

Scheme of
UNDERGRADUATE DEGREE COURSE

B.Tech. V & VI Semester

Electronics Instrumentation & Control



Rajasthan Technical University, Kota
Effective from session: 2022-23



RAJASTHAN TECHNICAL UNIVERSITY, KOTA

Teaching & Examination Scheme B.Tech. : Electronics Instrumentation & Control 3rd Year –V Semester

THEORY											
SN	Category	Course		Contact hrs/week			Marks			Cr	
		Code	Title	L	T	P	Exm Hrs	IA	ETE		Total
1	ESC	5EI3-01	Digital Signal Processing	3	0	0	3	30	70	100	3
2	PCC/ PEC	5EI4-02	Sensors And Transducers	3	0	0	3	30	70	100	3
3		5EI4-03	Control System-I	3	0	0	3	30	70	100	3
4		5EI4-04	Biomedical Instrumentation	2	0	0	3	30	70	100	2
5		5EI4-05	Industrial Instrumentation	3	0	0	3	30	70	100	3
6		Professional Elective I (any one)		2	0	0	3	30	70	100	2
		5EI5-11	Control System Component								
		5EI5-12	Computer Network								
		5EI5-13	Probability Theory & Stochastic Process								
Sub Total				16	0	0					16
PRACTICAL & SESSIONAL											
7	PCC	5EI4-21	Transducer Lab	0	0	3	2	60	40	100	1.5
8		5EI4-22	Biomedical Instrumentation Lab	0	0	2	2	60	40	100	1
9		5EI4-23	Control Lab	0	0	3	2	60	40	100	1.5
10	PSIT	5EI7-30	Industrial Training	0	0	1		60	40	100	2.5
11	SODE CA	5EI8-00	Social Outreach, Discipline & Extra Curricular Activities	0	0	0			100	100	0.5
Sub- Total				0	0	9					7
TOTAL OF V SEMESTER				16	0	9					23

L: Lecture, T: Tutorial, P: Practical, Cr: Credits

ETE: End Term Exam, IA: Internal Assessment

Office of Dean Academic Affairs
Rajasthan Technical University, Kota



RAJASTHAN TECHNICAL UNIVERSITY, KOTA

Teaching & Examination Scheme B. Tech.: Electronics Instrumentation & Control 3rd Year – VI Semester

THEORY											
SN	Category	Course		Contact hrs/week			Marks				Cr
		Code	Title	L	T	P	Exm Hrs	IA	ETE	Total	
1	ESC	6EI3-01	Optical Instrumentation	3	0	0	3	30	70	100	3
2	PCC/ PEC	6EI4-02	Power Electronics	3	0	0	3	30	70	100	3
3		6EI4-03	Control System II	3	0	0	3	30	70	100	3
4		6EI4-04	Process Control System	3	0	0	3	30	70	100	3
5		6EI4-05	Neural Networks And Fuzzy Logic Control	3	0	0	3	30	70	100	3
6		Professional Elective II (any one)		2	0	0	3	30	70	100	2
		6EI5-11	Control System Design								
	6EI5-12	Embedded System Design									
	6EI5-13	Robotics									
Sub Total				17	0	0					17
PRACTICAL & SESSIONAL											
7	PCC	6EI4-21	Electronics Instrumentation Lab	0	0	4	2	60	40	100	2
8		6EI4-22	Control System Simulation Lab	0	0	2	2	60	40	100	1
9		6EI4-23	Process Control Lab	0	0	4	2	60	40	100	2
10		6EI4-24	Power Electronics Lab	0	0	2	2	60	40	100	1
11	SODE CA	6EI8-00	Social Outreach, Discipline & Extra Curricular Activities	0	0	0			100	100	0.5
Sub- Total				0	0	12					6.5
TOTAL OF VI SEMESTER				17	0	12					23.5

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