

ADMISSION TO PhD PROGRAMME: (2ND SEMESTER SESSION 2011-12)

1 ELIGIBILITY:

1.1 A candidate seeking admission to the degree of Doctor of Philosophy must have obtained ME/MTech/MPhil/MCA/MSc/MA/MBA or equivalent with minimum CGPA of 6.00 on a 10 point scale or 55% marks in aggregate where marks are awarded or NET qualified.

1.2 Candidates with BE/BTech degree or equivalent with excellent academic record (minimum CGPA of 9.00 on 10 point scale or 80% marks in aggregate) may be considered for direct admission.

Relaxation in CGPA to 7.00 on a 10-point scale or in marks to 65% for the minimum eligibility conditions may be permitted for candidates with a BE / BTech degree or equivalent who have a minimum of 3 years of professional and/or research experience in the area in which the admission is sought. However, candidates admitted with BE/BTech or equivalent qualification will be admitted for PhD after successful completion of eight Masters level courses as suggested by the PhD Admission Committee of concerned Department/School, within a period of two years from the date of admission. A minimum CGPA of 6.00 on a 10-point scale should be earned in the courses prescribed by the concerned Department/School.

1.3 Part-time studies leading to PhD degree are permitted for professionally employed personnel such as working engineers, scientists and teachers. Part-time studies leading to PhD shall also be permitted to persons working in Institutions with which a Memorandum of Understanding has been signed for research purposes. Such a candidate must be in employment at the time of admission and be engaged in professional work in the area to which admission is sought.

1.4 Candidates working beyond a radius of 200 km shall be required to work in the University for a minimum period of 6 months in not more than three spells.

1.5 Candidates shall be admitted on the basis of merit of entrance test to be conducted by the concerned Department/School, followed by interview. During interview, a candidate is required to present his/her area of proposed research. Relaxation for appearing in the entrance test may be given to those candidates who have done MPhil or have qualified UGC/ CSIR(JRF)/ SLET/ GATE by the Admission

Note:

- (i) **Part-time candidates are required to submit the “No Objection Certificate” from their parent organization/department/employer stating that the candidate is permitted to pursue studies on a part-time basis and that the candidate’s official duties permit her/him to devote sufficient time for research.**

- 1.6 Applications for admission will be considered by the Admission Committee of the concerned Department/School.
- 1.7 The number of PhD admissions to be made by each Department/School shall be notified at the start of admission process. All efforts shall be made to maintain 25% SC/ST and 3% physically handicapped category students.
- 1.8 The supervisor(s) shall be allocated to every admitted candidate at the time of interview.

Registration

- 2.1 Every admitted candidate shall have to do course work for a minimum of one semester. The course work shall include at least three courses, namely, a course on research methodology (may include quantitative methods and computer Applications) or a course proposed by the Admission Committee (for those who have studied a similar course on Research Methodology at PG level), a professional course (syllabus to be proposed by the allocated supervisor and approved by Chairman, Admission Committee) and a seminar (Relevant in the area of research). Minimum credits for the course work shall be 11 including a seminar of 4 credits. The process of registration in the course work, examination, evaluation and grading shall be same as followed for UG/PG programmes.

Only those candidates who successfully complete the course work within one year of admission and with a minimum CGPA of 6.00 on 10.00 point scale shall be registered in the PhD programme.

Every candidate will be required to submit research proposal within 6 months, duly recommended by the Supervisor(s), after successful completion of the course work. Research proposal will be submitted to the concerned Head of the Department/School. In case of non-submission of proposal within the prescribed period, DoRSP on the recommendations of the supervisor and Head of the Department/School may grant an extension for a maximum period of six months. If the candidate fails to submit the proposal even during the extended period her/his admission will be cancelled. In case the proposal is rejected by the URB, he may resubmit it within next six months starting the date of meeting of URB failing which her/his admission will be cancelled.

3 GENERAL INSTRUCTIONS

The application form along with attested copies of certificates must be submitted to the Registrar on or before **Dec. 07, 2011** for the even semester. Application forms received after the prescribed date will not be entertained under any circumstances. No correspondence/enquiry from such candidates shall be entertained.

As per instructions received from the UGC, the admission to PhD Programme for the session 2011-12 will be made on the basis of Entrance Examination conducted by the University at 11:00 AM followed by Interview at 3.00 PM on **16-12-2011** in the respective Deptt. /School the University. The syllabus for the Entrance Exam shall be the same as of qualifying degree. After qualifying in the Entrance Exam and Interview, you are required to attend course work of one semester by attending classes. The Entrance Examination will be of 1 hour duration having 50 objective type multiple choice questions.

The criteria for award of marks will be considered as under.

Entrance Test	50 Marks
Interview	50 Marks
Total Marks	100 Marks

The cut off limit for qualifying the exam shall be 20% in the aggregate of Entrance Test & Interview.

The Roll Numbers of the candidates will be displayed on our website by 12-12-2011 and also intimated to the candidates through their email / SMS. No separate information or roll numbers will be sent by post. Candidates are required to bring with them any identification proof (License/ ID Card/ Voter ID Card/ Passport/ Pan Card) for entry in the examination centre.

The entrance test shall be conducted at Thapar University, Patiala only.

No separate intimation will be sent in this regard. Application form must accompany:

- (i) Attested copies of the certificates of the examinations passed.
- (ii) One passport size photograph pasted on the application form in the space provided for the purpose.

4 **VACANCY STATEMENT IN PHD PROGRAMME FOR EVEN SEMESTER TO BE HELD
ON DECEMBER 2011 GIVEN AS UNDER:**

As on 24.10.2011

S.No.	DEPARTMENT	Seats available under Specializations	TOTAL VACANT SEATS
1	School of Management and Social Sciences	Cognitive & Experimental Psychology	2
2	Mechanical Engineering		
		Machine Design	01
		Technology Management, Materials	02
		Thermal/Fluid Mechanics	01
		Thermal	01
3	Computer Science and Engineering	Soft Computing, Computer Net Working	03
		Interconnection Networks	03
4	Electrical and Instrumentation Engg	Inst. & Control System	02
		Image Processing Biometrics	03
5	School of Physics and Materials Science	Soft Condensed Matter Physics	01
		Nanomaterials	02
		Nano Materials/ Metallurgy	01
		Condensed Matter Physics (Experimental)	02
		Nuclear Physics	01
		Condensed Matter Physics (Experimental)	01
		Experimental Condensed Matter Physics	02
		Particle Physics	01
		Magnetic Materials	01
		Nanomedicine	01
		Experimental Condensed Matter Physics	02
		Non Linear Optics	02
6	School of Mathematics and Computer Applications		
		Software Engg./ Cloud Computing	02
		Number Theory	01
		Fourier Series	01
		Numerical Analysis	01

7	School of Chemistry & Biochemistry		
		Catalysis, Environmental Chemistry	01
		Biophysical Chemistry	02
		Synthetic Organic Chemistry, Medicinal Chemistry	01
		Synthetic Org. and Medicinal Chemistry	01
8	Civil Engineering		
		Hydraulic Engineering	07
		Structural Engineering	04
		Structural Materials	02
		Soil Mechanics	01
		Concrete Materials structures, Corrosion	02
		Hydraulics/ River Engineering	01
9	Chemical Engineering		
		Heat Transfer and Fluid flow, Nano fluids, Micro channels, Cross flow compact heat exchangers, Energy management, Thermal Engineering	01
		Polymer	01
		Polymer, Environment	04
		Catalysis	04
		Environment	01
10	Electronics & Communication Engineering		
		Fiber Optic Communication/ Optical Network	04
		VLSI Design	02
		Integrated Photonics, Optoelectronics, Nano-Photonics	04

5 IMPORTANT INSTRUCTIONS:

- The application form shall be filled Online at www.thapar.edu. After filling the form, attach Demand Draft of ₹2500/- (in favour of Thapar University payable at Patiala) with the print out of the application form. The application form shall be available shortly on www.thapar.edu.
- The complete application must reach the admission cell on or before the last date.
- The complete form alongwith DD must be sent at following address:
Incharge Admission Cell
Academic Section
Thapar University
Patiala-147004
Punjab (India)
- For any assistance, candidates can contact admission cell or call at 0175-2393752, 2393324 or email at info@thapar.edu.