

Ph.D. Admission January 2014 session: Policy & Procedure

Eligibility

A student seeking an admission to Ph.D. Programme of the University is required to have minimum educational qualification as mentioned hereunder:

For research in an area of Engg./Technology

Based on the aggregate of all the semesters the minimum CPI of 6.5 or the minimum 60% marks either at B. Tech. or at M. Tech. /M.E. equivalent level, & M. Tech. /M.E. or its equivalent in appropriate area as recognized by AIU.

Based on the aggregate of all the semesters the Bachelor's Degree in Engineering/Technology or equivalent in an appropriate area as recognized by AIU with a minimum CPI of 6.5 or 60% of marks with more than 15 years of experience in an appropriate area

For research in an area of Sciences

Based on the aggregate of all the semesters the minimum CPI of 6.5 or the minimum 60% marks in M.Sc. or its equivalent in appropriate area as recognized by AIU.

For research in an area of Management

Based on the aggregate of all the semesters the minimum CPI of 6.5 or the minimum 60% marks either at a Bachelor degree or at M.B.A. / M. Tech. /M.E./A.C.A./A.I.C.W.A./A.C.S. level equivalent level, & M.B.A./ M. Tech. /M.E./A.C.A./A.I.C.W.A./A.C.S. or its equivalent in appropriate area as recognized by AIU.

For research in an area related to Liberal Studies (English Language & Literature, Public Administration and Public Policy, Economics, Psychology, Political Science, & International Relations)

M. A. with minimum 55% marks as aggregate of all the years or its equivalent in appropriate area as recognized by AIU.

Note: Each of the Master Degrees referred herein is to be on the basis of two year full time programme.

Research Areas:

School of Solar Energy: Thin films, Photo Voltaic, Materials for Solar Cell, High capacity Li ion battery and Super capacitors, Data validation of megawatt scale Solar PV power plant, DSSC

School of Technology:

Mechanical Engineering

Thermal Engineering

Renewable Energy: Biodiesel, Wind energy, Solar hybrid technology, Solar thermal applications

Thermal and Fluid Engineering: Water desalinization, refrigeration system, waste heat recovery, heat transfer, wall condensation, flow through porous media, multiphase transport phenomenon, turbo-machines, Thermal comfort, Sustainable manufacturing, Advance refrigeration system, tri-generation and combustion processes.

Design Engineering

Advanced optimization techniques, finite element analysis, condition monitoring, Experimental techniques Design, Innovation and Creativity

Manufacturing Engineering

Advanced welding processes and welding metallurgy.

Elect. Engg.: Power System Protection; Power electronics, Electrical machines, Image and Video Processing, Computer Vision, Embedded Systems, Electrical Power Systems, High Voltage Engineering, Power Quality

Civil Engg.: Geotechnical Engg, Earthquake Engineering, Soil-Structure interaction, Reinforced Earth, Environmental Geotechnics, Cost Effective Green Technology in construction, Project Management, Advanced Construction Technology, Water Resources and Hydraulics.

Chemical Engineering:

Biofuels, Polymer Composites and Blends, Energy and Environment (Green house gas mitigation)

Sciences: Solid State Physics, Crystal growth characterization, Material Science, Modelling and simulation of nano/subnano scale devices, Photovoltaics, DSSC solar cell, Computational Material Science, Chemistry, Isotope and environmental geochemistry, Materials Chemistry and Heterogeneous Catalysis, Organic synthesis, Environmental Science, Solid waste management, Thermal plasma pyrolysis and energy recovery , Waste water treatment, Drilling fluids, Environment and climate change, Atmospheric Science, Cloud micro physics.

Mathematics: Optimization, Data assimilation and Numerical Reservoir Simulation.

School of Petroleum Technology:

Petroleum Engg., Petroleum Refining, Enhanced Oil recovery, Earth Science, Geo Physics, Paleontology, Exploration Geology, PetroPhysics, Geothermal Energy, Shale gas, Petro Geo Sciences, Reservoir Engg., Hydrocarbon research & Exploration.

School of Petroleum Management: Management, Marketing, HRM & Organizational Behavior, Production & Operations, Finance & Accounting, MIS.

School of Liberal Studies: English Language & Literature, Public Policy & Public Administration, Economics, Psychology, Political Science, International Relations

Selection Procedure:

There will be a Research Aptitude Test (RAT) common for all the eligible candidates, followed by a Discipline wise proficiency-evaluation which may be in the form of oral &/or written test/s as to be determined by the concerned School for the research area in its purview.

The above referred selection procedure will be conducted on 26 Dec. 2013 starting with RAT in Block-C in the University campus from 9-30 a.m. to 11-30 a.m.. This will be followed by Discipline wise proficiency-evaluation on the same day from 1-30 noon onward.

While appearing for the selection procedure, the candidate is required to produce a set of the self-attested photocopies of all the relevant testimonials along with the originals. The candidates are required to ensure all fulfillments to the eligibility requirements before appearing at the selection procedure.

The list of the candidates selected for the admission will be announced on the website on 2 January 2014.

Application for the admission is to be made On Line through the University web site.

Fees for a single Application: Rs. 2000/-
Last Date for application: 19 Dec. 2013.

Semester Fees: Rs.45, 000/- per semester (except Hostel, Mess, Transportation & alike)

Other incidental fees shall be chargeable from time to time

The second semester fees shall be collected in installment of Rs.8000/- per month during the first semester from the fellowship given to the students if any by the University; and so forth for the fees of third semester onwards.

Library Deposit Rs.5000/-
Caution Money Deposit Rs.10, 000/-

Research fellowships for the Full Time candidates:

Research fellowships will be made available to the deserving students.

Up to first two years: Rs.25, 000/- per month

In the third year: Rs.30, 000/- per month

After third year, the Research fellowship may continue subject to the scrutiny by the Doctoral Committee, but not beyond the fourth year.

It shall be mandatory to perform the duties as Teaching Assistant for all the full time candidates availing the fellowship.

The candidates admitted to pursue Ph. D. on full time basis in the research areas of Sciences and areas under School of Liberal Studies may be granted the fellowships as mentioned above on merit basis provided they have a valid UGC NET/CSIR-UGC NET/SLET score at the time of the admission tests.

M. E. / M. Tech. qualified candidates admitted to pursue Ph. D. on full time basis in the research areas of Engg. & Technology may be granted the fellowships as mentioned above on merit basis.

M. Sc. (Tech.) in GeoScience (3 year full time programme) qualified candidates admitted to pursue Ph. D. on full time basis in the research areas of Engg. & Technology may be granted the fellowships as mentioned on merit basis.

The candidates admitted to pursue Ph. D. on full time basis in the research areas of Management may be granted the fellowships mentioned as mentioned above on merit basis provided they have valid CAT score with a minimum of 60 percentile at the time of the admission tests.

No other Financial Assistance/Aid will be given to the students.

The continuance of the Research fellowship shall be subjected to the academic review, discipline and punctuality of the candidate.

The above policy-procedure is subject to modification whenever found necessary by the University.

If a dispute arises regarding any of the above provision, the decision of the Director General of the University shall be final and binding to all.

Jurisdiction: The above referred Admission Procedure is subject to the jurisdiction of Hon'ble Court of Gujarat at Ahmedabad.

Email contact: phd@pdp.ac.in

CATEGORIES OF Ph.D. STUDENTS:

The University admits students for Ph. D. programme under the following categories:

REGULAR (FULL-TIME): This category refers to the candidates who work full time for their Ph.D. and may receive fellowship/assistantship from the University as per its policy or fellowship from CSIR/UGC or any other recognized funding agency or may be self financed.

SPONSORED STUDENTS (FULL-TIME): A candidate in the category is sponsored by a recognized R&D organization, national institute, academic institution, govt. organization or industry for doing research in PDPU on a full time basis. He is required to have at least two years of working experience in the respective field. He will not receive any financial support from the University. Sponsorship letter (Form-I) should be attached with the application.

Form I – Full Time SPONSORSHIP LETTER

(This is required to be on the letter head of the sponsoring organization)

Reference No:

Date:

To
The Director General
Pandit Deendayal Petroleum University
Raisan, Gandhinagar- 382007.

Sub: Sponsoring an Employee for Ph.D. Programme

Dear Sir,

We hereby sponsor the candidate

Mr./Ms.....

who is an employee in our organization on the position of _____,

for joining Ph.D. Programme in the research area of _____

at your University as a full-time student.

We shall relieve him/her from his/her duties in the organization during the first three years of
the Ph.D. Programme.

**Signature and Seal of the
Sponsoring Authority**