



**DEPARTMENT OF COMPUTER SCIENCE  
KAKATIYA UNIVERSITY, WARANGAL  
MCA (2-Year) COURSE STRUCTURE UNDER CBCS  
WITH EFFECT FROM 2020-21**

**MCA I YEAR I SEMESTER:**

Paper No	Paper Title / Subject	Workload Per week (Theory : Lab)	M A R K S			Credits
			Internal	External	Total	
MCA111	C and Data Structures	T ( 4 )	20	80	100	4
MCA112	Operating Systems	T ( 4 )	20	80	100	4
MCA113	Java Programming	T ( 4 )	20	80	100	4
MCA114	Computer Networks	T ( 4 )	20	80	100	4
MCA115	Probability and Statistical Methods	T ( 4 )	20	80	100	4
MCA116	C and Data Structures Lab	L ( 4 )	--	50	50	2
MCA117	Operating Systems Lab	L ( 4 )	--	50	50	2
MCA118	Java Programming Lab	L ( 4 )	--	50	50	2
<b>Grand total (Marks and Credits)</b>					<b>650</b>	<b>26</b>



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**MCA I YEAR II SEMESTER:**

Paper No	Paper Title / Subject	Workload Per week (Theory : Lab)	M A R K S			Credits
			Internal	External	Total	
MCA121	Python Programming	T ( 4 )	20	80	100	4
MCA122	Database Management Systems	T ( 4 )	20	80	100	4
MCA123	Software Engineering	T ( 4 )	20	80	100	4
MCA124	Cryptography and Network Security	T ( 4 )	20	80	100	4
MCA125	Principles and Practice of Management	T ( 4 )	20	80	100	4
MCA126	Python Programming lab	L ( 4 )	--	50	50	2
MCA127	DBMS Lab	L ( 4 )	--	50	50	2
MCA128	Software Engineering Lab	L ( 4 )	--	50	50	2
<b>Grand total (marks and credits)</b>					<b>650</b>	<b>26</b>