

**ANNA UNIVERSITY TIRUCHIRAPPALLI****Tiruchirappalli – 620 024****Regulations 2008****Curriculum****B.TECH. INFORMATION TECHNOLOGY****SEMESTER III**

S.No.	Subject Code	Subject	L	T	P	C
<b>Theory</b>						
1	MA1201	Transforms and Partial Differential Equations	3	1	0	4
2	CS1202	Object Oriented Programming	3	0	0	3
3	EC1206	Digital Principles and Systems Design	3	1	0	4
4	CS1201	Data Structures	3	0	0	3
5	EC1211	Principles of Communication	3	1	0	4
6	HS1201	Environmental Science and Engineering	3	0	0	3
<b>Practical</b>						
7	EC1208	Digital Laboratory	0	0	3	2
8	CS1203	Data Structures Laboratory	0	0	3	2
9	CS1204	Object Oriented Programming Laboratory	0	0	3	2
<b>Total</b>						<b>27</b>

**SEMESTER IV**

S.No.	Subject Code	Subject	L	T	P	C
<b>Theory</b>						
1	MA1252	Probability and Queueing Theory	3	1	0	4
2	CS1254	Database Management Systems	3	0	0	3
3	EC1257	Microprocessors and Microcontrollers	3	0	0	3
4	CS1252	Computer Organization and Architecture	3	1	0	4
5	CS1253	Operating Systems	3	0	0	3
6	IT1251	Software Engineering and Quality Assurance	3	0	0	3
<b>Practical</b>						
7	CS1256	Database Management Systems Laboratory	0	0	3	2
8	CS1255	Operating Systems Laboratory	0	0	3	2
9	EC1258	Microprocessors Laboratory	0	0	3	2
<b>Total</b>						<b>26</b>

## SEMESTER V

S.No.	Subject Code	Subject	L	T	P	C
<b>Theory</b>						
1		Numerical Methods	3	1	0	4
2		Signals and Systems	3	0	0	3
3		Embedded Systems	3	1	0	4
4		Object Oriented Analysis and Design	3	0	0	3
5		Computer Networks	3	0	0	3
6		Information Coding Techniques	3	0	0	3
<b>Practical</b>						
7		CASE Tools Laboratory	0	0	3	2
8		Networks Laboratory	0	0	3	2
9		Communication and Soft Skills Laboratory	1	0	3	2
<b>Total</b>						<b>26</b>

## SEMESTER VI

S.No.	Subject Code	Subject	L	T	P	C
<b>Theory</b>						
1		Telecommunication Systems	3	0	0	3
2		Network Programming and Management	3	0	0	3
3		Cryptography and Network Security	3	1	0	4
4		Visual Programming	3	1	0	4
5		Digital Signal Processing	3	1	0	4
6		Total Quality Management	3	0	0	3
<b>Practical</b>						
7		Digital Signal Processing Laboratory	0	0	3	2
8		Network Programming Laboratory	0	0	3	2
9		Visual Programming Laboratory	0	0	3	2
<b>Total</b>						<b>27</b>

## SEMESTER VII

S.No.	Subject Code	Subject	L	T	P	C
<b>Theory</b>						
1		Web Technology	3	1	0	4
2		Middleware Technologies	3	0	0	3
3		Mobile Computing	3	0	0	3
4		Graphics and Multimedia	3	1	0	4
5	<b>E1****</b>	Elective I	3	0	0	3
6	<b>E2****</b>	Elective II	3	0	0	3
<b>Practical</b>						
7		Middleware Technologies Laboratory	0	0	3	2
8		Graphics and Multimedia Laboratory	0	0	3	2
9		Software Development Laboratory	0	0	3	2
<b>Total</b>						<b>26</b>

## SEMESTER VIII

S.No.	Subject Code	Subject	L	T	P	C
<b>Theory</b>						
1		XML and Web Services	3	1	0	4
2		Fundamentals of Pervasive Computing	3	0	0	3
3	<b>E3****</b>	Elective III	3	0	0	3
4	<b>E4****</b>	Elective IV	3	0	0	3
<b>Practical</b>						
5		Project Work	0	0	12	12
<b>Total</b>						<b>25</b>

## LIST OF ELECTIVES

S.No.	Subject Code	Subject	L	T	P	C
<b>Elective I</b>						
1		Wireless Network Systems	3	0	0	3
2		Medical Informatics	3	0	0	3
3		Bio Informatics	3	0	0	3
4		Optical Communication	3	0	0	3
5		C# and .NET	3	0	0	3
6		Advanced Java Programming	3	0	0	3
7		TCP/IP Design and Implementation	3	0	0	3
<b>Elective II</b>						
1		UNIX Internals	3	0	0	3
2		Open Source Software	3	0	0	3
3		Component Based Technology	3	0	0	3
4		Software Project Management	3	0	0	3
5		Digital Image Processing	3	0	0	3
6		Soft Computing	3	0	0	3
7		Nano Computing	3	0	0	3
<b>Elective III</b>						
1		High Performance Microprocessors	3	0	0	3
2		Parallel Computing	3	0	0	3
3		Advanced Databases	3	0	0	3
4		Advanced Operating Systems	3	0	0	3
5		Software Testing	3	0	0	3
6		Software Metrics	3	0	0	3
7		Knowledge Based Decision Support Systems	3	0	0	3
<b>Elective IV</b>						
1		Enterprise Resource Planning	3	0	0	3
2		Resource Management Techniques	3	0	0	3
3		User Interface Design	3	0	0	3
4		Information Security	3	0	0	3
5		Business Process Model	3	0	0	3
6		Requirements Engineering	3	0	0	3
7		Software Quality Management	3	0	0	3