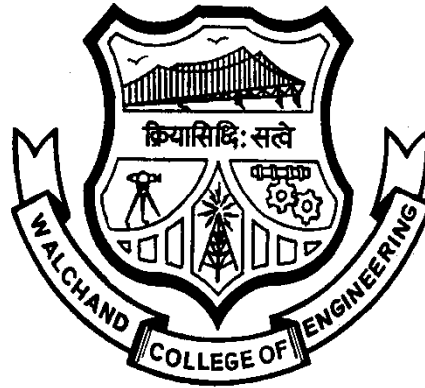


Walchand College of Engineering, Sangli

(An Autonomous Institute)



Curriculum (Structures)

for

M.Tech. Programme in

Computer Science and Engineering (IT)

Academic Year 2016-17



Walchand College of Engineering, Sangli
(An Autonomous Institute)

Teaching and Evaluation Scheme Effective from 2016-17
M.Tech. Program in Computer Science and Engineering (IT)
Semester I

Course Code	Course	Teaching Scheme				Evaluation Scheme			
		L	T	P	Credits	Component	Marks		
							Max	Min for Passing	
2IC501 (2IC601)	Research Methodology	2	-	-	2	ISE 1	10	20	40
						MSE	30		
						ISE 2	10		
						ESE	50		
2IE5** (2IT6**)	Institute Elective - I	3	-	-	3	ISE 1	10	20	40
						MSE	30		
						ISE 2	10		
						ESE	50		
2IT5** (2IT6**)	Professional Elective - I	3	1	-	4	ISE 1	10	20	40
						MSE	30		
						ISE 2	10		
						ESE	50		
2IT501 (2IT601)	Network Programming	3	-	-	3	ISE 1	10	20	40
						MSE	30		
						ISE 2	10		
						ESE	50		
(2IT502) (2IT605)	Computability Theory	3	1	-	4	ISE 1	10	20	40
						MSE	30		
						ISE 2	10		
						ESE	50		
2IT551 (2IT651)	Network Programming Lab	-	-	2	1	ISE	50	20	
						ESE (POE)	50	20	
2IT552 (2IT652)	Special Topics in Software Design	2	-	2	3	ISE	50	20	
						ESE (POE)	50	20	
2IT541 (2IT641)	Seminar	-	-	2	1	ISE	100	40	
Total		16	2	6	21	Total Credits: 21 Total Contact Hours: 24 hrs			

Elective	Course Code	Course
Professional Elective	2IT511 (2IT603)	Web Service Architecture
	2IT512 (2IT604)	Bio Informatics

Note: Course code in the bracket indicates pre-revised code



Walchand College of Engineering, Sangli
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Teaching and Evaluation Scheme Effective from 2016-17
M.Tech. Program in Computer Science and Engineering (IT)
Semester II

Course Code	Course	Teaching Scheme				Evaluation Scheme			
		L	T	P	Credits	Component	Marks		
							Max	Min for Passing	
2IC502 (2IC602)	Project Management	2	-	-	2	ISE 1	10	20	40
						MSE	30		
						ISE 2	10		
						ESE	50		
2IE5** (2IT6**)	Institute Elective - II	3	-	-	3	ISE-I	10	20	40
						MSE	30		
						ISE 2	10		
						ESE	50		
2IT5** (2IT6**)	Professional Elective - II	3	1	-	4	ISE 1	10	20	40
						MSE	30		
						ISE 2	10		
						ESE	50		
2IT521 (2IT611)	High Performance Computing	3	-	-	3	ISE 1	10	20	40
						MSE	30		
						ISE 2	10		
						ESE	50		
2IT522 (2IT612)	Mobile Ad-hoc and Sensor Network	3	-	-	3	ISE 1	10	20	40
						MSE	30		
						ISE 2	10		
						ESE	50		
2IT523 (2IT613)	Database Design and Performance Tuning	3	-	-	3	ISE-I	10	20	40
						MSE	30		
						ISE 2	10		
						ESE	50		
2IT571 (2IT661)	High Performance Computing Lab	-	-	2	1	ISE	50	20	
						ESE POE	50	20	
2IT572 (2IT662)	Mobile Ad-hoc and Sensor Network Lab	-	-	2	1	ISE	50	20	
						ESE (POE)	50	20	
2IT573 (2IT663)	Database Design and Performance Tuning Lab	-	-	2	1	ISE	50	20	
						ESE (POE)	50	20	
2IT542 (2IT642)	Pre Dissertation Seminar	-	-	2	1	ISE	100		40
Total		17	1	8	22	Total Credits: 22 Total Contact Hours: 26 hrs			

Elective	Course Code	Course
Professional Elective	2IT531 (2IT614)	Visualisation Techniques
	2IT532 (2IT615)	Big Data Analysis

Note: Course code in the bracket indicates pre-revised code



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Teaching and Evaluation Scheme Effective from 2016-17
M.Tech. Program in Computer Science and Engineering (IT)

Semester III

Course Code	Course	Teaching Scheme			Evaluation Scheme			
		L	T	P	Component	Credits	Practical (Marks)	
							Max	Min for Passing
2IT691 (2IT691)	Dissertation Phase 1 ISE	--	--	5	ISE 1	4	100	40
2IT692 (2IT692)	Dissertation Phase 2 ISE				ISE 2	2	100	40
2IT693 (2IT692)	Dissertation Phase 2 ESE	--	--		ESE 1	4	100	40
Total		--	--	5	Total Credit: 10 Average Contact hours/week/student: 5 Hrs			

Semester IV

Course Code	Course	Teaching Scheme			Evaluation Scheme			
		L	T	P	Scheme	Credits	Practical (Marks %)	
							Max	Min for Passing
2IT694 (2IT693)	Dissertation Phase 3 ISE	--	--	5	ISE 3	5	100	40
2IT695 (2IT694)	Dissertation Phase 4 ISE				ISE 4	5	100	40
2IT696 (2IT694)	Dissertation Phase 4 ESE	--	--		ESE 2	10	100	40
Total		--	--	5	Total Credit: 20 Average Contact hours/week/student: 5 Hrs			

Note: Course code in the bracket indicates pre-revised code