

Ph.D. Admission January 2015 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. Each of the Master Degrees referred therein is to be on the basis of two year full time programme.

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 as recognized by AIU in appropriate area.

OR

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 15years 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 as recognized by AIU in appropriate area.

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 at a Bachelor degree and also at M.B.A. / M. Tech. /M.E./A.C.A./A.I.C.W.A./A.C.S. level or its equivalent as recognized by AIU in appropriate area.

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 as recognized by AIU in appropriate area.

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, Solid state DSSC based on perovskite.

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 and Industrial Engineering

Advanced welding processes and welding metallurgy; surfacing and electrochemical machining; Surface Metrology & Digital Image Processing.

Project management: Theory & Practice; Modelling and Analysis of Industrial Engg. systems

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, Hydraulics and Environmental Engineering and Waste treatment and utilization for construction.

Chemical Engineering: Biofuels, Clean Energy and Environment: Carbon Capture and Sequestration; Regenerative chemical absorption; Solar conversion of CO₂, Catalytic/Electro catalytic conversion of CO₂ to liquid fuels. Solar adsorption cooling, Advanced waste water treatment, Membrane reactors, Ionic liquids, Modelling and simulation.

Sciences: Solid State Physics, Material Science, Chemistry, Environmental Science, Atmospheric Science, Computational material science, Geochemistry.

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 and Biofuel.

School of Petroleum Management:

Marketing, Production and Operations, Management, HRM and Organizational Behavior related to Health-Safety-Environment, and Information Systems in Management.

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 the prescribed date, starting with RAT. 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 all the relevant original testimonials in support of the application. The candidates are required to ensure all fulfillments to the eligibility requirements while applying for admission.

Fees for a single Application: Rs. 2000/- (Non Refundable)

Last Date for application: 30th October 2014

Semester Fees: Rs. 50, 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 few deserving students on merit basis.

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

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

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 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.

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.

PROJECT STAFF (PART-TIME): This category refers to the candidates who are working on sponsored projects in any School of the University and admitted to the Ph.D. programme. The duration of the project at the time of admission should be at least 2 years.

LOCALLY & PROFESSIONALLY EMPLOYED PERSONNEL (PART-TIME): This category refers to the candidates who are locally and professionally employed personnel. These candidates should be able to meet supervisor(s) regularly in the University for the guidance on their research work. The applicant must be a regular employee of a recognized R&D organization, national institute, academic institution, government organization or industry at the time of admission and be engaged in professional work in the discipline in

which admission is sought. No financial assistance will be provided by the University to such students. “No Objection” Certificate from the Head of the Institute/Organization in which he is employed (Form-II) must be enclosed at the time of application.

SPONSORED STUDENTS (EXTERNAL REGISTRATION) (PART TIME): This category refers to candidates employed in R&D organizations related to Science, Technology, & Engineering having adequate research facilities. The research work leading to the Ph.D. degree may be carried out largely in the parent organization of the candidate under a Local Supervisor from the organization but with the overall guidance and advice provided by a faculty member of the University (School Supervisor) under whom he is registered. The appointment of the Local Supervisor is to be reported to the Director General of the University through the Director of the concerned School of the University for final approval. Sponsorship certificate from the Head of the organization where the candidate is employed. (Form III) is required to be enclosed at the time of application. No financial assistance from the University will be provided to such students.

UNIVERSITY EMPLOYEES (PART-TIME): Full time employees (Regular/Contractual) of the University may be sponsored as part-time students by the Director General, on recommendation of the School-Director & the Dean of the concerned Faculty.

Important Dates:

Last date for receipt of the application form, at PDPU	30 th October 2014
Announcement of the candidates eligible for the selection procedure on the website	11 th November 2014
<u>Selection Procedure</u> RAT in, Block-C (SPT-1 building) from 10.00 a.m. to 12.00 p.m. Discipline wise proficiency-evaluation at 1.30 p.m. onward.	21 st November 2014
Announcement of the list of candidates offered the admission	2 nd December 2014
Last Date for Paying fees	9 th December 2014
Induction programme for admitted candidates	1 st January 2015
Commencement of the term	5 th January 2015

Contact Details:

Dr. Roshni Solanki

Assistant Registrar (Academics)

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Email: phd@pdp.ac.in

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**

Form II – No Objection Certificate for Part-Time Sponsored Students

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

Date:

To

The Director General

Pandit Deendayal Petroleum University

Raisan, Gandhinagar-382007

Sub: No Objection Certificate

Dear Sir,

We do not have any objection if Mr./Mrs/Ms.....an

Employee in our organization on the position of _____, is

admitted to the Ph.D. Programme in the research area of _____ at

your University as a part-time sponsored student.

We shall grant him/her leave of absence to attend the programme related activities at the University as and when required.

Signature and Seal of the

Sponsoring Authority

Form III – Sponsorship Certificate of External Registration

(This is to be addressed to the Director General, Pandit Deendayal Petroleum University, Raisan, Gandhinagar-382007 on the letter head of the sponsoring organization.)

Reference No.

Date :

1. Name & Address of the sponsoring organization:
2. Designation of the applicant:
3. Division/Section of the organization where the research work is proposed to carry out:
4. Name of the proposed Local (based at the organization) Supervisor:

(The proposed Local Supervisor needs to be recognized as PhD Supervisor upon applying to the University in the prescribed application form.)

6. Details of the relevant facilities which will be made available to the candidate:
7. Statement of Local Supervisor to the University:

If Mr./Mrs/Ms.....is admitted to the Ph.D. programme at your University I agree to supervise his/her research programme jointly with the Faculty-Supervisor of your University.

Signature of Local Supervisor

If Mr. /Mrs./Ms..... is admitted to the Ph.D. Programme of your University, we agree to relieve him/her to attend all kind of the work related to the programme in every semester at your University.

He/she will be permitted to carry out the research leading to the Ph.D. degree, at our place under the local supervision of Dr.who has been working in our organization on the position of. The necessary facilities will be provided for the purpose.

**Signature and Seal of the
Sponsoring Authority**