

Adesh University
Centre for Interdisciplinary Biomedical Research
Ph.D. Program in Health Sciences

1. Introduction

The Centre for Interdisciplinary Biomedical Research (CIBR) of Adesh University established in 2013 offers Ph.D. programme in sixteen (16) disciplines of health sciences. The programmes offered with effect from academic session 2023-24 (Even semester) will follow University Grants Commission (Minimum Standards and Procedures for award of Ph.D. degree) regulations, 2022. The research centre has following facilities:

1. Molecular Biology facilities like PAGE, PCR, RT PCR, karyotyping etc.
2. Clinical diagnostic facilities from Central Laboratory of Adesh Institute of Medical Science and Research.
3. Animal house for *in vivo* experimental work.
4. Clinical support of 720 bed tertiary care teaching hospital of Adesh Institute of Medical Sciences and Research and Adesh Institute of Dental Sciences and Research.

Area specific research groups have been constituted with faculty co-opted from different constituent colleges of the university in addition to their normal duties for providing support to Ph.D. scholars.

2. Duration

Full time: Minimum 3 years, including mandatory course work for 14 credit hours*

Part time: Minimum 4 years, including mandatory course work for 14 credit hours*

*in hybrid mode.

3. Eligibility Criteria

Specialization	Eligibility
a. Medical Biochemistry b. Medical Microbiology c. Medical Anatomy d. Medical Physiology e. Medical Pharmacology f. Biotechnology	Minimum 55% marks or equivalent in MD/MS/MDS/M.Ch./M.Sc. in Life Sciences with relevant specialization.
g. Pharmaceutical Sciences	Minimum 55% marks or equivalent in MD/M.Sc. in any branch of Pharmaceutical Sciences/M. Pharm./Pharm. D.
h. Allied Health Sciences (Dental Sciences, Health Professions Education and Nursing Sciences)	Minimum 55% marks or equivalent in MD/MS/MDS or M.Sc. in relevant specialization.
i. Medical Genetics	Minimum 55% marks or equivalent in MD/MS/MDS or M.Sc. in Genetics/Human Biology/Life Sciences with relevant specialization.
j. Hospital Administration	Bachelor degree in Medicine and Surgery/Dental Sciences/Ayurvedic Medicine/Physiotherapy/Nursing/Paramedical Sciences/Management followed by a post graduate degree in the specialization/management with 55% marks both at graduate and post graduate level.

k. Radiodiagnosis	MD/MS/MDS/M.Sc. in Radiodiagnosis/ M.Sc. in Radiation Biology/M.Sc. in Physics with 55% marks both at graduate and post graduate level.
l. Community Rehabilitation	Bachelor degree in Physiotherapy (BPT)/ B.Sc. Nursing/Medicine and Surgery (MBBS) followed by a post graduate degree in Physiotherapy (MPT) or Nursing (M.Sc.) or Community Medicine (MD) or equivalent with 55% marks at post graduate level.
m. Clinical Psychology	Candidates should have passed Master degree in Clinical Psychology or Psychology with a minimum of 55% marks.
n. Audiology and Speech Language Pathology	Candidates should have passed M.Sc. (Audiology)/ M.Sc. (Sp. & Hg.)/MASLP degree examination with a minimum of 55% marks. One year work/research experience after M.Sc. (Sp. & Hg.)/ M.Sc. (Audiology)/ MASLP.

Note

- a. Relaxation of 5% marks in eligibility will be applicable for candidates belonging to SC/ST/OBC (Non creamy layer)/Differently-abled, Economically Weaker Section (EWS) and other categories of candidates as per Government of India norms.
- b. Note: The eligibility marks of 55% or an equivalent grade point average. Relaxation of 5% to the categories mentioned above is permissible based only on the qualifying marks without including the grace marks, if any.
- c. Number of seats: 3 in each discipline, National/State-level reservation policy, is applicable.
- d. Distribution of Seats:
 - (i) SC 25%
 - (ii) BC 10%
 - (iii) HC 5%
 - (iv) NRI 15%

4. Admission Procedure

1. The University shall admit students for Ph.D. programmes through an entrance test, dates for which will be notified on the University website www.adeshuniversity.ac.in.
2. All the candidates who qualify written test will appear for an interview. At the time of interview, the doctoral candidates are expected to discuss their research interests/area, and are to be assessed for their suitability for the programme.
3. At the time of interview, the doctoral candidates must bring their original certificates and a set of photo-copies with them.
4. Candidates seeking admission to Ph.D. programme should download the prospectus from the university website. The duly filled in application form should be submitted on or before the prescribed last date mentioned in the advertisement. If the application form is downloaded from the website the candidate should remit the cost of application form while submitting the application. Incomplete applications will be summarily rejected.
5. Foreign applicants will be considered at any time if recommended by the Ministry of External Affairs, Government of India. The foreign nationals must produce a valid research visa at the time of seeking admission to the Ph.D. programme. If admitted, they will be governed by the rules of Government of India and Adesh University from time to time.

5. Entrance Test

1. Advertisement for admission will be given in leading newspapers as well as at the university website in the month of June/December for odd/even semester.
2. An Entrance Test and interview will be conducted by the university on a pre-announced date (July/January every year for odd/even semester admissions).
3. The question paper will be for a 2 hours' test.
 - i. Part I – Research Aptitude including Research methodology and biostatistics
 - ii. Part II – Disciplinespecific to test the domain knowledge
4. A minimum of 50% score both in the test and interview is required to be eligible for provisional admission to Ph.D. programme.
5. Question paper for part I and part II will be set and evaluated by a board consisting of the concerned subject experts duly constituted by the Vice Chancellor.
6. Candidates who have qualified following examinations will be exempted from entrance test:
 - i. UGC/CSIR-NET/JRF examination.
 - ii. GATE/SLET/INSPIRE fellowship/Teacher Fellowship examination.

6. Categories of Ph.D. Candidates

There shall be following three categories of Ph.D. candidates:

- a. Full-time candidates
 - b. Part-time teacher candidates (internal & external)
 - c. Part-time non-teacher candidates (internal & external)
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- a. Full-time Ph.D. candidates
 - i. All eligible candidates who are admitted to the Ph.D. programme as per eligibility criteria mentioned above and pursue full-time research for Ph.D. in this university will fall in this category.
 - ii. A person working in Adesh University in a project sponsored by the UGC/CSIR/ICSSR/ICAR/MOEF/DST/DBT/ICMR and other funding agencies with a duration of not less than two years shall also be eligible to register for Ph.D. under this category, provided his/her Principal Investigator consents and the candidate fulfils the eligibility criteria mentioned above.
 - b. Part-time teacher candidates (internal & external)
 - i. Part-time internal teacher candidates:
The eligible candidates are those working as temporary or regular faculty members in various Departments/ Constituent Colleges of this University.
 - ii. Part-time external teacher candidates:
The eligible candidates are those who are working as teachers in any educational/research Institution other than Adesh University. Such candidates will have to provide the details of the research facilities as required for pursuing the programme at their parent institution and have these accredited by the concerned authorities of Adesh University or alternatively will have to carry out research work at the facilities of Adesh University. Such candidates shall provide a No Objection Certificate (NOC) from their employer for pursuing Ph.D. programme at Adesh University. They will also be required to provide the detail of a co-supervisor from their parent institution to supervise the research work. The person to be eligible to be co-supervisor should be a regular Professor/Associate Professor holding Ph.D. degree with five publications or an Assistant Professor holding Ph.D. degree with minimum two research publications.

c. Part-time non-teacher candidates (internal & external)

(i) Part-time internal non-teacher candidates:

The eligible candidates are the regular non-teaching staff of Adesh University with three years of service at the time of applying for the Ph.D. programme.

(ii) Part-time external non-teaching candidates:

- a. The eligible candidates are those working as staff in departments of state/central government, public/private/NGO with three years of service at the time of applying for the Ph.D. programme.
- b. Retired persons can also register themselves under this category, provided they satisfy the eligibility requirements.

7. Residential Requirement (Part-time)

(i) Part-time teacher and non-teacher external scholars are required to reside on campus for minimum 180 days.

(ii) The research supervisor concerned will decide what constitutes "residence" and where the residential requirement is to be fulfilled, considering the nature of the study and its requirements. The research supervisor shall submit a certificate to the Registrar to the effect that the candidate has completed 180 days of residential requirement when submitting the thesis.

8. Tuition Fee

- i. **Full Time** – 41250(INR) /- Per semester
- ii. **Part Time** – 55000 (INR) /- Per semester
 - a. Hostel Charges Rs. 15000/- (Per semester)
 - b. Registration fee Rs. 5000/- (one time)
 - c. Security Deposit Rs. 10000/- (Refundable)
 - d. Thesis submission charges will be notified at the time of thesis submission
- iii. **NRI/PIO**– 2350 \$ /- Per year
 - a. Hostel Charges US\$ 1500 (Per year)
 - b. Registration fee US\$ 75 (One time)
 - c. Security Deposit US\$ 250 (Refundable)
 - d. Thesis charges will be notified at the time of thesis submission

Note: Upto 40% concession in the tuition fee for the internal candidates.

Upto 30% concession in the tuition fee for wards of Ex-servicemen.

An in-service candidate of Adesh University requiring fee concession will sign an agreement that he/she will serve the university for at least two years after completion of Ph.D. programme failing which he/she will refund the amount of fee concession received during Ph.D. with interest as decided by the management.

9. Registration requirements for foreign nationals in FRRO (Foreign Regional Registration Office)– Only foreign Students

As mentioned on website of "BUREAU OF IMMIGRATION, Ministry of Home Affairs, Govt. of India" (link-<http://boi.gov.in/content/registration-requirements-foreign-national>), every Foreigner visiting India on Student visa(S), Research visa(R), valid for more than 180 days is

required to get himself/herself registered with concerned FRRO, within 14 days of his/her first arrival, irrespective of the duration of his/her stay.

After their User-ID is approved by the district FRO concerned, the Adesh University will be able to fill the details of foreign students in Form-S viz (Student Profile, Performance etc. in case of application for extension).

C-Form to be filled up by foreigners(indianfrro.gov.in/frro/FormC)

All foreign nationals are required to fill up Form-C through online portal (Rule14, Registration of Foreigners Rules, 1992) within 24 hours of their arrival to hotels/boarding houses etc., (which includes any boarding-house, club, rest house, paying guest house and so on). This is centralized online system maintained by Foreigner's Regional Registration Office (FRRO) of each City.

The following documents are required for Form C online registration:

- a. A passport size photo
- b. Passport copy
- c. Visa copy

The copy of the submitted C-form should be available with the foreigner wherever he goes along with his original passport.

FORM-S (Foreign Students Information System- FSIS) is used to capture information about foreign nationals admitted in Indian educational institutions.

Documents required for the FSIS No. are:

- a. S- Form
- b. Bonafide Certificate
- c. Copy of the admission/registration folio
- d. Passport copy
- e. Visa copy

10. Fee deposition by the candidates

1. Selected candidate shall pay his/her fee for admission and get himself/herself registered within the prescribed date which, normally, shall not be later than seven working days immediately preceding the date of commencement of course work.
2. However, the Registrar may, on the recommendation of the chairperson CIBR, permit late admission of a candidate up to another seven working days immediately following the expiry of one week from the date of commencement of the course work.
3. Fee can be deposited online as well as in the Accounts office, as per notified dates.
4. All candidates submitting online fee must obtain fee receipt from central accounts office after showing proof of online payment.

11. Registration of admitted students

1. On day one of every semester the students will register by filling five registration cards with the help of CIBR faculty. First semester of the program will be devoted to course work. Signatures of teachers offering courses on all the five registration cards will be obtained for completion of the registration process.
2. Unauthorized absence from the registration programme will be treated as a serious lapse and for this lapse, fine will be charged.

3. Original certificates will be kept in CIBR until their verification is done by Adesh University.
4. Students must submit affidavit stating that their submitted documents are original and they will be liable for punishment in case of any forgery.
5. The Chairperson CIBR or the nominated faculty will sign the cards on behalf of supervisor (Advisor/Guide) for semester I or even semester II till the supervisor is allotted. Submission of registration cards to Registrar will complete the registration process. For subsequent semesters (semesters II to VI/VIII) the students will register for their research work and complete 60 research credit hours satisfactorily to qualify for the degree.

12. Issue of Ph.D. registration ID

Ph.D. registration ID will be issued only after the student has paid the fee, registered for current semester and submitted the original certificates for verification. Verification of original certificates is essential for getting Ph.D. registration ID and without this no scholar can take end semester examination.

Following documents are required in original for getting registration ID:

- (i) Matriculation Certificate (ii) +2 Certificate (iii) B.Sc. degree and DMCs for all the six semester (iv) Master degree and DMCs for four semesters (v) Migration Certificate (vi) Character Certificate from the last attended Institute (vii) Residence proof (viii) Category Certificate (ix) Gap in education Certificate.
- (ii) The originals will be returned to students after verification.

13. Hostel

1. Adequate hostel facilities are available with Adesh University.
2. Students should apply for hostel accommodation to the Chairperson CIBR and allotment of hostel accommodation will be made on merit subject to availability.
3. As approved by the competent authority Rs. 500/- per day has been fixed as charge for providing hostel accommodations to part time external/Ph.D. scholars visiting Adesh University for taking examinations etc.

14. Attendance

1. Full time Ph.D. candidate is required to attend CIBR punctually, at the hours notified.
2. Candidate will not be allowed to continue or appear in the examination(s) of the concerned subject if his/her attendance falls below 75% in a subject.
3. Ph.D. candidate should contact the supervisor, sign in an attendance register kept with the supervisor and the office of CIBR daily.
4. The part time internal candidates should submit their monthly attendance to Chairperson CIBR duly signed by the supervisor and head of respective department.
5. The daily attendance of the part time external candidates is marked with their co-supervisor. They must also mark their attendance in the register kept in the CIBR office whenever they visit Adesh University.
6. The attendance record will be verified by Chairperson CIBR at the time of pre-dissertation submission seminar.

15. Continued Internal Assessment System and Examinations

1. The students should complete mandatory 14 credit hours course work.

2. The students will be continuously evaluated for academic performance in each course through surprise tests, three pre-announced examinations (First Hourly Examination, Mid Term Examination, and Second Hourly Examination), tutorials, assignments, term paper and End Semester Examination.
3. A student will be permitted to appear in the End Semester Examination (ESE) as per the conduct of Examinations Rules after filling up the prescribed examination form, payment of the prescribed examination fee, satisfying the attendance requirement and fulfilling other eligibility criteria.
4. Unless prescribed in the regulations and the scheme of Examination, a candidate will be deemed to have completed his/her course successfully if he/she obtains Grade Point average of 5.5 on 10-point scale.
5. If a student fails at the end of a semester to achieve the minimum grade point average prescribed above, he/she shall repeat that course and the repetition will be allowed only once. The students will be required to deposit the examination form along with prescribed fee for all such examinations.

16. Course Work and Research Credits

All Ph.D., scholars irrespective of discipline, shall be required to take credit-based courses. The credit requirement for Ph.D. programme is given below.

Type of course	Course Title	Credit hours
Bridge courses*	(i) Human Anatomy	3 (NC)
	(ii) Human Physiology	3 (NC)
Compulsory courses	Research Methodology and Biostatistics	4
	Advances in the specialization (Major Subject)	4
	Seminars in the specialization (Major Subject)	2
Other compulsory courses	Universal Human Values and Ethics	2
	Research and Publications Ethics	2
Total	Number of courses = 5	Credit hours= 14

* Required for scholars from streams in which these subjects are not taught.

Note:

- a. The coursework will be treated as a prerequisite for Ph.D. preparation.
- b. The programme of study once drawn will be followed strictly. Only under exceptional circumstances the programme of study may be altered by the Doctoral Advisory Committee.
- c. All candidates admitted to the Ph.D. programmes will be required to complete the prescribed course work during the initial one or two semesters.

17. Dropping of a semester

1. A student may drop the current semester for which he/she has registered, with the permission of the Dean Academic Affairs due to personal sickness (at least for two weeks duration)/the female students who are on the family way/suffer mis-carriage/undergo medical termination of pregnancy.

2. The medical certificate from the Senior Medical Officer, Civil Hospital or Medical Superintendent of Adesh Hospital or Hospitals recognized by the Adesh University will be required.
3. The permission to drop the semester must be obtained before the start of end-of-term examination. Such a student can register for the next semester with the permission of the Dean/Principal concerned.

18. Temporary Discontinuation of study programme and re-admission

1. Temporary discontinuation will be allowed only for students who have secured a scholarship for visit abroad etc. or jobs and want to join the same. Such students must have completed all the course work, and minimum of 75 per cent of research credits. Re-admission will be done on the recommendation of Chairperson CIBR and Dean Academic Affairs if the student seeks re-admission and joins the programme in the following semester after the expiry of his/her two discontinued semesters or earlier.
2. The approval of the Academic Council will be required if the period of this discontinuation exceeds two semesters but it cannot be more than 6 semesters.
3. The request for re-admission for consideration of the competent authority should be submitted to the Chairperson CIBR at least 2 months before the commencement of semester in which student intends to seek re-admission.
4. All such students will be re-admitted against vacant seats.

Note: The students, who discontinue the study programme without permission of the Dean Academic Affairs, shall not be eligible for re-admission.

19. Doctoral research synopsis

1. Within six weeks of allotment of a student to supervisor, the student should submit the synopsis for his/her Ph.D. dissertation research as per approved format. The supervisor of student will help the student to develop a synopsis for his/her Ph.D. research work.
2. The subject of the thesis shall, as far as possible, related to the research needs of the state identified by the university and the area of specialization of the supervisor.
3. Ph.D. candidate will present the proposed synopsis of research work to faculty of respective department, CIBR and the Doctoral Advisory Committee (DAC) who will finalize the research proposal.
4. The synopsis will require approval of Institutional Research Committee (IRC) and Ethics committee for Biomedical and Health Research (ECBHR), Adesh University before initiating the research work.
 - a. The full time and part time internal candidates will get approvals from IRC and ECBHR of Adesh University after the research synopsis has been finalised by Doctoral Advisory Committee (DAC).
 - b. Whereas, the part time external candidates will require approval of research committee (RC) and ethic committee (EC) of their host institute for the research proposal approved by the DAC of the candidate. The final approval will be issued by the Dean Academic Affairs on recommendation of Dean Post Graduate Studies and Research.

20. Allocation of research supervisor and eligibility criteria to be a research supervisor and co-supervisor

Within six weeks of admission to the Ph.D. program, the scholars will be allotted to a supervisor/advisor. The eligibility criteria for becoming a supervisor/co-supervisor is given below:

1. Permanent faculty members working as Professor or Associate Professor having Ph.D.degree and 5 research publications in peer-reviewed or referred journals.
2. Permanent faculty members working as Assistant Professor with Ph.D. degree having 3 research publications in peer-reviewed or referred journals.
3. A Research Supervisor/Co-Supervisor who is a professor cannot guide more than eight (8) Ph.D. scholars at any given point of time. An Associate Professor as Research Supervisor can guide up to a maximum of six (6) Ph.D. scholars (including co-supervision) and an Assistant Professor as Research Supervisor can guide up to a maximum of four (4) Ph.D. scholars.

21. Submission of progress report

Every Ph.D. scholar will submit a progress report every six months and present the progress of research to a committee constituted by Chairperson CIBR. The progress of student will be assessed as satisfactory or unsatisfactory.

22. Steps in completion of Ph.D.

1. Upon satisfactory completion of course work and obtaining the grade point average of 5.50/10.00, the Ph.D. scholar will undertake research work.
2. After completion of research work, the scholar will make a presentation on his/her research work in the Department before the Research Advisory Committee. Presentation will be open to all faculty members of the respective department (s) and other research scholars. The feedback and comments obtained from them may be suitably incorporated into the draft thesis in consultation with the Research Advisory Committee.
3. It is desirable that the research work of Ph.D. scholars will be published in peer reviewed or UGC indexed journals and presented in conferences/seminars.
4. The dissertation will be submitted together with an originality report produced by an anti-plagiarism software application.
5. The Ph.D. dissertations submitted by a research scholar will be evaluated by his/her Research Supervisor and at least two external examiners, who are experts in the field.
6. The *vivavoce* of the research scholar to defend the thesis will be conducted only if the evaluation report(s) of the examiner(s) on the thesis are satisfactory and external examiners recommend holding the *viva voce*.
7. The *vivavoce* examination will be conducted at CIBR by the research supervisor in the presence of at least one of the two external examiners in presence of all members of the Doctoral Advisory Committee (DAC), all faculty members of the Department, other research scholars and other interested experts/researchers.

23. Depository with INFLIBNET

Following the successful completion of the evaluation process and before the announcement of the award of the Ph.D. degree, the CIBR will submit an electronic copy of the Ph.D. thesis to INFLIBNET for hosting under "Shodhganga", to make it accessible to all the Higher Educational Institutions and research institutions within and outside the country.

24. Award of Provisional certificate

Prior to the actual award of the degree, the Controller of Examinations, Adesh University will issue a provisional degree certificate to the effect that the Degree has been awarded in

accordance with the provisions of theUGC (*Prior to the actual award of the degree, the degree-awarding Institution shall issue a provisional certificate to the effect that the Degree has been awarded in accordance with the provisions of these UGC Regulations*)regulations of 2022.

Important: -The registration to the Ph.D. programme at the CIBR, Adesh University signifies that she/he has accepted the conditions and guidelines set out in the policies and that she/he commits her/himself to respect all aspects of research throughout the Ph.D. programme on which she/he has registered.