

BIKANER TECHNICAL UNIVERSITY



INFORMATION BROCHURE Doctoral Admission Test (BTU-DAT)

2024-25

PREFACE

This information brochure will be helpful for the candidates seeking admission in the Ph.D. Programs of university constituted/affiliated colleges and approved Research Centres of Bikaner Technical University, Bikaner. This Brochure contains eligibility conditions, admission procedure, and instructions to the candidate seeking admission to various Ph.D. Programs offered by university. Admission would be made through entrance test for the academic year 2024-25.

Candidates shall read this brochure carefully before applying for Ph.D. admission.

IMPORTANT INSTRUCTIONS FOR THE CANDIDATE

“Candidate must ensure the following important instructions before applying for Ph.D. admission through entrance test ”

1. They must read all the guidelines (information brochure), eligibility conditions for respective programs for Ph.D. admission.
2. They must be aware of and abide by all eligibility criteria as mentioned in the information brochure and ensure that they fulfill all such conditions for taking admission to the Ph.D. program.
3. They shall provide only authentic information and all the documents attached with the application form should be self-attested. In case any information given by them is found incorrect at any point of time, their admission/candidature will automatically stand CANCELED without any further reference and they will be liable for all the consequences such as cancellation of registration and forfeiture of registration fee followed by suitable legal action.
4. After submitting the application form, they would not be able to change any information at any stage.
5. They shall provide their authentic mobile number and email id in application form so that all the further correspondence regarding Ph.D. admission will be directed on the same.

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1. About Bikaner Technical University

Bikaner Technical University (BTU) is located in Bikaner in the state of Rajasthan. It was established in 2017 by the Government of Rajasthan to enhance technical education across the state. The university is located in Karni Industrial Area, Pugal Road, Bikaner. It is about 10 km from Bikaner Railway Station and 8 km from Bikaner Bus Stand. It is one of the reputed institutes with the latest teaching methodologies. The University is shouldering the responsibilities of 12 districts of western Rajasthan with implementation of new courses and research programmes. The technical institutes of Bikaner division, Jodhpur division, Ajmer division (district Nagaur, Ajmer), Jaipur Division (District Alwar, Sikar and Jhunjhunu), are under the administrative and academic control of BTU.

The Hon'ble Governor of Rajasthan his Excellency Shri Kalraj Mishra is the Chancellor and Prof. Ajay Kumar Sharma is the Hon'ble Vice-Chancellor of the Bikaner Technical University (BTU).

Bikaner Technical University aims to provide quality technical education to help Rajasthan in its technical development and boost the technical environment in the country. The University offers almost all the disciplines related to technical education including Bachelor of Technology, Master of Technology, Doctor of Philosophy, Master of Business Administration, Master of Computer Applications.

The University is making steady progress in developing and providing the best technical environment for education and will continue to serve the nation in the coming years.

2. Provisional list of Research Centers and vacant seats for the Session 2024-25:

The provisional list of the available Research Centers and vacant seats for the session 2024-25 will be displayed on the BTU website. However, the University reserves the right to increase or decrease the number of vacant seats during the admission process at any time without prior information.

3. Ph.D. admission under University Ph.D. Programme

Applications are invited from the interested candidates to pursue their Ph.D. in university and its constituted/affiliated colleges/ approved Research Centres through a written test.

3.1 Eligibility for Admission

3.1.1 Eligibility for full time research Scholar

A candidate possessing the qualifications in appropriate areas and fulfilling the eligibility criteria as prescribed below, shall be eligible for admission to Ph.D. programme in the respective disciplines of university:

i) Master's degree in the appropriate discipline of any recognized University/Institute or equivalent, with a minimum of 55% marks in aggregate (of all the years/semesters) where marks are awarded or minimum equivalent Cumulative Grade Point Average (CGPA) as defined by AICTE.

ii) A relaxation of 5% or equivalent grade point in the minimum eligibility shall be applicable to the applicant belonging to the categories of SC/ST/OBC (Non Creamy Layer), Differently abled persons and those who had obtained their Master's Degree prior to 19th September, 1991 or categories decided by UGC from time to time.

iii) Candidates for full time research programme shall preferably be permitted having sponsorship/ assistantship/ fellowship/ any financial support from university/ state or national level agency, etc., however, candidates may also be admitted without any financial support as above, in self-sponsored category.

iv) The applicant needs to fill Form 1(a) or Form 1 (b) as per his/her applicability (Annexure -1).

3.1.2 Eligibility for Part-time Research scholar

In addition to the educational qualifications mentioned at 3.1.1 (i) and 3.1.1 (ii) the applicant shall prove the following to the satisfaction of the DRC/FRC (Department Research Committee/ Faculty Research Committee):

- i) Permission of the employer in writing to the candidate, to pursue Ph.D. programme along with his regular duties in the organization he/she is employed.
- ii) Availability of all facilities for pursuing research at the candidate's parent organization/ place of work in the chosen field of research.
- iii) A one-semester relieving certificate issued by the employer is required to allow him to fulfill the residential requirement during course work and contact days with supervisor after completion of the course work as notified by University from time to time.
- iv) Any candidate who is employed in any organization/ institution/ industry situated within the 50 km distance from the University may be relaxed for the relieving certificate/ residential requirements for the course work.
- v) The applicant is mandatorily required to submit either Form 2(a)/Form 2(b) (only for university faculty and staff/University project staff) or Form 2(c) (all other applicants) as per his/her applicability (Annexure -2).

4. Admission Procedure

4.1) How To Apply

Interested and eligible candidates can apply through filling the prescribed application form available at University website. For any further queries, you may contact the Dean Research Office.

4.2) Admission Process

- 1) In all Ph.D. programs, the admission shall be granted as per Bikaner Technical University ordinance and regulations for the degree of Doctor of Philosophy and the subsequent modifications thereof. **The Ph.D. Admission test will be conducted at Bikaner Technical University Bikaner or Engineering College Ajmer that will be announced on the BTU website.**
- 2) List of the applicants eligible for entrance examination will be displayed only on BTU website and no individual communication will be made. The applicants are

advised to visit regularly on the BTU website for the schedule of test and other updated information.

- 3) The entrance examination BTU-DAT shall be of two-and-a-half-hour duration consisting of 100 objective type multiple choice questions of one mark each in which a set of 50 questions will be based on for Research Methodology and another set of 50 questions for Specialization paper. The candidates who obtain at least 50% marks in the entrance examination (i.e. 50 marks out of the maximum total marks 100 in both the components of the entrance exam taken together) will be declared as qualified for the interview. Provided that a relaxation of 5 % of marks (from 50% to 45%) shall be allowed for the candidates belonging to "SC/ST/OBC (Non-Creamy layers)/MBC (Non Creamy layers)/Differently-abled category/ EWS" in the BTU-DAT examination to qualify for the interview (i.e. 45 marks out of the Maximum total marks 100 in both the components of the entrance exam taken together). It will be modified from time to time as per the UGC guidelines.
- 4) Qualified candidates of Ph.D entrance test 2024-25 examination, shall be called for interview/viva voce before the Department / Faculty Research Committee to discuss their research interest/ area and give a presentation on the same. The interview/viva voce shall also consider the following aspects-
The candidate possesses the competence for proposed research work.
 - a) The research work can be suitably undertaken at the institution/ college/ research center.
 - a) The proposed research work is contributing to new/ innovative ideas.
 - b) The allotment of the supervisor and topic shall be done on the merit-cum-choice of the candidate. However, recommendation of DRC/FRC shall be final.
- 5) All candidates who qualify UGC-NET (including JRF/ UGC-CSIR NET/ GATE/ / SLET/ Teachers Fellowship holders) will be exempted from Ph.D. entrance test and will be called for an interview. Priority shall be given to the candidates who belong to the above categories.

- 6) The University reserves the right to increase or decrease the number of vacancies or not to fill any of the vacancies during the admission process at any time without the prior notice.

4.3 Final Selection

- I. If the number of seats is equal to or more than the qualified candidates, the DRC/FRC may recommend all or less number of candidates depending upon the criteria specified at (4.2(iv)).
- i. If the number of seats is less than the number of qualified candidates, final selection shall be made on the basis of merit in the qualifying test and viva-voce/ interview.
- ii. The merit will be prepared by giving 70% weightage for the entrance test and 30% for the performance in the interview/ viva-voce. The distribution of the 30% marks of the interview/ viva-voce shall be as below:
- 10 marks of candidate's competence in the proposed research area viz. familiarities with the necessary software/ lab equipment/ analytical etc and research aptitude.
 - 10 marks contribution of the proposed research work to new/ innovative ideas.
 - 10 marks for candidates technical/scientific knowledge in the proposed research area.
- iii. On a notified date, the DRC/FRC shall interview the invited applicants in the order of merit of Ph.D. Admission Test. **The candidates are required to discuss their research interest/area/plan through a presentation (approx. 15 minutes duration) before DRC/FRC.** The DRC/FRC will judge the suitability of the applicant for admission on the basis of following:
- The candidate possesses the competence for the proposed research;
 - The research work can be suitably undertaken at the Institution/College/Research Centre;
 - The proposed area of research can contribute to new/additional knowledge.
- iv. The candidate shall be asked questions after completion of presentation and shall be evaluated based on the basis of-

- Candidate's competence in the proposed research area viz. familiarity with necessary software/lab equipment's/analytical/ numerical methods etc. and research aptitude.

- Contribution of the proposed research work to new/additional knowledge

- Candidate's technical/scientific knowledge in the proposed research area and clear understanding of the proposed research area.

v. The final merit list of the selected candidates in individual specialization shall be prepared by the concerned DRC/FRC on the basis of aggregate marks obtained in entrance examination and interview as prescribed in Regulations. The candidate shall be allotted supervisor by DRC/FRC in the order of merit. Preference of the candidate for supervisor shall be considered as far as possible. However, recommendations of the DRC/FRC regarding allotment of supervisor and research center shall be final and binding. DRC/FRC will allot the supervisor on the basis of specialization of supervisor, interest area of the applicant and mutual consent of supervisor and applicant considering available seats. The final list of selected candidates for admission shall be displayed on the web-portal after due approval of the competent authority. The university reserves the right to modify/ amend/ alter the procedure/ process mentioned above at any stage and without any further notice.

vi. University reserves the right not to fill all the vacant seats in the absence of suitable applicants and/or non-availability of supervisor in the chosen area of research as decided by DRC/FRC. Merely qualifying Ph.D. Admission Test and/or appearing in the interview do not entitle the applicant for admission to the Ph.D. program.

vii. Please note that “The DRC/FRC interviews for research centers belonging to/ affiliated to Bikaner Technical University, Bikaner shall be conducted at the premises of Engineering College Ajmer / BTU Bikaner.”

viii. The reservation for the University Ph.D. program will be as per the **Rajasthan State Government Reservation Policy**. Applicants taking admission through any reserved category should have a valid certificate .

- ix. If any Scholarship/ Assistantship/ Fellowship is available, it will be provided to full-time Ph.D. applicants as per the prevailing BTU norms at the time of admission.
- x. The applicants shall not be paid any TA/DA for appearing in the written test/ interview. No stay arrangements shall be made by the University for appearing in the examination/ interview.
- xi. The applicant having any grievance against the question(s) asked in Ph.D. Admission Test may submit the same in writing to the Dean Research, BTU Bikaner on the same day before the interview.
- xiii. In case there is a difference in the interpretation of rules and procedure mentioned in this brochure and the Ph.D. Ordinance/Regulations declared by the BTU, then the Ph.D. Ordinance/Regulations shall supersede and overtake.

5. Other Terms and Conditions

- i. If the information submitted by any candidate is found to be fraudulent, incorrect or untrue, the seat allotted (if any), shall stand canceled and his/ her fees deposited shall be forfeited and he/she will also be liable for legal action.
- ii. *The candidates are mandatorily required to bring their original documents at the time of the interview to DRC/FRC and at the time of reporting. The candidates are also required to produce form 1(a)/form 1(b)/ form 2(a) to 2(d) (whichever is applicable) at the time of interview to DRC/FRC. Failure to produce the relevant and applicable form/certificate may lead to refusal/denial/rejection by the concerned DRC/FRC to interview the candidate.*
- iii. The eligibility of the applicant for the entrance test shall be decided provisionally based on the information provided in the application form. In the event of any information being found incorrect or misleading, the candidature shall be liable to cancellation by the University at any time.
- iv. **If an applicant wishes to apply for more than one specialization/ department, he/she shall have to submit the separate application form along with**

Registration fee. Such applicants are required to appear in individual specialization papers of University Ph.D. programmes and shall also be required to give separate presentations of research interest/area/plan relevant to each of the specializations applied for during the interview. The applicants who do not appear in an interview of a particular specialization shall be declared absent and shall not be considered for admission in that specialization.

- v. An applicant who has applied for more than one specialization under the same department shall be asked to give his/her preference of specialization and supervisor at the time of interview by concerned DRC/FRC, and after interview if he/she is appearing in the merit list of more than one specialization shall be allotted seat/supervisor only in one specialization depending upon the applicant's preference and availability of consenting supervisor. The decision of the DRC/FRC in this regard shall be final and binding.

6. Contact and Helpline Number for Ph.D. Admission - 2024-25

Candidates are advised to go through the information brochure, all relevant information on BTU website and other related guidelines before applying to the University Ph.D. programme. For any clarification/ query regarding Ph.D. admission-2024-25, the candidate may contact to the following address:

Dean Research (Bikaner Technical University)
Engineering College Ajmer
Badliya Circle, National Highway No. 8,
Ajmer- 305025
email: dean.research@btu.ac.in
Contact: [9928073047](tel:9928073047)

Note: It is strongly advisable to regularly check BTU official website for the most current and accurate information regarding the admission process.

Annexure-1

Category	Form to be attached
Full Time Sponsored	<u>Form 1 (a)</u>
Full Time Self-financed	<u>Form 1 (b)</u>
Part Time BTU Staff	<u>Form 2 (a)</u>
Part Time BTU Project	<u>Form 2 (b)</u>
Part Time Self Finance	<u>Form 2(c)</u>

Format for Form 1 (a)
(Mandatory for category Full Time Sponsored)

Declaration by Employer of the applicant

Application of Mr/Ms./Mrs.....who is working as..... (designation) in the department of our institution/organization is hereby forwarded for admission as Full-Time research scholar at Bikaner Technical University Bikaner . He/She is working in our institute/organization since(minimum two years working experience is required.)

In case, he/she is selected for admission by the university in the Ph.D. program; he/she shall be relieved in time to join the Ph.D. program. He /she will also be treated on duty and will be provided his/her regular salary during the period of Ph.D.

Date:

Head of Institution

Signature with seal

Format for Form 1 (b)

(Mandatory for category Full Time Self-financed)

Application of Mr./Ms.....who is working as..... (designation) in department of our institution and applied for admission as Full-Time research scholar at Bikaner Technical University Bikaner is forwarded. In case he/she is selected for admission, he/she shall be granted study leave of years (minimum two years) to pursue the Ph.D. He/ She will be relieved in time by our institution to join the Ph.D. program.

Date:

Head of
institution
Signature with seal

Format for Form 2(a)
**(Mandatory for category Part Time of Bikaner Technical
University Faculty/Staff)**

Application of Mr./Ms. who is working as (designation) in the department of our institution and applied for admission as Part Time research scholar at Bikaner Technical University Bikaner, is hereby forwarded. He/ She has more than three years of working experience.

Date:

Head of institution
Signature with seal

Format for Form 2(b)
(Mandatory for category Part Time Project Staff of Bikaner Technical University)

Application of Mr./Ms/Mrs..... who is working as (designation) in department is hereby forwarded for admission as Part Time research scholar of Bikaner Technical University Bikaner.

Date:

Principal
Investigator/
Convener of Project

Format for Form 2(c)
(Mandatory for category Part Time Self finance)

Declaration by Employer of the applicant

Application of Mr./Ms./Mrs. who is working as (designation) in institution/organization is hereby forwarded for admission as Part Time research scholar at BTU Bikaner. He has been working in our institute/organization since(minimum three years working experience is required). In case he/she is selected for admission, he/she shall be allowed to complete all the mandatory residential and other requirements of the Program/ Course as per the rules of the university.

This is also certified that the sufficient research facility pertaining to his/her research work is available at our institute/organization and will be made available for his/her utilization.

Date:

Head of institution

Signature with seal

* Applicants having less than three years' experience under current employer need to submit the past experience certificate(s) totaling at-least three years duration in addition to the above mandatory certificate from the current employer.