

**THAPAR INSTITUTE OF ENGINEERING AND TECHNOLOGY**  
(Deemed to be University)

Dated: March 28, 2019

## NOTICE

The following computer based courses shall be offered as **optional** courses to all students of Non CSE streams admitted in session 2018-19. These courses will run w.e.f July 2019. The courses shall be offered preferably during the evening hours of the regular working days or over the weekends. The students who will complete five courses as per the following table would be given a certificate of “**Minor in CSE**”, upon completion.

		L	T	P	Cr.
<b>Third Semester</b>					
UCS520	COMPUTER NETWORKS	3	0	2	4.0
UCS303	OPERATING SYSTEMS	3	0	2	4.0
<b>Fourth Semester</b>					
UCS310	DATABASE MANAGEMENT SYSTEMS	3	0	2	4.0
UCS406	DATA STRUCTURES & ALGORITHMS (4 SELF EFFORT HOURS)	3	0	2	6.0
<b>Fifth Semester (ANYONE COURSE)</b>					
UCS616	ADVANCED DATA STRUCTURES AND ALGORITHMS	3	0	2	4.0
UCS521	ARTIFICIAL INTELLIGENCE	3	1	0	3.5
UCS503	SOFTWARE ENGINEERING	3	0	2	4.0
UML501	MACHINE LEARNING	3	0	2	4.0

An amount of Rs. 10,000/- per course would be charged additionally to the students under the Minor Courses Module scheme, except for those courses which shall be offered in the regular curriculum.

**Application form is available on the Examination link of the Institute Website or in the Academic Section. Interested students need to submit the form along with the requisite fee in the Academic Section on or before 10<sup>th</sup> May, 2019.**

SD/-

(S. S. Bhatia)

Dean Academics Affairs

Submit this form duly filled in Academic Section on or before \_\_\_\_\_. Fee Rs.10,000/- per subject

**THAPAR INSTITUTE OF ENGINEERING & TECHNOLOGY: PATIALA**  
(Deemed University)

**APPLICATION FORM FOR MINOR IN CSE**  
(For Non-CSE Disciplines)

**Part A: To be filled up by the student**

1. Name: \_\_\_\_\_
2. Regn /Roll Number: \_\_\_\_\_
3. Program and Branch: \_\_\_\_\_
4. C.G.P.A. \_\_\_\_\_
5. Mobile No.: \_\_\_\_\_
6. Details of fee paid: Rs. \_\_\_\_\_ Receipt No. \_\_\_\_\_ Date \_\_\_\_\_

7. Course/s opted:

S.No.	Course No.	Course Title

**Signature of the student**

**Date:** \_\_\_\_\_

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**Part B (For office use)**

**Verified**

The student has opted for minor in CSE and paid the requisite fee.

**Approved**

**D.O.A.A.**