

**ALAGAPPA UNIVERSITY, KARAIKUDI**  
**NEW SYLLABUS UNDER CBCS PATTERN (w.e.f. 2017-18)**

**M.Sc., INFORMATION TECHNOLOGY – PROGRAMME STRUCTURE**

Sem.	Course		Cr.	Hrs./ Week	Marks		Total	
	Subject code	Name			Int.	Ext.		
I	7MIT1C1	Core – I – Computer Architecture	4	5	25	75	100	
	7MIT1C2	Core – II – Data Structures and Algorithms	4	5	25	75	100	
	7MIT1C3	Core – III – Advanced JAVA Programming	4	5	25	75	100	
	7MIT1C4	Core -IV- Professional competency and communicative skills	4	5	25	75	100	
	7MIT1P1	Core – V – Advanced Java Programming Lab	4	5	40	60	100	
			<b>Elective – I</b>	4	5	25	75	100
	<b>Total</b>		<b>24</b>	<b>30</b>	--	--	<b>600</b>	
II	7MIT2C1	Core – VI – Information and Network Security	4	5	25	75	100	
	7MIT2C2	Core – VII – Relational Database Management System (RDBMS)	4	5	25	75	100	
	7MIT2C3	Core – VIII – Data Mining and Warehousing	4	5	25	75	100	
	7MIT2P1	Core – IX – RDBMS Lab	4	5	40	60	100	
			<b>Elective – II</b>	4	5	25	75	100
			<b>Elective – III</b>	4	5	25	75	100
	<b>Total</b>		<b>24</b>	<b>30</b>	--	--	<b>600</b>	
III	7MIT3C1	Core – X – Compiler Design	4	5	25	75	100	
	7MIT3C2	Core – XI – Software Project Management	4	5	25	75	100	
	7MIT3C3	Core – XII – Cloud Computing	4	5	25	75	100	
	7MIT3P1	Core – XIII – .Net Technology Lab	4	5	40	60	100	
			<b>Elective – IV</b>	4	5	25	75	100
			<b>Elective – V</b>	4	5	25	75	100
	<b>Total</b>		<b>24</b>	<b>30</b>	--	--	<b>600</b>	
IV	7MIT4PR	Core – XIV – Project Work	18	30	50	150	200	
	<b>Total</b>		<b>18</b>	<b>30</b>	--	--	<b>200</b>	
	<b>Grand Total</b>		<b>90</b>	<b>120</b>	--	--	<b>2000</b>	

**Elective – I**

- |                               |   |         |
|-------------------------------|---|---------|
| 1. Discrete Mathematics       | – | 7MIT1E1 |
| 2. Probability and Statistics | – | 7MIT1E2 |

3. Resource Management Techniques – 7MIT1E3

**Elective – II**

- 1. Wireless Communications – 7MIT2E1
- 2. WAP and XML – 7MIT2E2
- 3. Open Source Technology – 7MIT2E3

**Elective – III**

- 1. Grid Computing – 7MIT2E4
- 2. Web Technology – 7MIT2E5
- 3. Internet of Things – 7MIT2E6

**Elective – IV**

- 1. Multimedia and its Applications – 7MIT3E1
- 2. .Net Technology – 7MIT3E2
- 3. Big Data Analytics – 7MIT3E3

**Elective – V**

- 1. Principles of E-Commerce – 7MIT3E4
- 2. Soft Computing – 7MIT3E5
- 3. Android and App Development – 7MIT3E6

**Project Work**

Project Evaluation : 150 Marks (50 + 100)  
Viva – voce : 50 Marks