



# ASSAM SCIENCE AND TECHNOLOGY UNIVERSITY

(A State University of Government of Assam constituted by "Assam Science and Technology University Act 2009)

Tetelia Road, Guwahati 781 013 Assam

## Advertisement for Admission to Doctoral Programme

Assam Science and Technology University (ASTU), Guwahati, invites application from eligible candidates for Ph. D. admission in the following subjects for the session 2023-24

1. Civil Engineering
2. Computer Science and Engineering
3. Electrical Engineering
4. ECE/ETE
5. Energy Engineering
6. Mechanical Engineering
7. Water Resource Management
8. Business Administration
9. Chemistry
10. Physics
11. Pharmaceutical Science
12. Chemical Engineering

In addition to above, the following subjects may be available to the applicants:

1. Management and Humanities
2. Biology and Biophysics
3. Biological Sciences
4. Chemical Sciences
5. Engineering Sciences

### 1. ELIGIBILITY

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

- 1) Candidates who have completed:
  - i. A 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 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 qualification 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, recognised or authorised 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.

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.

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 Commission from time to time.

- 2) 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, recognised or authorised 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, shall be eligible for admission to the PhD 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.

## **2. SELECTION PROCEDURE:**

- i. The procedure of selecting candidate shall comprise of a written Entrance Test namely, Research eligibility test (RET), followed by personal interview.
- ii. The test will have two components The written entrance test will have qualifying pass marks as 50%. The syllabus of the Entrance test shall be of 50% of research methodology; and 50% shall be subject specific.

No. of seats will depend on (i) availability of PhD research Guides recognized by the university and also (ii) availability of vacancy under each guide as per the UGC norms. The university reserves the right to admit or not to admit scholar. Reservation of seats as per the norms of Government of Assam.

## **3. MODE OF THE DOCTORAL PROGRAMME:**

Both Part-time and Full-Time programme

**N.B** The part time mode of PhD will be permitted, provided all the conditions stipulated in UGC regulations as applicable. (Currently No. F.No.1-3/2021(QIP) dated 7<sup>th</sup> November, 2022, Clause. 13 are fulfilled)

#### **4. PHD RESEARCH CENTRES**

The recognized research centres under the university are listed below:

- i. Assam Engineering College (AEC), Jalukbari, Guwahati
- ii. Jorhat Engineering College (JEC), Jorhat
- iii. Jorhat Institute of Science and Technology (JIST), Jorhat
- iv. North Eastern Institute of Land and Water Resource Management (NERIWALM), Tezpur
- v. Assam Institute of Management (AIM), Guwahati
- vi. School of Engineering, ASTU, Guwahati
- vii. NETES Institute of Pharmaceutical Science (NIPS) Shantipur, Mirza, Kamrup, Assam

**The following research centres are in process:**

- i. Gauhati Commerce College, Guwahati
- ii. Pub Kamrup College, Kamrup
- iii. Kanoi College, Dibrugarh
- iv. Tocklai Tea Research Institute, Jorhat

#### **5. SUBMISSION**

Interested candidates may submit application online by filling up & uploading the required documents [HERE](#)

#### **6. Documents to be uploaded with the application form:**

- a) A recent passport size colored photograph of the candidate should be uploaded in the online application form. Size of the photograph must be less than 256 kb, height and width of the photograph should be 200 pixel and 175pixel, respectively. The photograph should be either in JPG/JPEG format.
- b) A scanned clear signature in JPG/JPEG format (size 256 kb) should be uploaded in the online application form. The height and width of the signature must be 75 pixel and 175 pixel, respectively.
- c) High School Leaving (10th standard) Certificate & Marksheet/Grade Card in a single PDF File (Max File Size: 1 MB)
- d) HS (10+2 standard) Certificate & Marksheet/Grade Card in a single PDF File (Max File Size: 1 MB)
- e) Certificate & Marksheet/Grade Card of UG and PG in a single PDF File (Max File Size: 1 MB).
- f) Certificate & Marksheet/Grade Card of any other Degree/Diploma (if the candidate has received) in a single PDF File (Max File Size: 1 MB).
- g) The relevant certificate issued by the competent authority, if seeking admission under any reserved category as mentioned, in a single PDF File (Max File Size: 1 MB). Caste/Tribe certificates MUST BE issued by the Competent Authorities

recognized by the Government of Assam. Caste/Tribe Certificates of other state will not be valid.

- h) Sponsorship/No Objection Certificate issued by the employer, if the candidate is employed, as required.
- i) Online Application Fee payment Proof

## **7. APPLICATION FEES**

The applicants shall have to pay a Non-refundable Application fee of Rs. 2000/- in the following bank account through **ONLINE mode of transaction:**

A/C Name: Assam Science and Technology University

SBI A/C No: 33768271543

IFSC Code: SBIN0010670

MICR Code: 781002038

Branch: Assam Engineering College

Branch Code: 010670

**N.B.** The scan copy of the fee transaction proof to be uploaded with the application form (as mentioned above)

## **8. EXAMINATION CENTRE**

Admission test shall be conducted in the university (ASTU Campus) or any of the recognized centres of affiliated college.

**9.** Last date for submission of application : from 5<sup>th</sup> October to 20<sup>th</sup> October, 2023

**10.** Date of examination and other updates will be available in the ASTU website

**Vacancy position in the PhD centre(s) under ASTU for the session 2023-24**

Sl No	PhD Centre	Department	Specialisation	Vacancy for Phd Students
1	AEC	Chemical Engineering	No Specialization	13
2	JEC	Civil engineering	Water resource engineering	1
3	JEC	Civil engineering	Structural Engineering	2
4	JEC	Civil engineering	Geotechnical engineering	1
5	JEC	Civil engineering	Engineering geology, Remote sensing, GIS	2
6	AEC	Civil Engineering	Geotechnical Engineering	4
7	AEC	Civil Engineering	Water Resources Engineering	10
8	ASTU	CSE	Software	4
9	JEC	CSE	NLP, Machine learning,AI	2
10	JEC	CSE	Big Data, Machine Learning	3
11	JEC	CSE	Data Mining	4
12	JEC	Electrical Engineerign	Signal Pocessing,Power System,Smart Grid	2
13	JEC	Electrical Engineerign	Contol System	4
14	AEC	Electrical Engineering	Power system	6
15	AEC	Electrical Engineering	Renewable Energy, reliability engineering, optoelectronics	6
16	AEC	Electrical Engineering	Signals and system	2
17	AEC	ETE	No Specialization	2
18	AEC	ETE	No Specialization	2
19	AIM	Management	HRM/Rural Management	3
20	AEC	MCA	CSE	8
21	JEC	Mechanical engineering	Industrial Engineering and Management	2
22	JEC	Mechanical engineering	Energy	2
23	NIPS	Pharmacy	Pharmaceutics	24
24	JIST	Physics	Particle physics high energy physics astrophysics and cosmology	2
25	NERIWALM	WRM	Water Rtesources Management	3
26	NERIWALM	WRM	Social Science	1
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