existing CBCS-M.Tech. Scheme with research project track.