LAMRIN TECH SKILLS UNIVERSITY PUNJAB
ROPAR

LTSU Ph.D.

(DOCTOR OF PHILOSOPHY)

INFORMATION BROCHURE
2024-25

LAMRIN TECH SKILLS UNIVERSITY PUNJAB

(A University recognized by University Grant Commission)

www.ltsu.ac.in

Ph.D. Information Brochure
(2024-25)

IMPORTANT DATES for SUMMER INTAKE

S.No.	Activity	Proposed Timeline
1.	Submission of application commences	16-09-2024 Mon
2.	Last date for submission of applications and application fee	23.09.2024 Mon
3.	Date of Entrance Test	25.09.2024 Wed
4.	Result	25.09.2024 Wed
5.	Interview	26.09.2024 Thu
6.	Confirmation of Admission after fee deposit	30.09.2024 Mon
7.	Commencement of classes	01.10.2024 Tue

Candidates are required to make the payment of **Rs.1,000/-** via the online payment gateway for the application form through Debit/Credit Card or Net Banking. The application without fee will not be entertained for further processing. Fee once paid will not be refunded.

Ph.D. Entrance Test:

- Entrance Test for Ph.D. Admission will be MCQ based for freshers and presentation of Research Proposal for working professionals.
- In case of MCQ, there will be two papers of 45 minutes and 35 questions each.
  - Paper 1: Research methodology and Aptitude (Common for all schools)
  - Paper 2: Subject Specific.
- The entrance test syllabus shall consist of 50% of Research Methodology and 50% shall be Subject Specific.
- In case of working professionals, Candidate will present a research article (published/unpublished) on concerned subject before the panel for 15-20 minutes.
- To qualify in the Entrance Test, the candidate has to secure minimum 50% marks in the aggregate in Paper 1 and Paper 2.
- A relaxation of 5% marks will be allowed in the entrance examination for the candidates belonging to SC/ST/OBC/Differently Abled Category, Economically Weaker Section (EWS).

Exemption from the Entrance Test:

- Candidates who have qualified in the NET or other similar tests conducted by the central government but one year period has not yet elapsed in clearing the exam.
- Candidates who have appeared in the NET exam and placed in Category 3 but one year period has not yet elapsed in clearing the exam.
- Candidates with GATE/GPAT/NATA/CAT having more than 75 percent.
- Candidates who apply through Ministries of Government of India /State or candidates under Cultural Exchange Scholarship Programme of Government of India.
- Candidates who are granted fellowship/scholarship from central/state government agencies for pursuing Ph.D.
- Teacher Fellowship holder.

Note: The candidate can opt-out from taking the exemption if he/she wants.

Discipline-wise Syllabus of Entrance Test:

S.No.	Subject/Discipline	Syllabus
1.	Pharmacy	Click here
2.	Allied Health Sciences	Click here
3.	Interfaith Studies	Click here

Personal Interview:

- **Total 30 Marks**
  - 15 Marks for candidate's competence for the proposed research work
  - 10 Marks for the research work which can be suitably undertaken at the school
  - 5 Marks for contribution of proposed research work for new/additional knowledge
- Personal Interview will be conducted separately for each subject/discipline/stream by respective schools.
- Candidates are requested to discuss their proposed research interest/area/content in personal interview.

Preparation of Merit:

- The weightage of the Entrance Test will be 70% (of the obtained marks) and Personal Interview will be 30% (of the marks obtained).
- For the candidates placed in category 2 and 3 of UGC NET, 70% of their NET score percentile will be computed as equivalent to Entrance Test and personal interview will be 30% (of marks obtained).
- The candidates who have been exempted from Entrance Test – for them 70% will be computed as per the table given below:

S.No.	Percentage of Marks Obtained in Post Graduate Degree Examination	70% of the following
1.	55% to 59%	35
2.	60% to 64%	40
3.	65% to 69%	45
4.	70% to 74%	50
5.	75% to 79%	55
6.	80% to 84%	60
7.	85% to 89%	65
8.	90% to 100%	70

- The candidates exempted from Entrance Test will be required to obtain equivalency proof for the above calculation of marks if he/she has the result of PG in the form of any other parameters e.g. CPI, letter grade or any other parameter.
- The following will be applied for determining merit for those candidates who have obtained equal marks in the Discipline / Faculty and Category wise consolidated merit list to break the tie:
  - A candidate who has more marks in the Post Graduate degree examination, will rank higher in merit list.
  - If still a tie persists then the candidate who has obtained more marks in the bachelor degree examination, will rank higher in order of merit.
  - If both the above cases will not be resolved, candidate senior in age will rank higher in the order of merit.

Confirmation of Admission:

- Admission will be given based on the merit list and available seats.
- Candidates will have to pay the prescribed fees within 2 days from the date of publishing the merit list to confirm the admission to the Ph.D. programme, failing which the seat shall be allotted to the next eligible candidate on the merit list.

Tentative Semester-wise Work Plan for Ph.D. Student

Semester	Admitted after Masters	Admitted after Graduation
Semester 1	Course Work Comprehensive Exam	Course Work
Semester 2	Ph. D. Registration Supervisor Allocation Research Work Research Advisory Com. Meeting	Course Work Comprehensive Exam
Semester 3	Research Work Research Advisory Com. Meeting Synopsis Submission	Ph. D. Registration Supervisor Allocation Research Work Research Advisory Com. Meeting
Semester 4	Research Work Research Advisory Com. Meeting	Research Work Research Advisory Com. Meeting
Semester 5	Research Work Research Advisory Com. Meeting Presentation	Research Work Research Advisory Com. Meeting

Semester 6	Thesis writing Thesis Submission	Research Work Research Advisory Com. Meeting Synopsis Submission Presentation
Semester 7	Final Defence Viva-Voce	Thesis writing Thesis Submission
Semester 8		Final Defence Viva-Voce

- Above table shows minimum time duration.

Teaching Assistantship for Full Time Students:

- It will be mandatory to perform the duties as Teaching Assistant for all the full time candidates availing the scholarship/ Fellowship.
- All Ph.D. scholars, irrespective of discipline, shall be required to train in teaching/education/pedagogy/writing related to their chosen Ph.D. subject during their doctoral period. Ph.D. scholars may also be assigned teaching/research assistantship for conducting tutorial or laboratory work and evaluations.

Ph. D. Course Work and Comprehensive Exam Structure:

S.No.	Category	Minimum – Maximum Course Credit	Duration of course work
1.	Admission after Master Degree	12-16	One Semester
2.	Working Professional outside LTSU	12-16	Weekends for 14 to 16 weeks
3.	Working Professional of LTSU	12-16	Weekends for 14 to 16 weeks
4.	Direct Admission after Graduate Degree	24-32	Two Semester

1. Candidate with **Master Degree** will have **one semester** course work composed of:
   - Research Methodology (4 credits)
   - Research Publication and Ethics and Research Writing (2 or 4 Credits)
   - Research Specific Subject – 1 (4 Credits)
   - Research Specific Subject – 2 (4 Credits)

   Note: Research Specific Subject – 2 is optional

2. Candidate with **Bachelor Degree** will have **two semester** course work composed of:
   - **Semester 1**
     - Research Methodology (4 credits)
     - Research Publication and Ethics (2 Credits)
     - Research Writing (2 Credits)
     - Research Specific Subject – 1 (4 Credits)
   - **Semester 2**
     - Research specific Subject – 2 (4 Credits)
     - Research Specific Subject – 3 (4 Credits)
     - Research Specific Subject – 4 (4 Credits)
     - Minor Research Project – (4 Credits)
   Note: Student can opt for either Research Specific Subject – 4 or Minor research Project or both.

3. Course work will be considered as completed after **Comprehensive Exam** composed of 100 marks:
   - 50 Marks Written examination (Format decided by School)
   - 50 Marks Oral examination and thesis proposal seminar (Format decided by School)
4. Upon successful completion of comprehensive exam, University will assign Research Supervisor.
5. For any conflict, Ph.D. Ordinances of Lamrin Tech Skills University will be reviewed and decision of the competent authority will be final.

IMPORTANT INFORMATION FOR CANDIDATES

1. The information brochure is for full time/part time Ph.D. for Summer Intake of 2024-25 session. The part time Ph.D. is available only for working professionals. Application Form for admission is available online on University website **www.ltsu.ac.in**

2. The duly completed application form along with all required enclosures should be submitted through email **phdadmissions@ltsu.ac.in** by the last date as specified. Candidates are not required to send hard copy of application form and fee. No application will be entertained thereafter.

3. A candidate who furnishes particulars which are found to be false or suppresses material information, will not be considered for admission and if he/she is admitted on such information, his/her admission shall be cancelled as per University rules and all fees deposited by him/her will stand forfeited.

4. All the admitted students will be governed by the Academic Ordinances and/or Ph.D. regulations as laid down by the University.

5. Changes in the subject/ school or category etc. once opted for the purpose of admission, will not be allowed.

6. All the updated latest information/notices/changes/modifications will be displayed on the website of the university. The candidates are requested to visit the website regularly for the latest information.

7. The merit list will be displayed on the website of the university (as per admission schedule). Individual allotment letters will not be sent to the candidates by the university. Reporting to the allotted Dean of the school is mandatory before the date of orientation for each candidate physically if his/her name is mentioned in the merit list.

8. Candidates may raise objections/complaints if any, about discrepancies in the question booklet/answer key within 24 hours of uploading the same on the university website. The complaint be sent by the candidate to the Controller of Examination at mail: **coe@ltsu.ac.in.** Thereafter, no complaint, in any case will be considered.

9. The mentioned dates are tentative and changes, if any shall be notified on the website.

10. The candidates already employed should submit the 'No Objection Certificate' from his/her employer in the prescribed format (Annexure A) at the time of interview wherever applicable.

11. The minimum eligibility criteria mentioned for Ph.D. programme is only an enabling clause. The University/School may fix higher criteria at the time of short listing, keeping

in view the number of candidates, minimum background expected to cope with the programme etc.

12. In case of any inconsistencies in the rules or any clarification thereof, the matter will be referred to the competent authority for interpretation whose decision will be final.

Note: List of documents to be attached for admission to Ph.D. Programme:

- (i) Matriculation Certificate (as proof of age)
- (ii) Senior Secondary Examination Certificate
- (iii) DMC of the qualifying examination (UG & PG)
- (iv) Character Certificate from the institute last attended.
- (v) Certificate of Reserved Category, if applicable.
- (vi) NOC from the Employer, if applicable.
- (vii) Valid UGC NET/GATE Score certificate, if appeared and claiming exemption.
- (viii) ID Proof
- (ix) Four coloured passport size photograph

ELIGIBILITY

Eligibility criteria for admission to the Ph.D. Programme:

The following are eligible to seek admission to the Ph.D. programme:

(1) Candidates who have completed 1-year/2-semester master's degree programme after a 4-year/8-semester bachelor's degree programme or a 2-year/4-semester master's degree programme after a 3-year bachelor's degree programme or qualifications declared equivalent to the master's degree by the corresponding statutory regulatory body, with at least 55% marks in aggregate or its equivalent grade in a point scale wherever grading system is followed or equivalent qualification from a foreign educational institution accredited by an assessment and accreditation agency which is approved, recognized or authorized by an authority, established or incorporated under a law in its home country or any other statutory authority in that country to assess, accredit or assure quality and standards of the educational institution.

(2) A relaxation of 5% marks or its equivalent grade may be allowed for those belonging to SC/ST/OBC/Differently- Abled, Economically Weaker Section (EWS) and other categories of candidates as per the decision of the Commission from time to time.

(3) Provided that a candidate seeking admission after a 4-year/8-semester bachelor's degree programme should have a minimum of 75% marks in aggregate or its equivalent grade on a point scale wherever the grading system is followed. A relaxation of 5% marks or its equivalent grade may be allowed for those belonging to SC/ST/OBC (non-creamy layer)/Differently-Abled, Economically Weaker Section (EWS) and other categories of candidates as per the decision of the UGC from time to time.

(4) Candidates who have completed the M.Phil. programme with at least 55% marks in aggregate or its equivalent grade in a point scale wherever grading system is followed or equivalent qualification from a foreign educational institution accredited by an assessment and accreditation agency which is approved, recognized or authorized by an authority, established or incorporated under a law in its home country or any other statutory authority in that country to assess, accredit or assure quality and standards of educational institutions, shall be eligible for admission to the Ph.D. programme. A relaxation of 5% marks or its equivalent grade may be allowed for those belonging to SC/ST/OBC (non-creamy layer)/Differently-Abled, Economically Weaker Section (EWS) and other categories of candidates as per the decision of the Commission from time to time.

Duration of the Programme:

1) Ph.D. Programme shall be for a minimum duration of three (3) years, including course work, and a maximum duration of six (6) years from the date of admission to the Ph.D. programme.

2) A maximum of an additional two years can be given through a process of re-registration as per the Statute/Ordinance of the University provided, however, that the total period for completion of a Ph.D. programme should not exceed eight years from the date of admission in the Ph.D. programme. Provided further that, female Ph.D. Scholars and Persons with Disabilities (having more than 40% disability) may be allowed an additional relaxation of two years; however, the total period for completion of a Ph.D. programme in such cases should not exceed ten (10) years from the date of admission in the Ph.D. programme.

3) Female Ph.D. Scholars may be provided Maternity Leave/Child Care Leave for up to 240 days in the entire duration of the Ph.D. programme.

Fee Structure:

1. Entrance Test Fees Rs. 1,000/-
2. Registration Fees Rs. 10,000/-
3. Semester Fees Rs. 30,000/- Plus Rs.20,000/- each for Lab/Practical work in Computer Science/Pharmacy/Allied Health Science only for 6 semesters,
4. Extension Fees beyond 6 Semesters Rs.20,000/- for Non-Lab/Practical Category and Rs.35,000/- for Lab/Practical Category.
5. Course Examination Fees Rs.3,000/-
6. Thesis Evaluation Fees Rs.30,000/-

Procedure for admission:

(1) The admission shall be based on the criteria notified by the university, keeping in view the guidelines/norms in this regard issued by the UGC and other statutory/regulatory bodies concerned, and taking into account the reservation policy of the Central/State Government from time to time.

   (1.1) For admission procedure, the candidates are divided into four categories:

   (i)   Fresh candidates to do Ph.D. after Masters;
   (ii) Fresh candidates to do Ph.D. after 4 Years of Graduation with 75% marks;
   (iii) Working Professionals outside LTSU;
   (iv) Working Professionals of LTSU.

(2) Admission to the Ph.D. programme shall be made using the following methods:

   (i)   The university may admit students who qualify for fellowship/scholarship in UGC-NET/UGC- CSIR NET/GATE/CEED and similar National level tests based on an interview. And/or

   (ii) The university may admit students through an Entrance Test conducted by the University. The Entrance Test syllabus shall consist of 50% of research

methodology, and 50% shall be subject specific. The Entrance Test for Ph. D. admission will be MCQ based or presentation of research proposal.

    (iii) Students who have secured 50% marks in the entrance test are eligible to be called for the interview.

    (iv) A relaxation of 5% marks will be allowed in the entrance examination for the candidates belonging to SC/ST/OBC/differently-abled category, Economically Weaker Section (EWS), and other categories of candidates as per the decision of the Commission from time to time.

    (v) The university will decide the number of eligible students to be called for an interview based on the number of Ph.D. seats available.

    (vi) Provided that for the selection of candidates based on the entrance test conducted by the university, a weightage of 70% for the entrance test and 30% for the performance in the interview/viva-voce shall be given.

(3) The university will notify well in advance on the website specifying the number of seats for admission, subject/discipline-wise distribution of available seats, criteria for admission, the procedure for admission, and all other relevant information for the candidates;

University will adhere to the National/State-level reservation policy, as applicable.

(4) The university shall maintain a list of Ph.D. supervisors (specifying the name of the supervisor, his or her designation, and the department/school/centre), along with the details of Ph.D. scholars (specifying the name of the registered Ph.D. scholar, the topic of his/her research and the date of admitted under them on the website of the university and update this list every academic year.

6. Allocation of Research Supervisor:

Eligibility criteria to be a Research Supervisor, Co-Supervisor, Number of Ph.D. scholars permissible per supervisor, etc.

(1) Permanent faculty members working as Professor/Associate Professor of the university with a Ph.D., and at least five research publications in peer-reviewed or refereed journals and permanent faculty members working as Assistant Professors in university with a Ph.D., and at least three research publications in peer-reviewed or refereed journals may be recognized as a Research Supervisor in the university. Such recognized research supervisors cannot supervise research scholars in other institutions, where they can only act as co-supervisors. Ph.D. awarded by a university under the supervision of a faculty member who is not an employee of the university or its affiliated Post- Graduate Colleges/institutes would be in violation of these Regulations. Adjunct Faculty members shall not act as Research Supervisors and can only act as co-supervisors.

(2) In case of interdisciplinary/multidisciplinary research work, if required, a Co-Supervisor from outside the Department/School/Centre/College/University may be appointed.

(3) An eligible Professor/Associate Professor/Assistant Professor can guide up to eight (8)/six (6) / four (4) Ph.D. scholars, respectively, at any given time.

(4) In case of relocation of a female Ph.D. scholar due to marriage or otherwise, the research data shall be allowed to be transferred to the university to which the scholar intends to relocate, provided all the other conditions in these Regulations are followed, and the research work does not pertain to a project sanctioned to the university /Supervisor by any funding agency. Such scholar shall, however, give due credit to the university and the supervisor for the part of research already undertaken.

(5) Faculty members with less than three years of service before superannuation shall not be allowed to take new research scholars under their supervision. However, such faculty members can continue to supervise Ph.D. scholars who are already registered until superannuation and as a co-supervisor after superannuation, but not after attaining the age of 70 years.

7. Admission of International students in Ph.D. programme:

(1) Each supervisor can guide up to two international research scholars on a supernumerary basis over and above the permitted number of Ph.D. scholars as specified in clause 6.3 above.

(2) The university will decide its own selection procedure for Ph.D. admission of international students keeping in view the guidelines/norms in this regard issued by statutory/regulatory bodies concerned from time to time.

8. At any point, the total number of Ph.D. scholars under a faculty member, either as a supervisor or a co-supervisor, shall not exceed the number prescribed.

9. Course Work:

Credit requirements, number, duration, syllabus, minimum standards for completion, etc.

(1) The Credit requirement for the Ph.D. coursework is a minimum of 12 credits, including a "Research & Publication Ethics and a research methodology course. The Research Advisory Committee can also recommend UGC recognized online courses as part of the credit requirements for the Ph.D. programme.

(2) All Ph.D. scholars, irrespective of discipline, shall be required to train in teaching /education /pedagogy/writing related to their chosen Ph.D. subject during their doctoral period. Ph.D. scholars may also be assigned teaching/research assistantship for conducting tutorial or laboratory work and evaluations.

(3) A Ph.D. scholar must obtain a minimum of 55% marks or its equivalent grade in the UGC 10-point scale in the course work to be eligible to continue in the programme and submit his or her thesis.

10. Research Advisory Committee and its Functions:

(1) There shall be a Research Advisory Committee or an equivalent body concerned for each Ph.D. scholar. The Research Supervisor of the Ph.D. scholar concerned shall be the Convener of this committee, and this committee shall have the following responsibilities:

(i) To review the research proposal and finalize the topic of research.

(ii) To guide the Ph.D. scholar in developing the study design and methodology of research and identify the course(s) that he/she may have to do.

(iii) To periodically review and assist in the progress of the research work of the Ph.D. Scholar.

(2) Each semester, a Ph.D. scholar shall appear before the Research Advisory Committee to make a presentation and submit a brief report on the progress of his/her work for evaluation and further guidance. The Research Advisory Committee shall submit its recommendations along with a copy of Ph.D. scholar's progress report to the university. A copy of such recommendations shall also be provided to the Ph.D. scholar.

(3) In case the progress of the Ph.D. scholar is unsatisfactory, the Research Advisory Committee shall record the reasons for the same and suggest corrective measures. If the Ph.D. scholar fails to implement these corrective measures, the Research Advisory Committee may recommend, with specific reasons, the cancellation of the registration of the Ph.D. scholar from the Ph.D. programme.

11. Evaluation and Assessment Methods, Minimum Standards/Credits for Award of the Degree, etc.:

(1) Upon satisfactory completion of course work and obtaining the marks/grade prescribed, the Ph.D. scholar shall be required to undertake research work and produce a draft dissertation/thesis.

(2) Before submitting the dissertation/thesis, the Ph.D. scholar shall make a presentation before the Research Advisory Committee of the university, which shall also be open to all faculty members and other research scholars/students.

(3) The university has a mechanism using well-developed software applications to detect Plagiarism in research work and the research integrity shall be an integral part of all the research activities leading to the award of a Ph.D. degree.

(4) A Ph.D. scholar shall submit the thesis for evaluation, along with

   (i) an undertaking from the Ph.D. scholar that there is no plagiarism and

   (ii) a certificate from the Research Supervisor attesting to the originality of the thesis and that the thesis has not been submitted for the award of any other degree/diploma to any other Higher Educational Institution.

(5) The Ph.D. thesis submitted by a Ph.D. scholar shall be evaluated by his/her Research Supervisor and at least two external examiners who are experts in the field and not in employment of the university. Such examiner(s) would be academics with a good record of scholarly publications in the field. Wherever possible, one of the external examiners will be chosen from outside India. The viva-voce board shall consist of the Research Supervisor and at least one of the two external examiners and may be conducted online. The viva-voce shall be open to the members of the Research Advisory Committee/faculty member's/research scholars, and students.

(6) The viva-voce of the Ph.D. scholar to defend the thesis shall be conducted if both the external examiners recommend acceptance of the thesis after incorporating any corrections suggested by them. If one of the external examiners recommends rejection, the university concerned shall send the thesis to an alternate external examiner from the approved panel of examiners, and the viva-voce examination shall be held only if the alternate examiner recommends acceptance of the thesis. If the alternate examiner does not recommend acceptance of the thesis, the thesis shall be rejected, and the Ph.D. scholar shall be declared ineligible for the award of a Ph.D.

(7) The university shall complete the entire process of evaluating a Ph. D. thesis, including the declaration of the viva-voce result, within a period of six (6) months from the date of submission of the thesis.

Ph.D. through Part-time Mode:

(1) Ph.D. programmes through part-time mode will be permitted, provided all the conditions stipulated in these Regulations are fulfilled.

(2) The university will obtain a "No Objection Certificate" through the candidate for a part-time Ph.D. programme from the appropriate authority in the organization where the candidate is employed, clearly stating that:

   (i) The candidate is permitted to pursue studies on a part-time basis.
   (ii) His/her official duties permit him/her to devote sufficient time for research.
   (iii) If required, he/she will be relieved from the duty to complete the course work.

For the working professionals, the course work will be conducted on weekends for 14 hours per week for 14-16 weeks, completing the UGC requirement of 200 hours.

(3) Notwithstanding anything contained in these Regulations or any other law, for the time being in force, shall not conduct Ph.D. programmes through distance and/or online mode.

14. **Issuing a Provisional Certificate**: Prior to the actual award of the Ph.D. degree, the degree- awarding university shall issue a provisional certificate to the effect that the Ph.D. is being awarded in accordance with the provisions of these Regulations.

15. **Depository with INFLIBNET:**

Following the successful completion of the evaluation process and before the announcement of the award of the Ph.D. degree(s), the university shall submit an electronic copy of the Ph.D. thesis to INFLIBNET, for hosting the same so as to make it accessible to all the Higher Educational Institutions and research institutions.