

**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 Information Technology (IT)**

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
<b>Total</b>		<b>6</b>					<b>28</b>					<b>725</b>

**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 07	Engineering Mathematics-II	G103	4	1	-	5	75	25	-	-	100
4	CSE2 01 CPE2 01 IT2 01	Fundamentals of Electrical & Electronics	G105	3	-	2	5	75	25	50	25	175
5	IT2 02	Managing Information Services	G202	3	1	-	4	100	25	-	-	125
6	CSE4 06 CPE4 06 IT4 07	Programming in C	G202	2	-	3	5	75	25	50	25	175
<b>Total</b>		<b>6</b>					<b>31</b>					<b>825</b>

## 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 Information Technology (IT)

w.e.f. 2010 -

## Semester -III

Sl. No.		Name of Course	TeachingScheme				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	CSE4 05 CPE4 05 IT4 02	Operating System	G202	4	1	-	5	100	25	-	-	125
3	CSE4 02 CPE4 02 IT4 03	Electronic Workshop Practice (IT)	IT201	1	-	3	4	-	-	100	25	125
4	CSE4 03 CPE4 03 IT4 04	Data Structure	IT407	3	1	2	6	75	25	50	25	175
5	CSE4 07 CPE4 07 IT4 09	NetworkEssentials	G202	3	2	1	6	100	50	25	-	175
6	CSE5 05 CPE5 05 IT5 02	Object Oriented Programming in C++	IT407	2	1	3	6	75	25	50	25	175
<b>Total</b>		<b>6</b>					<b>32</b>					<b>875</b>

## Semester -IV

Sl. No.	Course Code	Name of Course	TeachingScheme				Credit	Examination Scheme				Total
			Pre-req.	L	T	P		Theory		Practical		
								ET	PA	ET	PA	
1	IT2 03	Telematics	-	4	2	-	6	100	50	-	-	150
2	G 304	Marketing Management	-	3	2	-	5	75	25			100
3	CSE4 04 CPE4 04 IT4 06	Computer Architechture	G202	3	1	2	6	100	25	50	-	175
4	IT4 08	Principles of Telecommunication	-	4	-	2	6	75	25	50	25	175
5	CSE5 02 CPE5 02 IT5 03	Linux O.S.	IT402	3	-	2	5	100	-	50	25	175
6	CSE5 08 CPE5 08 IT5 06	Programming in Visual Basic	IT502	3	1	2	6	75	25	50	25	175
<b>Total</b>		<b>6</b>					<b>34</b>					<b>950</b>

### 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	IT4 01	Digital Electronics (IT)	IT201	3	1	2	6	75	25	50	25	175
2	IT4 05	Analog and Digital Communication	-	4	-	2	6	75	25	50	25	175
3	CPE5 01 IT5 01	Micro-processor Programming	IT201	4	1	2	7	100	25	25	25	175
4	IT5 04	ParallelProgram Design	IT502	3	-	1	4	75	25	-	-	100
5	CSE5 03 CPE5 03 IT5 05	Client Server Application	-	3	1	2	6	75	25	50	25	175
6	IT5 10	Mini Prooject	IT407 or 502 or 505 or 506	1	-	3	4	-	-	50	25	75
<b>Total</b>			<b>6</b>				<b>33</b>					<b>875</b>

### 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	-		100
Networking Technology												
2	CSE6 01N CPE6 01N IT6 01N	Computer Network	#	4	2	1	7	100	25	25	25	175
3	CSE6 02N CPE6 02N IT6 02N	Network Installation and Management	#	4	-	2	6	100	-	50	25	175
4	CSE6 03N CPE6 03N IT6 03N	Wireless and Mobile communication	#	4	2	1	7	100	50	-	25	175
5	IT6 04N	Major Project	#	1	-	5	6	-	-	100	25	125
6	IBT 01	IndustrialTraining of six week duration	100 Cr				10	-	-	100	100	200
<b>Total</b>			<b>6</b>				<b>42</b>					<b>950</b>

# To be given in the last semester only

Total Subject : 35+1 =36

Total Credits : 190+10 = 200

Total Mark : 5000+200 = 5200