

STATE COUNCIL FOR TECHNICAL EDUCATION (SCTE)

Department of Technical Education: Nagaland: Kohima

NO.DTE.EXAM/49/2008-09; dt: 08-03-2013

Program Structure/Sample Path for Diploma in Electronics & Communication Engineering (ECE)

w.e.f. 2010 -

Semester -I

Sl. No.	Course Code	Name of Course	TeachingScheme				Credit	Examination Scheme				Total
			Pre-req.	L	T	P		Theory		Practical		
								ET	PA	ET	PA	
1	G1 01	Communication Skills-I		3	-	2	5	75	25	-	25	125
2	G1 02	Value and Ethics in Technical Education		-	1	1	2	-	-	25	25	50
3	G1 03	Engineering Mathematics-I		4	1	-	5	75	25	-	-	100
4	G1 04	Aplied Physics		3	-	2	5	75	25	25	25	150
5	G1 05	Aplied Chemistry		3	-	2	5	75	25	25	25	150
6	G2 02	Computer Fundamentals & Applications	-	2	-	4	6	75	25	25	25	150
Total		6					28					725

Semester -II

Sl. No.	Course Code	Name of Course	TeachingScheme				Credit	Examination Scheme				Total
			Pre-req.	L	T	P		Theory		Practical		
								ET	PA	ET	PA	
1	G2 01	Communication Skills-II	G101	3	1	-	4	75	25	-	-	100
2	G2 03	Engineering Drawing		2	-	6	8	75	25	25	25	150
3	G2 04	Elements of Civil, Electrical & Mechanical Engineering	-	3	-	2	5	75	25	25	25	150
4	G2 05	Applied Mechanics	-	4	2	-	6	75	25	25	25	150
5	G2 06	Engineering Materials	-	4	-	-	4	75	25	-	-	100
6	G2 07	Engineering Mathematics-II	G103	4	1	-	5	75	25	-	-	100
Total		6					32					750

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Semester -III

Sl. No.	Course Code	Name of Course	Teaching Scheme				Credit	Examination Scheme				Total
			Pre-req.	L	T	P		Theory		Practical		
								ET	PA	ET	PA	
1	G3 05	Personality Development		3	2	-	5	75	25	-	-	100
2	ECE2 05 EEE4 02	Basic Electronics	G104	3	1	2	6	75	25	50	25	175
3	ECE4 03	Electrical Fundamentals & Measuring Instruments	G104, G204	3	1	2	6	75	25	50	25	175
4	ECE4 05	Electrical Machines	G204	3	1	2	6	75	25	50	25	175
5	ECE4 06	Circuits & Networks	G204	3	1	2	6	75	25	50	25	175
6	ECE4 07	Fundamentals of Telecommunication	-	3	-	2	5	75	25	50	25	175
Total		6					34					975

Semester -IV

Sl. No.	Course Code	Name of Course	Teaching Scheme				Credit	Examination Scheme				Total
			Pre-req.	L	T	P		Theory		Practical		
								ET	PA	ET	PA	
1	G 304	Marketing Management	-	3	2	-	5	75	25			100
2	ECE4 01	Analog Techniques	-	3	1	2	6	75	25	50	25	175
3	ECE4 02 EEE4 03	Digital Electronics	G104	3	1	2	6	75	25	50	25	175
4	ECE4 04 EEE4 05	Electronics Measurement & Measuring Instruments	G204	3	1	2	6	75	25	50	25	175
5	ECE4 08	Electronics Workshop Practice (ECE)	-	-	-	6	6	-	-	50	50	100
6	ECE5 02	Microprocessor 8085	ECE402	3	1	2	6	75	25	50	25	175
Total		6					35					900

Semester -V

Sl. No.	Course Code	Name of Course	TeachingScheme				Credit	Examination Scheme				Total
			Pre-req.	L	T	P		Theory		Practical		
								ET	PA	ET	PA	
1	ECE501	T.V. Transmission & Reception	ECE401, ECE407	4	-	2	6	75	25	50	25	175
2	ECE503	Principles of Digital Communications	ECE402, ECE407	3	-	2	5	75	25	50	25	175
3	ECE504	Audio & Video Engineering	ECE401, ECE407	3	-	2	5	75	25	50	25	175
4	ECE505	Computer Aided Design & Drawing of electronic circuits	ECE401, ECE405	2	1	2	5	50	25	50	50	175
5	ECE-506	Testing and Maintenance of Electronic Equipments	ECE403, ECE404	-	2	4	6	-	-	50	50	100
6	ECE507	Industrial Electronics	ECE205, ECE401	4	-	2	6	75	25	50	25	175
Total		6					33					975

Semester -VI

Sl. No.	Course Code	Name of Course	TeachingScheme				Credit	Examination Scheme				Total
			Pre-req.	L	T	P		Theory		Practical		
								ET	PA	ET	PA	
1	G5 01	Entrepreneurship Development	-	4	2	-	6	75	25	-	25	125
2	ECE508	Project	-	-	-	10	10	-	-	100	100	200
3	ECE607	Advance Communication System	ECE407, /ECE501	4	-	2	6	75	25	50	25	175
4	ECE608	Computer Communication	ECE205, /ECE503	3	1	2	6	75	25	50	25	175
5	IBT 01	Industrial Training of six week duration					10	-	-	100	100	200
Total		5					38					875

To be given in the last semester only

Total Subjects : 34+1 = 35

Total Credits : 190+10 = 200

Total Marks : 5000+200 = 5200