



**ADAMAS UNIVERSITY**  
**SCHOOL**  
**OF**  
**ENGINEERING AND TECHNOLOGY**  
**DEPARTMENT**  
**OF**  
**COMPUTER SCIENCE AND ENGINEERING**  
**Course Structure**  
**For**  
**M.Tech in Computer Science and Engineering**

**W.e.f. AY 2020-21**

**SoET 2.0**  
**(Engineering +)**

**ADAMAS UNIVERSITY**  
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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**  
**PG PROGRAM: M.Tech (Computer Science and Engineering)**

**SEMESTER I**

Sl. No	Type of Course	Course Code	Course Title	L	T	P	Contact Hrs./Wk.	Credits
1	Theory	CSE21801	Foundation of Computing Science	3	1	0	4	4
2	Theory	CSE21802	Advanced Algorithms	3	1	0	4	4
3	Theory		Elective -I	3	0	0	3	3
4	Theory		Elective -II	3	0	0	3	3
5	Seminar	CSE25805	Seminar -I	0	2	0	2	2
6	Practical	CSE22806	Computing Lab -I	0	0	3	3	2
<b>Total</b>				<b>12</b>	<b>4</b>	<b>3</b>	<b>19</b>	<b>18</b>

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**SEMESTER II**

Sl. No	Type of Course	Course Code	Course Title	L	T	P	Contact Hrs./Wk.	Credits
1	Theory	CSE21811	Parallel & Distributed Computing	3	1	0	4	4
2	Theory		Elective -III	3	0	0	3	3
3	Theory		Elective -IV	3	0	0	3	3
4	Theory		Elective -V	3	0	0	3	3
5	Theory		Elective -VI	3	0	0	3	3
6	Seminar	CSE25823	Seminar -II	0	2	0	2	2
7	Practical	CSE22824	Computing Lab -II	0	0	3	3	2
<b>Total</b>				<b>15</b>	<b>3</b>	<b>3</b>	<b>21</b>	<b>20</b>

**Total Credits (First Year): 38**

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**SEMESTER III**

Sl. No	Type of Course	Course Code	Course Title	L	T	P	Contact Hrs./Wk.	Credits
1	Theory		Elective -VII	3	0	0	3	3
2	Seminar	CSE25828	Technical Report Writing & Seminar – I	0	0	6	6	4
3	Project	CSE25829	Thesis (Part – I)	0	0	24	24	16
<b>Total</b>				<b>3</b>	<b>0</b>	<b>30</b>	<b>33</b>	<b>23</b>

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**SEMESTER IV**

Sl. No	Type of Course	Course Code	Course Title	L	T	P	Contact Hrs./Wk.	Credits
1	Seminar	CSE25830	Technical Report Writing & Seminar - II	0	0	6	6	4
2	Project	CSE25831	Thesis (Part – II)	0	0	27	27	18
3	Viva	CSE25832	Comprehensive Viva					4
<b>Total</b>				<b>0</b>	<b>0</b>	<b>33</b>	<b>33</b>	<b>26</b>

**Total Credits (Second Year): 49**

**Total Credits (Over Two Years): 87**

### **List of Elective Papers:**

#### **Elective – I:**

<b>CSE21807</b>	<b>Pattern Recognition</b>
<b>CSE21808</b>	<b>Artificial Intelligence</b>
<b>CSE21809</b>	<b>Logic Programming</b>
<b>CSE21803</b>	<b>Soft Computing</b>

#### **Elective – II:**

<b>CSE21810</b>	<b>Image and Video Processing</b>
<b>CSE21804</b>	<b>Advanced Graph Theory</b>
<b>ECE21331</b>	<b>VLSI Design</b>
<b>ECE21332</b>	<b>Mobile Computing</b>

#### **Elective – III:**

<b>CSE21812</b>	<b>Advanced Database System</b>
<b>CSE21813</b>	<b>Cloud Computing</b>
<b>CSE21814</b>	<b>Neural Network and Deep Learning</b>
<b>CSE21815</b>	<b>Advances in Compiler Design</b>

#### **Elective – IV:**

<b>CSE21816</b>	<b>Machine Learning</b>
<b>CSE21817</b>	<b>Information Retrieval</b>
<b>CSE21818</b>	<b>Computational Complexity</b>

#### **Elective – V:**

<b>CSE21819</b>	<b>Formal Systems</b>
<b>CSE21820</b>	<b>Principles of Programming Languages</b>
<b>CSE21821</b>	<b>High Performance Computer Architecture</b>

#### **Elective – VI:**

<b>CSE21822</b>	<b>Natural Language Processing</b>
<b>EEC21345</b>	<b>Internet of Things</b>
<b>MKT21401</b>	<b>E-Commerce</b>

#### **Elective – VII:**

<b>CSE21825</b>	<b>Cryptography &amp; Cryptosystems</b>
<b>CSE21826</b>	<b>Information Security</b>
<b>CSE21827</b>	<b>Cyber Security</b>

