

# **SWAMI VIVEKANAND UNIVERSITY, SIRONJA, SAGAR (M.P.)**



## **SCHEME**

**For**

**Master of Technology (M.Tech)**

**Control System Engineering**

**Course Code : MTIC**

Department of Electrical & Electronics Engineering

Faculty of Engineering

Duration of Course : 2 Year

Examination Mode : Semester

Examination System : Grading

Swami Vivekanand University, Sironja Sagar (M.P.)

2016-2017



# Swami Vivekanand University, Sagar(M.P.)



Faculty : Engineering

Department : Electrical & Electronics Engg.

Scheme of Course : M.Tech(C.S.) Course Code : MTIC Semester / Year – I/I

Paper Code	Title of the Paper	Periods Per week				Distribution of Marks									Grand Total (j=e+i)
		L	T	P	C	Theory				Total (e=a+c+d)	Practical			Total (i=f+h)	
						Max (a)	Min (b)	MT (c)	TW (d)		Max (f)	Min (g)	TW (h)		
MTIC-0101	ADVANCED MATHEMATICS	3	1	-	4	70	28	20	10	100	-	-	-	-	100
MTIC-0102	LINEAR CONTROL SYSTEM	3	1	-	4	70	28	20	10	100	-	-	-	-	100
MTIC-0103	DISCRETE DATA & NON-LINEAR CONTROL	3	1	-	4	70	28	20	10	100	-	-	-	-	100
MTIC-0104	OPERATIONS RESEARCH AND OPTIMISATION	3	1	-	4	70	28	20	10	100	-	-	-	-	100
MTIC-0105	INDUSTRIAL AND PROCESS INSTRUMENTATION	3	1	-	4	70	28	20	10	100	-	-	-	-	100
MTIC-0106	LAB-I (INSTRUMENTATION AND CONTROL SYSTEM ENGG.)	-	-	6	6	-	-	-	-	-	90	-	60	150	150
MTIC-0107	LAB-II (INDUSTRIAL CONTROL SYSTEM ENGG.)	-	-	6	6	-	-	-	-	-	90	-	60	150	150
	Total	15	5	12	32	350		100	50	500	180		120	300	800



# Swami Vivekanand University, Sagar(M.P.)



Faculty : Engineering

Department : Electrical & Electronics Engg.

Scheme of Course : M.Tech(Control system) Course Code : MTIC Semester / Year – II/I

Paper Code	Title of the Paper	Periods Per week				Distribution of Marks									Grand Total (j=e+i)
		L	T	P	C	Theory				Total (e=a+c+d)	Practical			Total (i=f+h)	
						Max (a)	Min (b)	MST (c)	TW (d)		Max (f)	Min (g)	TW (h)		
MTIC-0201	FUZZY MATHS AND APPLICATIONS TO CONTROLLERS	3	1	-	4	70	28	20	10	100	-	-	-	-	100
MTIC-0202	OPTIMAL & ADAPTIVE CONTROL	3	1	-	4	70	28	20	10	100	-	-	-	-	100
MTIC-0203	STATE ESTIMATION AND SYSTEM IDENTIFICATION	3	1	-	4	70	28	20	10	100	-	-	-	-	100
MTIC-0204	PATTERN RECOGNITION	3	1	-	4	70	28	20	10	100	-	-	-	-	100
MTIC-0205	ADVANCED CONTROL SYSTEM	3	1	-	4	70	28	20	10	100	-	-	-	-	100
MTIC-206	LAB-III (CONTROL SYSTEM)	-	-	6	6	-	-	-	-	-	90		60	150	150
MTIC-0207	LAB-IV (APPLICATION OF FUZZY TO CONTROLLERS)	-	-	6	6	-	-	-	-	-	90		60	150	150
	Total	15	5	12	32	350		100	50	500	180		120	300	800



Faculty : Engineering

Department : Electrical & Electronics Engg.

Scheme of Course : M.Tech(C. S) Course Code : MTIC Semester / Year – III/II

Paper Code	Title of the Paper	Periods Per week				Distribution of Marks									Grand Total (j=e+i)
		L	T	P	C	Theory				Total (e=a+c+d)	Practical			Total (i=f+h)	
						Max (a)	Min (b)	MST (c)	TW (d)		Max (f)	Min (g)	TW (h)		
MTIC-0301	ELECTIVE-I	3	1	-	4	70	28	20	10	100	-	-	-	-	100
MTIC-0302	ELECTIVE-II	3	1	-	4	70	28	20	10	100	-	-	-	-	100
MTIC-0303	SEMINAR	3	1	-	4	70	28	20	10	100	-	-	-	-	300
MTIC-0304	DISSERTATION PART-I	15	5	12	32	350		100	50	500	180		120	300	500

<b>MTIC-0301 ELECTIVE-I</b>	<b>MTIC-0302 ELECTIVE-II</b>
<b>(A) ADVANCED MICROPROCESSOR</b>	<b>(A)ROBOTICS</b>
<b>(B) MICROCONTROLLER AND CONTROL</b>	



# Swami Vivekanand University, Sagar(M.P.)



Faculty : Engineering      Department : Electrical & Electronics Engg.  
Scheme of Course : M.Tech Course Code : MTIC      Sem / Year – IV/II

Paper Code	Title of the Paper	Periods Per week				Distribution of Marks								Grand Total (i= d+h)
		L	T	P	C	Theory		MST (c)	Total (d= a+c)	Practical		TW (g)	Total (h= e+g)	
						Max (a)	Min (b)			Max (e)	Min (f)			
MTIC-0401	Dissertation Part- II	-	-	20	20	-	-	-	-	300	120	200	500	500
Total		-	-	20	20	-	-	-	-	300	-	200	500	500