



INTEGRATED CERTIFICATE AND DIPLOMA (DEC-CTV)

Semester-I							
S. No	Sub. Code	Subject Name	L	T	P	Hrs.	Credits
1.	AM-111	Mathematics- I	4	1	0	5	5
2.	PH-111	Physics-I	4	0	2	6	5
3.	CY-111	Chemistry-I	4	0	2	6	5
4.	HU-111	Communication Skills-I	2	0	0	2	2
5.	EE-111	Fundamental of Electrical Engineering	3	0	2	5	4
6.	WS-122	Workshop Practice	0	0	4	4	2
7.	EC-112	Electronic Devices	2	0	2	4	3
Total			19	1	12	32	26
Semester-II							
S. No	Sub. Code	Subject Name	L	T	P	Hrs.	Credits
1	AM-121	Mathematics- II	4	1	0	5	5
2	PH-121	Physics-II	4	0	2	6	5
3	CY-121	Chemistry-II	4	0	2	6	5
4	ME-121	Engineering Drawing	0	0	4	4	2
5	EC-121	Digital Electronics	3	0	4	7	5
6	EC-122	Electronic Workshop Practice-I	0	0	4	4	2
Total			15	1	16	32	24
Semester-III (A)							
	TP-201	Two Weeks Practical Training during summer vacations				80	S/US



Semester-III (B)							
S. No	Sub. Code	Subject Name	L	T	P	Hrs.	Credits
1	HU-211	Communication Skills-II	1	0	2	3	2
2	CS-216	Computer Fundamentals	3	0	2	5	4
3	EC-212	Fundamental of Television Engineering	3	1	2	6	5
4	EC-213	Electronics Measurement & Instrumentation	3	1	2	6	5
5	EC-214	Analog Communication	3	1	2	6	5
6	EC-216	Maintenance & Repairing of Televisions	0	0	4	4	2
7	MC-211	Moral values and Professional ethics	1	0	0	1	0
Total			14	3	14	31	23
Semester-IV							
S. No	Sub. Code	Subject Name	L	T	P	Hrs.	Credits
1	AM-221	Applied Mathematics	3	1	0	4	4
2	EC-222	Audio Video System	3	0	2	5	4
3	EC-223	Fundamentals of Microprocessor & Microcontroller	3	1	4	8	6
4	EC-224	Troubleshooting of Audio Video Equipment	0	0	6	6	3
5	EC-228	Network Theory	3	1	0	4	4
6	EC-229	Troubleshooting of Electronic Equipment-II	0	0	4	4	2
Total			12	3	16	31	23
Semester-V(A)							
	TP301	Four Weeks Industrial Training during summer vacations				160	U/US



Semester-V (B)							
S. No	Sub. Code	Subject Name	L	T	P	Hrs.	Credits
1	MC-311	Environmental Studies	2	0	0	2	2
2	HU-311	Entrepreneurship	2	0	0	2	2
3	EC-311	Electromagnetic Field Theory	3	0	0	3	3
4	EC-312	Linear IC's & Application	3	1	4	8	6
5	EC-313	Digital Communication	3	1	2	6	5
6	EC-314	Electronic Workshop Practice-II	0	0	4	4	2
7	EC-315	Principles of Microwave Engineering	2	1	0	3	3
8	TP-301E	Industrial Training					S/US
Total			15	3	10	38	23
Semester-VI							
S. No	Sub. Code	Subject Name	L	T	P	Hrs.	Credits
1	EC-321	Industrial Electronics	3	1	4	8	6
2	EC-322	Wireless & Mobile Communication	3	0	0	3	3
3	EC-323	Microprocessor & Microcontroller Applications	3	1	2	6	5
4	EC-324	Antenna Wave Propagation	3	0	0	3	3
5	EC-325	Microelectronics	3	0	2	5	4
7	EC-327	Project	0	0	4	4	2
Total			15	2	12	29	23
Total Theory & Practical Load for Diploma			90	13	80	183	142

Note:	The required credits for certificate programme	96
	The required credits for ICD programme	142
	Maximum courses in one semester	7
	Maximum Contact Hrs.	32
	The common courses and their credits are fixed for all ICD programmes.	

Courses offered to other Departments:

S. No	Sub Code	Subject Name	L	T	P	Hrs..	Credits
1	EC-211	Fundamental of Electronics Engineering	3	0	2	5	4
2	EC-221	Fundamental of Electronics Engineering	3	0	2	5	4