



# THAPAR UNIVERSITY

(Declared under section 3 of UGC Act, 1956 vide notification # F.9-12/84-U.3 of GOI)

PATIALA-147004, PUNJAB [http:// www.thapar.edu](http://www.thapar.edu)

## FACULTY OPENINGS: Information & Instruction Sheet

**Applications received up to April 21, 2015 shall be considered for this round of selection**

Applications are invited from well qualified candidates for faculty positions at the level of Professor/Associate Professor/Assistant Professor/Lecturer (Contractual) in the areas / specializations mentioned below.

**DEPARTMENTS:** Biotechnology, Chemical Engineering, Civil Engineering, Computer Science & Engineering, Electrical & Instrumentation Engineering, Electronics & Communication Engineering and Mechanical Engineering

**SCHOOLS:** Chemistry & Bio-Chemistry, Humanities & Social Sciences, Mathematics & Computer Applications, Physics & Material Science, Energy & Environment

### A. SPECIALIZATION OF FACULTY

Departments/Schools	Specialization / sub-areas / disciplines
Computer Science & Engineering Department	Machine Learning, Gaming and Animation, Networks and Information Security, Theory of Computation, Information systems, Software Engineering, High Performance Computing, Data Structure and Algorithms, Big Data Analytics
Electrical & Instrumentation Engineering Department	Power Electronics & Drives, Power System Optimization, Renewable Energy System Restructuring and Deregulation, Power Quality and FACTS, High Voltage Engineering, Embedded Systems, Process Control, Industrial Automation, Cognition
Mechanical Engineering Department	Machine Design, CAD, CAM, Mechatronics, Heat Transfer, CFD, Automotive Engineering
Electronics & Communication Engineering Department	Embedded Systems, Signal Processing, Wireless Communication, Programming Skills, Optical Communication, VLSI Design and Technology, Semiconductor and RF Devices, Video & Image processing and Antenna Design
Civil Engineering Department	Structural Engineering, Geotechnical, Remote Sensing and Construction Management
Biotechnology Department	Biochemical/Bioprocess Engineering, Food Technology/Food Processing/Food Science/Food Engineering
Chemical Engineering Department	Environment, Modeling and Simulation, Molecular Modeling and Simulation, CFD, Polymers, Bioprocess, Reaction Engineering, Catalysis, Process Control, Heat Transfer, Separation Processes
School of Humanities & Social Sciences	General Economics, Industrial Economics, Finance, Quantitative analysis, Clinical Psychology, Counseling Psychology, General Psychology, Communication skills, English Literature, Mass communication
School of Physics & Materials Science	Metallurgical and Materials Engineering, Theoretical/Computational Physics
School of Chemistry & Biochemistry	Physical chemistry, Inorganic chemistry, Organic chemistry and Biochemistry

School of Mathematics & Computer Applications	Natural Language Processing (NLP), Software Engineering, Graph Theory, Theory of Computation, Cloud Computing, Image Processing, Soft Computing, Information Security, Computer Graphics, Algorithms, Networking, Applied Mathematics, Pure Mathematics and Statistics
School of Energy & Environment	Storm water Drainage system, Water Resources Engineering, Power systems, Thermal Engineering, Energy Engineering, Energy Technologies and Management

## **B. ESSENTIAL QUALIFICATIONS and EXPERIENCE**

<b>PROFESSOR</b> Minimum Basic: 53000*, GP: 11000 Total Salary: Rs. 20,26,075/- per year	<ul style="list-style-type: none"><li>• Ph.D. with First class in the preceding degree and a good academic record throughout</li><li>• 10 years post-Ph.D. teaching/research/industrial experience of which at least 5 years as Associate Professor or equivalent</li></ul>
<b>ASSOCIATE PROFESSOR</b> Minimum Basic: 45500*, GP: 10000 Total Salary: Rs. 17,38,398/- per year	<ul style="list-style-type: none"><li>• Ph.D. with First class in the preceding degree and a good academic record throughout</li><li>• 6 years post-Ph.D. teaching/research/industrial experience of which at least 5 years as Assistant Professor or equivalent</li></ul>
<b>ASSISTANT PROFESSOR</b> Minimum Basic: 30000*, GP: 8500 Total Salary: Rs. 12,29,045/- per year	<ul style="list-style-type: none"><li>• Ph.D. with First class in the preceding degree and a good academic record throughout</li><li>• 1-year Post-Ph.D. teaching/research/industrial experience</li></ul>
<b>ASSISTANT PROFESSOR</b> Basic: 26000*, GP: 8000 Total Salary: Rs. 10,98,451/- per year Basic: 22000*, GP: 7000 Total Salary: Rs. 9,53,347/- per year	<ul style="list-style-type: none"><li>• Ph.D. with First class in the preceding degree and a good academic record throughout</li></ul>
<b>LECTURER (CONTRACTUAL)</b> Consolidated Rs. 40000/-* per month.	<ul style="list-style-type: none"><li>• Masters degree with first class at both UG &amp; PG level, preferably pursuing PhD in Engineering and Ph.D. for all other subjects</li><li>• Lecturer (Contractual) is not a regular position and is generally offered for 1-3 years.</li><li>• <b><i>Lecturer (Contractual) will be considered only in Engineering Departments</i></b></li></ul>

*\*Higher salary may be considered for exceptionally bright candidates.*

### C. RESEARCH PARAMETERS

<b>Position</b>	<b>Publications / PhD Guidance / Patents / Sponsored Research</b>
Professor	<ul style="list-style-type: none"><li>• At least 20 publications (of which 10 are in SCI/SCIE/SSCI Journals having impact factor 0.5 or more) OR Total Impact Factor (TIF) of 20</li><li>• Guided at least two PhD students OR 1 patent</li><li>• At least two sponsored R&amp;D projects each of value Rs. 5 lakhs or more as PI/Co-PI OR in-house two industrial projects of Rs. 5 lakhs or more</li></ul>
Associate Professor	<ul style="list-style-type: none"><li>• At least 10 publications (of which 5 are in SCI/SCIE/SSCI Journals having Impact Factor OR Total Impact Factor (TIF) of 8</li><li>• At least one sponsored R&amp;D projects each of value Rs. 5 lakhs or more as PI or Co-PI OR in-house one industrial projects of Rs. 5 lakhs or more</li></ul>
Assistant Professor (8.5 K GP)	<ul style="list-style-type: none"><li>• At least 6 publications (of which 3 are in SCI/SCIE/SSCI journals) OR Total Impact Factor (TIF) of 5</li></ul>
Assistant Professor (7/8 K GP)	<ul style="list-style-type: none"><li>• At least 2 publications in SCI/SCIE/SSCI journals</li></ul>

Approximately 30-50% of the research parameters should be achieved in last 5 years.

## **D. MONETARY ADVANTAGES @ TU**

**The Total Salary at TU includes** Basic Pay, Grade Pay, Dearness Allowance, PF Management Share, Transportation Allowance, Medical Allowance, Communication Allowance, Academic Allowance, HRA, and Professional Development Allowance (PDA). These allowances are as per TU norms.

*Professional Developments Allowance (PDA):* This allowance is given to regular faculty members of the rank of Assistant Professor and above. *This allowances is given on yearly basis and faculty members can accumulate this allowance up to 3 years. As of now, this allowance is:*

- *Rs. 0.75 lakh for Professors and above; Rs. 0.40 lakh for Associate Professors and Rs. 0.30 for lakh Assistant Professors*

**In addition to the Total Salary, TU offers the following to its regular employees:**

- *Reservation in admission for the wards of the employees on merit basis. Full fee waiver for one child for education in TU and full fee waiver for 2nd child on merit basis*
- Gratuity and Leave Encashment
- L.T.C., and Group Medical Insurance
- Children Education Allowance

**In addition to above, regular faculty members are entitled to the following as per TU rules:**

- Annual performance incentive scheme
- Initial Research Grant up to 5 lakhs
- Participation in Conferences abroad
- Laptop Computer.

## **E. HOW TO APPLY**

The application form can be downloaded from [www.thapar.edu](http://www.thapar.edu). Candidates possessing the requisite qualification and experience may submit their application in the prescribed form to:

The Registrar,  
Thapar University,  
Patiala - 147004 (Punjab) INDIA.

Candidates may also send their application by *e-mail* as a SINGLE FILE (application form and all the annexures) in .pdf format to the *e-mail* address: [recruitment@thapar.edu](mailto:recruitment@thapar.edu).

**APPLICATIONS MUST BE MADE IN THE PRESCRIBED FORMAT. Candidates MUST provide all the details in the same format as given in the APPLICATION FORM. Applications that are not in the prescribed format may not be considered.**

**Applications received up to April 21, 2015 would be considered for this round of selection**

This, however, is a rolling advertisement. You may contact Personal Section @ 0175 - 2393024, 2393849; or Professor R.K. Sharma, Dean of Faculty Affairs, Thapar University @ 0175 - 2393010, 2393532, for more information.

### **NOTE:**

- Applicants desiring to apply for more than one Department/School should send separate applications for each Department/School.
- The University reserves the right to screen and call only such candidates as are found prima-facie suitable for being considered by the Selection Committee. Thus, mere fulfilling the prescribed conditions would not entitle one to be called for interview.
- The University reserves the right to fill or not to fill any or all the posts advertised.
- The University at its discretion may relax the minimum requirements in case of outstanding candidates.
- Any wrong information shall straightway lead to disqualification.
- No correspondence will be entertained from candidates regarding postal delays, conduct & result of interview and reasons for not being called for interview.

**REGISTRAR**