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# Revised Curriculum of M.Tech. in Information Technology

## (From Autumn 2019)

### Eligibility for M.Tech (IT):

B.E. /B.Tech./AMIE/AMIETE in CSE/IT/ECE/allied subjects or MCA or its equivalent or M.Sc. in Computer Science/IT/Electronics/Mathematics/Statistics with a minimum of 55% marks in aggregate. Candidates selected under GATE must possess a valid GATE score in CS.

## Course Structure


### **Time Duration:**


Minimum duration: 2 years (4 semesters)

Maximum duration: 4 years (8 semesters)

### **Credit Requirements (Revised):**


i.	Minimum Credit requirement	: 68
ii.	Core Courses	: 19
iii.	Electives	: 18
iv.	Term Projects	: 24
v.	Seminar	: 02
vi.	Open Electives	: 06

  
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## COURSE STRUCTURE (Revised)

Course Code	Title	Credit Structure L-T-P			Total Credit
<b>1<sup>st</sup> Semester</b>					
CS 531	Object Oriented Programming & Design	3	1	1	5
CS 601	Design Analysis of Algorithms	3	0	0	3
CS 634	Selected Topics in Computer Networks	3	0	1	4
<b>CS 543</b>	<b>Advanced Programming Lab I</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>
	Elective 1				3
	Open Elective 1				3
<b>Total Credit</b>					<b>21</b>
<b>2<sup>nd</sup> Semester</b>					
IT 610	Advanced Database System	3	0	1	4
	Elective 2	3	0	1	3
	Elective 3	3	0	1	3
	Elective 4	3	0	1	3
<b>CS 545</b>	<b>Seminar</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>2</b>
	Open Elective 2				3
<b>Total Credit</b>					<b>18</b>
<b>3<sup>rd</sup> Semester</b>					
IT 604	Term Project I	0	0	8	8
	Elective 5				3
	Elective 6				3
<b>Total Credit</b>					<b>14</b>
<b>4<sup>th</sup> Semester</b>					
IT 605	Term Project II	0	0	0	16
<b>Total Credit</b>					<b>16</b>

  
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