



ODISHA UNIVERSITY OF TECHNOLOGY AND RESEARCH

Techno Campus, Mahalaxmi Vihar, Ghatikia, Bhubaneswar-751029.

No. 2619 /OUTR Dated 17/08/2023

Advertisement for Admission into Ph.D. Program 2023-24

Applications are invited from eligible candidates for admission to Ph.D. program at OUTR, Bhubaneswar for the session 2023-24 in the following disciplines and categories. Interested candidates may apply online, within the specified period, as per details given below.

1. School/ Department and Area of Specialization:

Sl.	School/ Department	Area of Specialization
1	School of Basic Sciences and Humanities	Physics: Condensed Matter Physics Chemistry: Organic Chemistry, Physical Chemistry, Computational Chemistry Mathematics: Operation Research, Probability, Statistics. English: Indian English Fiction, English Language Teaching.
2	School of Computer Sciences	CSE/ IT/ CSA: Distributed Systems, IoT, Machine Learning, Evolutionary Computing, Computer Graphics, Fractal, Analysis and Design of Algorithm, Parallel & Distributed System, Electronic Design Automation of Microfluidic Lab-on-a-Chips, Data Structures, Computer Security, Artificial Intelligence, Blockchain.
3	School of Electrical Sciences	Power and Control System, Power Electronics and Drives, Energy System.
4	School of Electronic Sciences	Analog Circuits, Signal Processing, Instrumentation Digital Signal Processing, Photonics, Communication Machine learning, IoT, Control Renewable Energy, VLSI.
5	School of Infrastructure and Planning	Civil Engineering: Water Resources Engineering.
6	School of Mechanical Sciences	Mechanical System Design, Robotics, Vibration, Composites, Thermal Engineering, Renewable Energy, Fuel, CFD, Production Engineering, Rapid Prototyping.
7	Department of Biotechnology	Computational Systems Biology, Cardiovascular Physiology, Cellular Biophysics and Metabolism, Application of AI/ML in Healthcare.
8	Department of Textile Engineering	Comfort properties of textiles, Sustainable textile process, Circular economy in textile value chain, Applied color science, Chemical processing, Nano-textiles, New fibers, IoT Applications, Technical textiles, Textile composites.

2. Program Details:

Sl.	Category	Eligibility Criteria	Document Required
1	Full Time Ph.D. (Regular)	Candidates having desirable educational qualification, and without any employment.	Undertaking in the prescribed form towards non-employment. (During Admission)
2	Full Time Ph.D. (Sponsored)	Candidates engaged as a Project Fellow in OUTR having desirable educational qualification	Undertaking in the prescribed form towards engagement as project fellow in OUTR
		OR	OR

		Regular employee of academic/ research organizations, external to OUTR, having desirable educational qualification and with a minimum of two years' job experience in the current organization after passing the qualifying degree.	NOC from the current employer with a sanctioned study leave for a minimum period of three years with full salary. (During Admission)
3	Part Time Ph.D. (Sponsored)	Candidates (Regular employee/ Project Fellow of academic/research organizations, external to OUTR), having desirable educational qualification and with a minimum of two years' job experience in the current organization after passing the qualifying degree.	NOC from the current employer in the prescribed form. (During Admission)
4	Part Time Ph.D. (Self-Sponsored)	Candidates (Regular employee of OUTR or who do not have any regular employment), having desirable educational qualification.	Undertaking in prescribed form towards self-sponsorship. (During Admission)
5	Executive Ph.D. (Sponsored)	Candidates (Regular employee of any organization other than academic/ research organizations), having desirable educational qualification and with a minimum of five years' job experience (after passing the Master's degree) or a minimum of ten years' job experience (after passing the Bachelor's degree) out of which at least two years' job experience in the current organization.	NOC from the current employer in the prescribed form. (During Admission)

3. Educational Qualification:

The minimum educational qualifications (Qualifying Degree) required for seeking admission to the Ph.D. Program under all Category in respect of different disciplines are given below. Preference will be given to candidates having qualified in UGC-NET (including JRF)/ UGC-CSIR NET (including JRF)/ SLET/ GPAT/ GATE/ Inspire fellow (DST, GoI)/ CAT/ NDF examinations.

- (i) **Qualifying Degree:** The requirement of the qualifying degree for admission into Ph.D. program under various Schools/ Department is as follows.
- The qualifying degree for admission into Ph.D. program in various Schools/ Departments in Engineering/ Technology is Masters' degree in Engineering/ Technology.
 - The qualifying degree for admission into Ph.D. program under Computer Science and Applications is MCA/ M.Sc. (Computer Science)/ Masters' degree in Computer Science Engineering/ Information Technology.
 - The qualifying degree for admission into Ph.D. program under School of Basic Sciences and Humanities is Master's degree in Physics/ Chemistry/ Mathematics/ English.
- (ii) Candidates belonging to SC/ ST/ Differently-abled category as notified by Government of Odisha from time to time shall possess a qualifying degree from an Institute/ University recognized by UGC/ AICTE/ Central Government, with a minimum CGPA of 6.0 out of 10 or 55% of aggregate marks in respective discipline, for admission into Ph.D. program under Full Time and Part Time category.

- (iii) All other Candidates shall possess a qualifying degree from an Institute/ University recognized by UGC/ AICTE/ Central Government, with a minimum CGPA of 6.5 out of 10 or 60% of aggregate marks in respective discipline, for admission into Ph.D. program under Full Time and Part Time category.
- (iv) Candidates applying for Executive Ph.D., with Bachelors' degree in Engineering/ Technology (B.E./ B.Tech.) from an Institute/ University recognized by UGC/ AICTE/ Central Government, shall possess a minimum CGPA of 6.5 out of 10 or 60% of aggregate marks in respective discipline, for admission into Ph.D. program under Executive Ph.D. category.

4. Mode of Selection:

- (i) Candidates are required to appear in the OUTR-Ph.D. Entrance Test (OUTR-PET) and pre-Ph.D. admission interview for consideration of admission into the Ph.D. program subject to fulfilment of other norms.
- (ii) Candidates qualified in the UGC-NET (including JRF)/UGC-CSIR NET (including JRF)/ Inspire fellow (Department of Science and Technology, GoI)/ SLET /GPAT/ GATE/ CAT/ NDF tests and having qualifying percentile scores in their respective validity periods, including the regular employees of OUTR are exempted from appearing the OUTR-PET. However, such candidates shall appear the Pre-Ph.D. admission interview.
- (iii) The selection criteria will be based on written test (OUTR-PET) of 70 marks consisting of subject specific multiple-choice type questions. Each question carries 01 (one) mark. The correct answer will fetch 01(one) mark and incorrect/unanswered question will fetch 0 (zero) mark. The duration of OUTR-PET shall be of 90 minutes and it shall be conducted at OUTR. Candidates who successfully qualify the OUTR-PET shall be called for appearing the Pre-Ph.D. admission interview, to be conducted in respective Schools/ Departments of OUTR. The schedule and mode of OUTR-PET and the Pre-Ph.D. admission interview will be notified in the website: www.outr.ac.in. The eligibility criteria, academic qualifications etc. will be governed as per the Ph.D. Regulations of OUTR.
- (iv) At present, no stipend is available at OUTR for Full Time (Regular) Ph.D. program. However, the candidates selected under Full Time (Regular) Ph.D. program may avail their fellowship/ stipend, if they get it from any funding agencies. Hostel accommodation will be provided as per availability.

5. Important Dates:

Closing Date of Applications	: 01.09.2023
Notification of List of eligible candidates to appear OUTR-PET	: 04.09.2023
Tentative Date of OUTR-PET	: 08.09.2023
Notification of List of successful candidates to appear interview	: 11.09.2023
Tentative Date of Pre-Ph.D. admission interview	: 16.09.2023
Notification of List of candidates selected for Ph.D. admission	: 18.09.2023
Date of Ph.D. Admission	: 21.09.2023

6. Application Process:

- (i) Interested and eligible candidates may send their details in the prescribed format by filling the online application form in the google link <https://tinyurl.com/OUTRPhD2023> on or before **01.09.2023**.
- (ii) The candidates have to deposit a non-refundable application fee of Rs.200/- (For SC/ ST/ Differently-abled category candidates) and Rs.500/- (All other candidates), through NEFT to account no. 80172200000462, Canara Bank, CET Campus Branch, Bhubaneswar (IFSC Code: CNRB0018017) and mention the transaction details in the application form.

- (iii) The candidates are required to upload the following documents in the application form:
- a) Payment slip
 - b) Certificates and Grade sheets / Mark sheets of the 10th/ Equivalent Examination.
 - c) Certificates and Grade sheets / Mark sheets of the +2/ Equivalent Examination.
 - d) Certificates and Grade sheets / Mark sheets of Bachelor's Degree.
 - e) Certificates and Grade sheets / Mark sheets of Master's Degree.
 - f) SC/ST caste certificate, if applicable.
 - g) Differently able certificate, if applicable.

The candidates are required to submit a set of self-attested certificates during viva-voce test and also produce the originals for verification.

Sd/-
Registrar

Copy to: Notice Board, All HOSs/ HODs/ Deans/ CoE/ CoF for information and necessary action.

Sd/-
Registrar