

ಕರ್ನಾಟಕ ಸರ್ಕಾರ

ಸಂ: ಡಿಟಿಇ/17/ಸಿಡಿಸಿ(2)/E-Gov/2013-14

ನಿರ್ದೇಶಕರವರ ಕಛೇರಿ,
ತಾಂತ್ರಿಕ ಶಿಕ್ಷಣ ಇಲಾಖೆ,
ಬೆಂಗಳೂರು-560001,
ದಿನಾಂಕ: 28.7.2015

ಸುತ್ತೋಲೆ

ವಿಷಯ: ತಾಂತ್ರಿಕ ಶಿಕ್ಷಣ ಇಲಾಖೆಯಡಿ ಬರುವ ಇಂಜಿನಿಯರಿಂಗ್ ಹಾಗೂ
ಪಾಲಿಟೆಕ್ನಿಕ್‌ಗಳಲ್ಲಿ ಐಐಟಿ ಬಾಂಬೆಯವರು “Spoken tutorials
Project” ಅಡಿ FOSS ಗಳ ಬಗ್ಗೆ ತರಬೇತಿ ನಡೆಸುವ ಕುರಿತು.

ಉಲ್ಲೇಖ: 1) ಈ ಕಛೇರಿ ಪತ್ರ ಸಂ: ಡಿಟಿಇ/17/ಸಿಡಿಸಿ(2)/E-Gov/FOSS/
2013-14 , ದಿ:30.11.2014
2) ತರಬೇತಿ ಸಂಯೋಜಕರು “Spoken tutorials Project”
ಐಐಟಿ ಬಾಂಬೆಯವರ ದಿ: 22.7.2015 ಇ-ಮೇಲ್ ಪತ್ರ.

ಮೇಲ್ಕಂಡ ವಿಷಯಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ ಉಲ್ಲೇಖಿತ ಪತ್ರ (1)ರಲ್ಲಿ ತಾಂತ್ರಿಕ ಶಿಕ್ಷಣ ಇಲಾಖೆಯ ಅಡಿಯಲ್ಲಿ
ಕಾರ್ಯನಿರ್ವಹಿಸುತ್ತಿರುವ ಎಲ್ಲಾ ಇಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜು ಹಾಗೂ ಪಾಲಿಟೆಕ್ನಿಕ್‌ಗಳಲ್ಲಿ ಎಂ.ಹೆಚ್.ಆರ್.ಡಿ.
ವತಿಯಿಂದ ಐಐಟಿ ಬಾಂಬೆಯವರು ಉಚಿತವಾಗಿ ನಡೆಸಲಾಗುತ್ತಿರುವ “Spoken tutorials” ಅವಲಂಬಿತ
Software ತರಬೇತಿಯನ್ನು ಸಂಬಂಧಪಟ್ಟ ಸಂಸ್ಥೆಯ ಉಪನ್ಯಾಸಕರು/ವಿದ್ಯಾರ್ಥಿಗಳು ಪಡೆದುಕೊಳ್ಳಲು
ತಿಳಿಸಿರುವುದು ಸರಿಯಷ್ಟೆ.

“Spoken tutorials Project” ನ ಸಂಯೋಜಕರಾದ ಶ್ರೀಮತಿ ಅನುಶ್ರೀ ಧರ್ಮಾಧಿಕಾರಿಯವರು 05
ಪ್ರೋಗ್ರಾಮುಗಳಾದ ಸಿವಿಲ್, ಇ&ಸಿ, ಇ&ಇ, ಸಿಎಸ್ ಮತ್ತು ಐಎಸ್ ವಿಷಯಗಳಿಗೆ ಸಂಬಂಧಿಸಿದಂತೆ 1 ರಿಂದ 6ನೇ
ಸೆಮಿಸ್ಟರ್‌ಗಳಲ್ಲಿ ಅಳವಡಿಸಬೇಕಾದ ‘ತರಬೇತಿ ಕಾರ್ಯಸೂಚಿ’ಯನ್ನು(Calendar) ಸಿದ್ಧಪಡಿಸಿದ್ದು,ಸದರಿ
Calendar ನ್ನು ಈ ಪತ್ರದೊಂದಿಗೆ ಲಗತ್ತಿಸಲಾಗಿದೆ. ಸದರಿ ಕಾರ್ಯಸೂಚಿಯ ಅನುಗುಣವಾಗಿ ಸಂಸ್ಥೆಗಳಲ್ಲಿ
ಕಾರ್ಯಕ್ರಮಗಳನ್ನು ರೂಪಿಸಿ ತರಬೇತಿ ನೀಡಲು ಮತ್ತು ಈ 05 ಪ್ರೋಗ್ರಾಮುಗಳನ್ನು ಹೊರತುಪಡಿಸಿ ಉಳಿದ
ಪ್ರೋಗ್ರಾಮುಗಳ ಕಾರ್ಯಕ್ರಮಗಳನ್ನು ಮೊದಲಿನಂತೆ ಯಥಾವತ್ತಾಗಿ ಅಳವಡಿಸಿ ತರಬೇತಿ ನೀಡಲು
ಸೂಚಿಸಲಾಗಿದೆ.

ಈ ಸಂಬಂಧ ಹೆಚ್ಚಿನ ಮಾಹಿತಿಗಾಗಿ ಸಂಬಂಧಪಟ್ಟ ಸಂಸ್ಥೆಯ ಪ್ರಾಚಾರ್ಯರು ಮತ್ತು ಪ್ರಾಜೆಕ್ಟ್
ಸಂಯೋಜಕರು, ಶ್ರೀಮತಿ ಅನುಶ್ರೀ ಧರ್ಮಾಧಿಕಾರಿ “Spoken tutorials Project” ನ ಸಂಯೋಜಕರು
ಇವರನ್ನು ಸಂಪರ್ಕಿಸಿ ತರಬೇತಿ ನೀಡಲು ಅಗತ್ಯ ಕ್ರಮಗಳನ್ನು ತೆಗೆದುಕೊಳ್ಳಲು ಮತ್ತು ತೆಗೆದುಕೊಂಡ ಕ್ರಮದ ಬಗ್ಗೆ
ಸದರಿಯವರಿಗೆ ಮತ್ತು ನಿರ್ದೇಶನಾಲಯಕ್ಕೆ ಮಾಹಿತಿ ನೀಡಲು ಈ ಮೂಲಕ ಆದೇಶಿಸಲಾಗಿದೆ.

ಗೆ,

1. ರಾಜ್ಯದ ಎಲ್ಲಾ ಸರ್ಕಾರಿ ಇಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜುಗಳ ಪ್ರಾಚಾರ್ಯರುಗಳಿಗೆ ಸೂಕ್ತ ಕ್ರಮಕ್ಕಾಗಿ
2. ರಾಜ್ಯದ ಎಲ್ಲಾ ಸರ್ಕಾರಿ/ಅನುದಾನಿತ/ಖಾಸಗಿ ಪಾಲಿಟೆಕ್ನಿಕ್ ಪ್ರಾಚಾರ್ಯರುಗಳಿಗೆ ಸೂಕ್ತ ಕ್ರಮಕ್ಕಾಗಿ
3. ಜಂಟಿ ನಿರ್ದೇಶಕರು (ಆಡಳಿತ) ರವರ ಮಾಹಿತಿಗೆ.
4. ಸಂಯೋಜಕರು “Spoken tutorials Project” ಐಐಟಿ ಬಾಂಬೆಯವರ ಮಾಹಿತಿಗೆ.
5. ನಿರ್ದೇಶಕರ ಆಪ್ತಶಾಖೆ, ತಾಂತ್ರಿಕ ಶಿಕ್ಷಣ ಇಲಾಖೆ ರವರ ಮಾಹಿತಿಗೆ.


ನಿರ್ದೇಶಕರು
ತಾಂತ್ರಿಕ ಶಿಕ್ಷಣ ಇಲಾಖೆ

**COMMON TO DIPLOMA IN CIVIL ENGG, DIPLOMA IN CIVIL D'SHIP,
DIPLOMA IN WATER TECHNOLOGY AND HEALTH SCIENCES, DIPLOMA IN ENVIRONMENTAL ENGG,
DIPLOMA IN CONSTRUCTION TECHNOLOGY.**

FIRST SEMESTER DIPLOMA IN CIVIL ENGINEERING
Scheme of Study and Examination.
(With effect from 2009-10)

Q P CODE	Theory Subject	Contact Hours			Exam. Duration	Scheme of Examination			Total Marks	Min marks for passing	Spoken Tutorial Software E-Resource
		Theor y	Pract .	Total		End Exam. Max mark s	Min marks	I.A Marks *			
9CP01E	English Communication	4	---	4	3	100	35	25	125	45	
9SC01M	Applied Mathematics-I.	4	---	4	3	100	35	25	125	45	
9SC03S	Applied Science	5	---	5	3	100	35	25	125	45	
9CE01M	Materials of construction-I	4	---	4	3	100	35	25	125	45	
	Drawing/Practicals										
9SC10P	Applied Science Lab	---	6	6	3	100	50	25	125	60	
9CE16P	Basic Computer Skill	---	6	6	3	100	50	25	125	60	Libre Office Writer, Calc, Impress
	Engg. Drawing (Manual)		03	03	-	-	-	-	-	-	
	Total	17	15	32		600	240	150	750	300	

• 48 hours of contact hours of Engg. Drawing mentioned in II semester scheme to be covered in I semester

- COMMON TO DIPLOMA IN CIVIL ENGG, DIPLOMA IN CIVIL D'SHIP, DIPLOMA IN WATER TECHNOLOGY AND HEALTH SCIENCES, DIPLOMA IN ENVIRONMENTAL ENGG, DIPLOMA IN CONSTRUCTION TECHNOLOGY.

SECOND SEMESTER DIPLOMA IN CIVIL ENGINEERING
 Scheme of Study and Examination.
 (With effect from 2009-10)

Q P CODE	Theory Subject	Contact Hours			Exam. Duration	Scheme of Examination			Total Marks	Min marks for passing	Spoken Tutorial Software E- Resource
		Theory	Pra ct.	Total		End Exam.	Max Mar ks	Min marks			
9SC02M	Applied Mathematics-II	5	---	5	3	100	35	25	125	45	
9CE02M	Materials of construction-II	4	---	4	3	100	35	25	125	45	
9CE04S	Surveying-I	4	---	4	3	100	35	25	125	45	
	Drawing/Practicals										
9CE03D	Engineering Drawing (Manual)	---	6	6	4	100	35	25	125	45	
9CE10P	Surveying practice-I	---	6	6	3	100	50	25	125	60	
9CE11P	Cad lab-1.	---	6	6	3	100	50	25	125	60	Q-CAD
	Total	13	18	31		600	240	150	750	300	

DEPARTMENT OF TECHNICAL EDUCATION
DIPLOMA COURSE IN CIVIL ENGINEERING (General)
FIFTH SEMESTER

Scheme of study and

Examination (W.E.F 2011-12)

Sl No	Theory Subject	QP Code	Contact Hours			Exam. Duration	Scheme of Examination			Total Max. Marks	Min Marks for passing (with IA)	Spoken Tutorial Software E-Resource
			Theory	Pract	Total		End. Exam	Min. Marks for passing	I. A. Marks			
1	Concrete Technology & R.C.C.	9CE51	4	-	4	3	100	35	25	125	45	
2	Highway, Bridge & Airport Engineering	9CE52	4	-	4	3	100	35	25	125	45	
3	Estimating & Costing-I	9CE53	4	-	4	3	100	35	25	125	45	
4	Elective(Opt any one)											
i	Town Planning.	9CE54EA										
ii	Advanced Construction Technology.	9CE54EB										
iii	Repairs & Maintenance of civil works.	9CE54EC										
iv	Geo-Technical Engineering.	9CE54ED										
v	Solid Waste Management.	9CE54EE	4	-	4	3	100	35	25	125	45	
	Drawing /Practical											
5	Irrigation & Bridge Drawing	9CE55D	-	6	6	4	100	35	25	125	45	
6	Computer Applications Lab	9CE56P	-	6	6	3	100	50	25	125	60	
7	CASP	9CE57P	-	6	6	3	50	25	75	125	60	
8	Project Work*	9CE58P	-	3	3	-	-	-	25	-	-	LaTeX
	Total		. 16	18	37		650		250	875	345	

*Project Work Examination will be at the end of 6th Semester

GOVERNMENT OF KARNATAKA
DEPARTMENT OF TECHNICAL EDUCATION

DIPLOMA COURSE IN CIVIL ENGINEERING (General)

FOURTH SEMESTER

Scheme of Study and Examination (W.E.F. 2010 - 11)

Q P CODE	Theory Subject	Contact Hours			Exam. Duration	Scheme of Examination			Total Max. Marks	Min Marks for passin g (with IA)	Spoken Tutorial Software E-Resource
		Theory	Practical	Total		End. Exam		*I. A. Marks			
						Max. Marks	Min. Marks for passing				
9CE41	Hydraulics Environmental Engineering-II	4	-	4	3	100	35	25	125	45	
9CE42	Water Resources Engineering	4	-	4	3	100	35	25	125	45	
9CE43	Surveying-III	4	-	4	3	100	35	25	125	45	
9CE44	Drawing /Practical										
9CE45 P	Hydraulics & Environmental Lab	-	6	6	3	100	50	25	125	60	
9CE46 P	Building Drawing using CAD	-	6	6	3	100	50	25	125	60	Q-CAD
9CE47 P	Surveying Practice-III	-	6	6	3	100	50	25	125	60	
	Total	16	18	34		700	290	175	875	360	

GOVERNMENT OF KARNATAKA
DEPARTMENT OF TECHNICAL EDUCATION
DIPLOMA COURSE IN CIVIL ENGINEERING (General)

THIRD SEMESTER
Scheme of Study and Examination (W.E.F. 2010 - 11)

Q P CODE	Theory Subject	Contact Hours			Exam. Duration	Scheme of Examination			Total Max. Marks	Min Marks for passing (with IA)	Spoken Tutorial Software E-Resource
		Theory	Practical	Total		End. Exam	Max. Marks	Min. passing Marks	L. A. Marks		
9CE31	Strength of Materials	4	-	4	3	100	35	25	125	45	
9CE32	Environmental Engineering-I	4	-	4	3	100	35	25	125	45	
9CE33	Construction Technology	4	-	4	3	100	35	25	125	45	
9CE34	Surveying- II	4	-	4	3	100	35	25	125	45	
	Drawing / Practical										
9CE35 D	Building Planning & Drawing	-	6	6	4	100	35	25	125	45	
9CE36 P	Civil Engineering Materials Testing Lab	-	6	6	3	100	50	25	125	60	
9CE37 P	Surveying Practice- II		6	6	3	100	50	25	125	60	
	Total	16	18	34		700	275	175	875	345	

GOVERNMENT OF KARNATAKA
DEPARTMENT OF TECHNICAL EDUCATION
DIPLOMA COURSE IN CIVIL ENGINEERING (General)

SIXTH SEMESTER

Scheme of study and Examination (W.E.F 2011-12)

Sl No.	Theory Subject	Q P Code	Contact Hours			Exam. Duration	Scheme of Examination			Total Max. Marks	Min Marks for passing (with IA)	Spoken Tutorial Software E-Resource
			Theory	Practical	Total		End. Exam		I. A. Marks			
							Max. Marks	Min. Marks for passing				
1	Railway, Tunnel & Harbour Engineering	9CE61	4	-	4	3	100	35	25	125	45	
2	Estimating and Costing -II	9CE62	4	-	4	3	100	35	25	125	45	
3	Design of Steel & Masonry Structures	9CE63	4	-	4	3	100	35	25	125	45	
4	Construction Management & Constitution of India	9CE64	4	-	4	3	100	35	25	125	45	
	Drawing /Practical											
5	Construction Practice	9CE65	-	6	6	3	100	50	25	125	60	
6	Extensive Survey Project *	9CE66	-	6	6	3	100	50	25	125	60	
7	Project work(Continuation from 5 th Semester)	9CE67	-	3	3	3	100	50	25	125	60	
	Total		16	18	31		700		175	875	360	

* 12 Days Survey Camp outside the Campus.

SECOND SEMESTER DIPLOMA IN ELECTRICAL AND ELECTRONICS ENGINEERING
Scheme of Study and Examination.
(With effect from 2009-10)

SL No	Q P CODE	Theory Subject	Contact Hours			Exam. Duration	Scheme of Examination			Total Marks	Min marks for passing	Spoken Tutorials Software E-Resource
			Theory	Practical	Total		End Exam.		I.A Marks *			
							Max Marks	Min marks				
1	9SC02M	Applied Mathematics-II.	4	---	4	3	100	35	25	125	45	
2	9CP01E	English communication	4	---	4	3	100	35	25	125	45	
3	9EE23	Electrical Circuits	4	---	4	3	100	35	25	125	45	
4	9EE24	Electronics-I	4	---	4	3	100	35	25	125	45	
		Drawing/ Practicals										
5	9EE25P	Computer Aided Engg. Drawing	---	6	6	3	100	50	25	125	60	Q-CAD
6	9EE26P	Electrical Circuit Laboratory	---	6	6	3	100	50	25	125	60	
7	9EE27P	Electronics-I Lab	---	6	6	3	100	50	25	125	60	
		Total	16	18	34		700			875	360	

FIRST SEMESTER DIPLOMA IN ELECTRICAL AND ELECTRONICS ENGINEERING
Scheme of Study and Examination.
(With effect from 2009-10)

SL No.	Q P CODE	Theory Subject	Contact Hours			Exam Duration	Scheme of Examination			Total Marks	Min marks for passing	Spoken Tutorial Software E-Resource
			Theory	Practical	Total		End Exam.		I.A Marks *			
1	9SC003S	Applied Science	5	---	5	3	Max marks	Min marks	25	125	45	
2	9SC01M	Applied Mathematics-I.	4	---	4	3	100	35	25	125	45	
3	9ME02M	Mechanical Engg. Sciences	4	---	4	3	100	35	25	125	45	
4	9EE14	Elements of Electrical Engg	4	---	4	3	100	35	25	125	45	
		Drawing/ Practicals										
5	9SC10P	Applied Science lab	---	6	6	3	100	50	25	125	60	
6	9EE16P	Basic Computer Skills Lab	---	6	6	3	100	50	25	125	60	Libre Office Writer, Calc, Impress
7	9EE17P	Electrical Wiring Lab	---	6	6	3	100	50	25	125	60	Oscad
		Total	17	18	35		700			875	360	

Department of Technical Education
DIPLOMA COURSE IN ELECTRICAL AND ELECTRONICS ENGINEERING

FOURTH SEMESTER
Scheme of Study and Examination.
(With effect from 2010-11)

SL No	Q P CODE	Subjects	Contact Hours			Scheme of Examination				Total Max. Marks (7+9)	Min marks for passing (with IA)	Spoken Tutorial Software E-Resource
			Theory	Pract.	Total	Exam. Duration	End Exam.		I.A Marks *			
1		2	3	4	5	6	7	8	9	10	11	
1	9EE41	Electrical Machines - II	4		4	3	100	35	25	125	45	
2	9EE42	Electrical Power Generation	4		4	3	100	35	25	125	45	
3	9EE43	Transmission and Distribution	4		4	3	100	35	25	125	45	
4	9EE44	Power Electronics	4		4	3	100	35	25	125	45	
		Drawing / Practicals										
5	9EE45P	Electrical Machines Lab	---	6	6	3	100	50	25	125	60	
6	9EE46P	Power Electronics Lab	---	6	6	3	100	50	25	125	60	
7	9EE47P	C-Programming Lab	---	6	6	3	100	50	25	125	60	C
		TOTAL	16	18	34		700	290	175	875	360	

Department of Technical Education
DIPLOMA COURSE IN ELECTRICAL AND ELECTRONICS ENGINEERING

THIRD SEMESTER

Scheme of Study and Examination.
(With effect from 2010-11)

Sl. No.	Q P CODE	Subjects	Contact Hours			Scheme of Examination						Spoken Tutorial Software E- Resource
			Theory	Pract.	Total	Exam. Duration	End Exam.		I.A. Marks *	Total Max. Marks (7+9)	Min marks for passing (with IA)	
							Max marks	Min passing Marks				
1		2	3	4	5	6	7	8	9	10	11	
1	9EE31	Electrical Machines-I	4	---	4	3	100	35	25	125	45	
2	9EE32	Communication and Computer networks	4	---	4	3	100	35	25	125	45	
3	9EE33	Electrical & Electronics Measurements	4	---	4	3	100	35	25	125	45	
4	9EE34	Electronics-II	4	---	4	3	100	35	25	125	45	
		Drawing / Practical										
5	9EE35P	Electrical measurements Lab	---	6	6	3	100	50	25	125	60	
6	9EE36P	Electronics Lab-II	---	6	6	3	100	50	25	125	60	
7	9EE37P	Computer Aided Electrical Drawing.	---	6	6	4	100	50	25	125	60	
		TOTAL	16	18	34		700	290	175	875	360	

**DEPARTMENT OF TECHNICAL EDUCATION
DIPLOMA IN ELECTRICAL AND ELECTRONICS ENGG.**

SIXTH SEMESTER

**SCHEME OF STUDY AND EXAMINATION
(WITH EFFECT FROM 2011-12)**

Q P Code	SUBJECTS	Contact hours/WEEK			Exam Duration In Hrs	SCHEME OF EXAMINATION			Total Max Marks	Min. Marks for Pass with IA	Spoken Tutorial Software E- Resource
		Theory	Practica 1	Total		End exam Max Marks	Min exam Min Pass Marks	IA Marks			
	2	3	4	5	6	7	8	9	10	11	
	THEORY										
9EE61	INDUSTRIAL DRIVES & CONTROL	4	-	4	3	100	35	25	125	45	
9EE62	UTILISATION OF ELECTRICAL ENERGY & MANAGEMENT	4	-	4	3	100	35	25	125	45	
9EE63	BASIC MANAGEMENT SKILLS and INDIAN CONSTITUTION.	4	-	4	3	100	35	25	125	45	
	PRACTICALS										
9EE64P	ELECTRIC MOTOR CONTROL LAB	-	6	6	3	100	50	25	125	60	
9EE65P	PLC & HDL LAB	-	6	6	3	100	50	25	125	60	
9EE66P	PROJECT WORK	-	6	6	3	100	50	25	125	60	
9EE67P	INDUSTRIAL VISIT						--	25	25	--	
	TOTAL	12	18	30	18	600	255	175	775	315	

**DEPARTMENT OF TECHNICAL EDUCATION
DIPLOMA IN ELECTRICAL AND ELECTRONICS ENGG.**

FIFTH SEMESTER

**SCHEME OF STUDY AND EXAMINATION
(WITH EFFECT FROM 2011-12)**

Q P CODE	SUBJECTS	Contact hours/WEEK			Exam Duration In Hrs	SCHEME OF EXAMINATION			Total Max Marks	Min. Marks for Pass with IA	Spoken Tutorial Software E- Resource
		Theory	Practical	Total		End exam	Max Marks	Min Pass Marks			
	2	3	4	5	6	7	8	9	10	11	
	THEORY										
9EE51	ESTIMATION & SPECIFICATION	4	-	4	3	100	35	25	125	45	
9EE52	SWITCHGEAR & PROTECTION	4	-	4	3	100	35	25	125	45	
**	ELECTIVE THEORY (Any One)										
9EE53EA	Embedded System	4	-	4	3	100	35	25	125	45	
9EE53EB	Mechatronics										
9EE53EC	Industrial Automation										
9EE53ED	Testing and Maintenance of sub										
	PRACTICALS										
9EE54P	ELECTRICAL WORK SHOP	-	6	6	3	100	50	25	125	60	
**	ELECTIVE LAB (Any One)										
9EE55EAP	Embedded System Lab	-	6	6	3	100	50	25	125	60	
9EE55EBP	Simulation Lab										
9EE55ECP	Industrial Automation Lab.										
9EE55EDP	Electrical Installation Design Lab										
9EE56P	CASP	-	3	3	3	50	25	75	125	60	
9EE57P	PROJECT WORK-I		3	3			--	25	25	--	LaTeX
	TOTAL	12	18	30	18	550	230	225	775	315	

** Elective theory and Elective lab may be chosen independently

DEPARTMENT OF TECHNICAL EDUCATION
DIPLOMA COURSE IN ELECTRONICS & COMMUNICATION ENGINEERING

SECOND SEMESTER
Scheme of Study and Examination

SL. No.	Q P CODE	Subject	Contact Hours			Exam Duration	Scheme of Examination			Total Max Marks	Min. Marks for passing	Spoken Tutorial Software E- Resource
			Theory	Pract	Total		End Exam		L.A. Marks			
1	9SC02M	Applied Mathematics-II	4		4	3	100	35	25	125	45	
2	9EC22	Semiconductor Devices	4		4	3	100	35	25	125	45	
3	9SC03S	Applied Science	5		5	3	100	35	25	125	45	
4	9CS01C	Programming with C	4		4	3	100	35	25	125	45	
		PRACTICALS										
5	9EC25P	Semiconductor Devices Lab		6	6	3	100	50	25	125	60	
6	9SC10P	Applied Science Lab		6	6	3	100	50	25	125	60	
7	9EC27P	Programming with C lab		6	6	3	100	50	25	125	60	C
		Total	17	18	35		700	290	175	875	360	

DEPARTMENT OF TECHNICAL EDUCATION
DIPLOMA COURSE IN ELECTRONICS & COMMUNICATION ENGINEERING

FIRST SEMESTER
Scheme of Study and Examination

SL No	Q P CODE	Subject	Contact Hours			Exam Duration	Scheme of Examination			Total Max Marks	Min. Marks for passing	Spoken Tutorial Software E-Resource
			Theory	Practical	Total		End Exam					
							Max.Marks	Min. Marks	*I.A. Marks			
1	9CP01E	English Communication	4		4	3	100	35	25	125	45	
2	9EC02E	Digital Electronics	4		4	3	100	35	25	125	45	
3	9SC01M	Applied Mathematics-I	4		4	3	100	35	25	125	45	
4	9EC01C	Basic Electrical Engineering & Electronic Components	4		4	3	100	35	25	125	45	
		PRACTICALS										
5	9EC15P	Basic Computer Skills		6	6	3	100	50	25	125	60	Libre Office Writer, Calc, Impress
6	9EC10P	Basic Electrical Engineering & Electronic Components lab		6	6	3	100	50	25	125	60	
7	9EC17P	Digital Electronics Lab		6	6	3	100	50	25	125	60	
		Total	16	18	34		700	255	175	875	360	

DEPARTMENT OF TECHNICAL EDUCATION
DIPLOMA COURSE IN ELECTRONICS & COMMUNICATION ENGINEERING

FOURTH SEMESTER

Scheme of Study and Examination

SL. No.	Q P CODE	Subject	Contact Hours			Exam Duration	Scheme of Examination			Total Max Marks	Min. Marks for passing	Spoken Tutorial Software E-Resource
			Theory	Pract	Total		End Exam					
							Max. Marks	Min. Marks	I.A. Marks			
1	9EC41	Microcontrollers and Its Applications	4		4	3	100	35	25	125	45	
2	9EC42	Digital Communication	4		4	3	100	35	25	125	45	
3	9EC43	Data communication & Networks	4		4	3	100	35	25	125	45	
4	9EC44	Audio & Video Systems	4		4	3	100	35	25	125	45	
		PRACTICALS										
5	9EC45P	Microcontrollers and Its Applications Lab		6	6	3	100	50	25	125	60	
6	9EC46P	Digital Communication Lab		6	6	3	100	50	25	125	60	
7	9EC47P	PC Hardware & Networks lab		6	6	3	100	50	25	125	60	
		Total	16	18	34		700	290	175	875	360	

DEPARTMENT OF TECHNICAL EDUCATION
DIPLOMA COURSE IN ELECTRONICS & COMMUNICATION ENGINEERING
THIRD SEMESTER
Scheme of Study and Examination

SL. No.	Q P CODE	Subject	Contact Hours			Exam Duration	Scheme of Examination			Total Max Marks	Min. Marks for passing	Spoken Tutorial Software E-Resource
			Theory	Pract	Total		End Exam					
							Max.Marks	Min. Marks	I.A. Marks			
1	9EC31	Analog Electronic Circuits	4		4	3	100	35	25	125	45	
2	9EC32	Digital Electronics & Introduction to Microprocessors	4		4	3	100	35	25	125	45	
3	9EC33	Analog Communication	4		4	3	100	35	25	125	45	
4	9EC34	Electronic Measurements and Instrumentation	4		4	3	100	35	25	125	45	
		PRACTICALS										
5	9EC35P	Analog Electronics Circuits lab		6	6	3	100	50	25	125	60	
6	9EC36P	Analog Communication Lab		6	6	3	100	50	25	125	60	
7	9EC37P	PCB Design & Simulation Lab	2	4	6	3	100	50	25	125	60	Scilab
		Total	18	16	34		700	290	175	875	360	

DEPARTMENT OF TECHNICAL EDUCATION

DIPLOMA COURSE IN ELECTRONICS & COMMUNICATION ENGINEERING

SIXTH SEMESTER

Scheme of Study and Examination

Q P Code	Subject	Contact Hours			Exam Duration	Scheme of Examination			Total Max Marks	Min. Marks for passing	Spoken Tutorial Software E-Resource
		Theory	Pract	Total		End Exam	Max. Marks	Min. Marks	I.A. Marks		
9EC61	Basic Management Skills and Indian Constitution.	4	-	4	3	100	35	25	125	45	
9EC62	ARM Controller	4		4	3	100	35	25	125	45	
9EC63	Medical Electronics	4		4	3	100	35	25	125	45	
	PRACTICALS	-									
9EC64P	ARM Controller Lab	-	6	6	3	100	50	25	125	60	
9EC65P	MATLAB	-	6	6	3	100	50	25	125	60	Scilab
9EC66P	Project Work	-	3	3	3	100	50	25	125	60	
	Total	12	15	27		600	255	150	750	315	

DEPARTMENT OF TECHNICAL EDUCATION
DIPLOMA COURSE IN ELECTRONICS & COMMUNICATION ENGINEERING

FIFTH SEMESTER

Scheme of Study and Examination

Q P Code	Subject	Contact Hours			Exam Duration In Hrs	Scheme of Examination			Total Max Marks	Min. Marks for passing with I A Marks		Spoken Tutorial Software E- Resource
		The ory	Pract	Total		End Exam						
						Max. Marks	Min. Pass Marks	I.A. Marks				
9EC51	Industrial Automation	4	-	4	3	100	35	25	125	45		
9EC52	VHDL Programming	4	-	4	3	100	35	25	125	45		
9EC53	Advanced Microprocessors	4	-	4	3	100	35	25	125	45		
9EC54	Advanced Communication	4	-	4	3	100	35	25	125	45		
	PRACTICALS											
9EC55P	Industrial Automation Lab	-	6	6	3	100	50	25	125	60		
9EC56P	VHDL Lab	-	6	6	3	100	50	25	125	60		
9EC57P	CASP	-	6	6	3	50	25	75	125	60		
9EC58P	Project Work-I	-	3	3	-	-	-	25	25	-		LaTeX
	Total	16	18	34		650	265	250	900	360		

DEPARTMENT OF TECHNICAL EDUCATION
DIPLOMA COURSE IN INFORMATION SCIENCE & ENGINEERING

SIXTH SEMESTER

SCHEME OF STUDY AND EXAMINATION W.E.F : 2011-12

Q P CODE	SUBJECT	CONTACT HOURS			EXAM DURATION IN HRS	SCHEME OF EXAMINATION			TOTAL MAX MARKS	MIN. MARKS FOR PASSING WITH IA MARKS	SPOKEN TUTORIAL SOFTWARE E-RESOURCE
		THY	PRACT	TOTAL		END EXAM	MIN. PASS MARKS	I.A. MARKS			
9CS61	Software Testing	4	-	4	3	100	35	25	125	45	
9IS61	Advance DBMS	4	-	4	3	100	35	25	125	45	
	<u>Elective (Any One)</u>										
9CS63EA	1) Information Storage and Management	4	-	4	3	100	35	25	125	45	
9CS63EB	2) Mobile Computing										
9CS62	3) Network Security & Management										
	<u>Practical's</u>										
9IS62P	Software Testing Lab	-	6	6	3	100	50	25	125	60	
9IS63P	PL/SQL Lab	-	6	6	3	100	50	25	125	60	MySQL
S64P	Project Work-II	-	3	3	3	100	50	25	125	60	
	TOTAL	12	15	27		600	255	150	750	315	

DEPARTMENT OF TECHNICAL EDUCATION
DIPLOMA COURSE IN INFORMATION SCIENCE & ENGINEERING
FIFTH SEMESTER

SCHEME OF STUDY AND EXAMINATION W.E.F : 2011-12

Q P CODE	SUBJECT	CONTACT HOURS			EXAM DURA TION	SCHEME OF EXAMINATION			TOTAL MAX MARKS	MIN. MARKS FOR PASSING	SPOKEN TUTORIAL SOFTWARE E-RESOURCE
		THEY	PRACT	TOTAL		END EXAM					
						MAX. MARKS	MIN. MARKS	I.A. MARKS			
9CS51	BASIC MANAGEMENT SKILLS & INDIAN CONSTITUTION.	4		4	3	100	35	25	125	45	
9CS52	PROGRAMMING WITH JAVA	4		4	3	100	35	25	125	45	
9CS53	WEB PROGRAMMING	4		4	3	100	35	25	125	45	
	PRACTICALS										
9IS54P	PROGRAMMING WITH JAVA LAB		6	6	3	100	50	25	125	60	JAVA
9IS55P	WEB PROGRAMMING LAB		6	6	3	100	50	25	125	60	
9IS56P	CASP		6	6	3	50	25	75	125	60	
9IS57P	PROJECT WORK – I		3	3	-	-	-	25	25	-	LATEX
	TOTAL	12	21	33		550	230	225	775	315	

Govt. of Karnataka
Department of Technical Education
Diploma in Information Science & Engineering
Fourth Semester
Scheme of Study and Examination
(With effect from 2010-2011)

Sl. No	Subjects	Q P CODE	Contact Hours			Exam. Duration	Scheme of Examination					Spoken Tutorial Software E-Resource
			Theory	Pract	Total		End Exam.					
							Max. Marks	Min. passing Marks	L. A. Marks **	Total Max. Marks	Min Marks for passing (with IA)	
	Theory											
1	OOP with C++	9CS41	4		4	3	100	35	25	125	45	
2	Database Management Systems	9CS42	4		4	3	100	35	25	125	45	
3	Information System and Managerial Issues	9IS43	4		4	3	100	35	25	125	45	
4	Software Engineering Practical	9CS44	4		4	3	100	35	25	125	45	
5	OOP with C++ lab	9CS45P		6	6	3	100	50	25	125	60	C++
6	DBMS lab	9CS46P		6	6	3	100	50	25	125	60	MySQL
7	Linux lab	9CS47P		6	6	3	100	50	25	125	60	
			16	18	34		700	290	175	875	360	

Govt. of Karnataka
Department of Technical Education
Diploma in Information Science & Engineering
Third Semester
Scheme of Study and Examination
(With effect from 2010-2011)

Sl. No	Subjects	Q P CODE	Contact Hours			Exam. Duration	Scheme of Examination						Spoken Tutorial Software E-Resource
			Theory	Pract .	Tot al		End Exam.						
							Max. Marks	Min. passing Marks					I. A. Mark s **
Theory													
1	Analysis and design of Algorithm	9IS31	4		4	3	100	35	25	125		45	
2	Data Structures Using C	9CS32	4		4	3	100	35	25	125		45	
3	Computer Networks	9CS33	4		4	3	100	35	25	125		45	
	Practical												
4	Data Structures lab	9CS34P		6	6	3	100	50	25	125		60	
5	Analysis and design of Algorithm Lab	9IS35P		6	6	3	100	50	25	125		60	
6	Graphical User Interface lab	9CS36P		6	6	3	100	50	25	125		60	
7	Web Design lab	9CS37P		6	6	3	100	50	25	125		60	PHP
			12	24	36		700	340	175	875		375	

Govt. of Karnataka
Department of Technical Education
Diploma Course in Computer Science & Engineering/Information Science & Engineering
Second Semester (Scheme of Study & Examination) w.e.f. 2009-10

Q P CODE	Theory Subjects	Contact Hours			Exam Duration	Scheme of Examination			Total Marks	Min Marks For Passing	Spoken Tutorial Software E- Resource
		Theor y	Practic al	Tota l		End Exam Max mark s	Min Mark s	I A Mark s			
9SC02M	Applied Mathematics-II	4		4	3	100	35	25	125	45	
9CP01E	English Communication	4		4	3	100	35	25	125	45	
9EC02E	Digital Electronics	4		4	3	100	35	25	125	45	
9CS01C	Programming with C	4		4	3	100	35	25	125	45	
	Practicals										
9EC26P	Digital Lab		6	6	3	100	50	25	125	60	
9CS26P	Programming with C Lab		6	6	3	100	50	25	125	60	C
9CS27P	Multimedia Lab		6	6	3	100	50	25	125	60	GIMP/ Blender
	Total	16	18	34		700	290	175	875	360	

**Common to E&C, EI&C,CS, IS

Govt. of Karnataka
Department of Technical Education
Diploma Course in Computer Science & Engineering/Information Science & Engineering
First Semester (Scheme of Study & Examination) w.e.f. 2009-10

Q P CODE	Theory Subjects	Contact Hours			Exam Duration	Scheme of Examination			Total Marks	Min Marks For Passing	Spoken Tutorial Software E-Resource
		Theory	Practical	Total		End Exam		I A Marks			
						Max mark	Min Mark				
9SC01M	Applied Mathematics - I	4		4	3	100	35	25	125	45	
9SC03S	Applied Science	5		5	3	100	35	25	125	45	
9CS13	Concepts of Electrical & Electronic Engineering										
		4		4	3	100	35	25	125	45	
9CS14	Introduction to Computer Concepts										
		4		4	3	100	35	25	125	45	
	Practicals										
9SC10P	Applied Science Lab		6	6	3	100	50	25	125	60	
9CS16P	Basic Electronics lab		6	6	3	100	50	25	125	60	
9CS17P	Basic Computer Skills lab		6	6	3	100	50	25	125	60	Libre Office Writer, Calc, Impress
	Total	17	18	35		700	290	175	875	360	

DEPARTMENT OF TECHNICAL EDUCATION
DIPLOMA IN COMPUTER SCIENCE & ENGINEERING

SIXTH SEMESTER

SCHEME OF STUDY AND EXAMINATION
W.E.F : 2011-12

SL. NO.	SUBJECT	Q. P CODE	CONTACT HOURS			SCHEME OF EXAMINATION				TOTAL MAX MARKS	MIN. PASS MARKS (WITH I.A MARKS)	Spoken Tutorial Software E- Resource
			THEORY	PRACT	TOTAL	EXAM DURATION	END EXAM MAX. MARKS	MIN. PASS MARKS	I.A. MARKS			
1	Software Testing	9CS61	4		4	3	100	35	25	125	45	
2	Network Security and Management	9CS62	4		4	3	100	35	25	125	45	
3	1) Information Storage and Management	9CS63EA	4		4	3	100	35	25	125	45	
	2) Mobile Computing	9CS63EB										
	3) Embedded and Real-Time Systems	9CS63EC										
PRACTICALS												
4	Software Testing Lab	9CS64P		6	6	3	100	50	25	125	60	
5	Network Security Lab	9CS65P		6	6	3	100	50	25	125	60	
6	Project Work-II	9CS66P		6	6	3	100	50	25	125	60	
	TOTAL		12	18	30		600	255	150	750	315	

**DEPARTMENT OF TECHNICAL EDUCATION
DIPLOMA IN COMPUTER SCIENCE & ENGINEERING**

FIFTH SEMESTER

**SCHEME OF STUDY AND EXAMINATION
W.E.F : 2011-12**

No	SUBJECT	Q.P CODE	CONTACT HOURS			EXAM DURATION	SCHEME OF EXAMINATION			TOTAL MAX MARKS	MIN. PASS MARKS (WITH IA MARKS)	Spoken Tutorial Software E-Resource
			THEORY	PRAC T	TOTA L		END EXAM					
							MAX. MARKS	MIN. PASS MARKS	I.A. MARKS			
1	Basic Management Skills and Indian Constitution.	9CS51	4		4	3	100	35	25	125	45	
2	Programming with Java	9CS52	4		4	3	100	35	25	125	45	
3	Web Programming	9CS53	4		4	3	100	35	25	125	45	
PRACTICALS												
4	Programming with Java Lab	9CS54P		6	6	3	100	50	25	125	60	Java Business Application
5	Web Programming Lab	9CS55P		6	6	3	100	50	25	125	60	
6	CASP	9CS56P		6	6	3	50	25	75	125	60	
7	Project Work – I*	9CS57P		3	3		---	----	25	25	---	LaTeX
	TOTAL		12	21	33		550	230	225	775	315	

*

- PROJECT WORK-I TO BE CONTINUED IN THE VITH SEMESTER.
- PROJECT WORK EXAM WILL BE AT THE END OF VITH SEMESTER

Govt. of Karnataka, Department of Technical Education
Diploma in Computer Science & Engineering

Fourth Semester

Scheme of Study and Examination
(With effect from 2010-2011)

Sl. No.	Subjects	Q P CODE	Contact Hours			Exam. Duration	Scheme of Examination					Spoken Tutorial Software E-Resource
			Theory	Pract.	Total		End Exam.					
							Max. Marks	Min. passing Marks	I. A. Marks	Total Max. Marks	Min Marks for passing (with IA)	
Theory												
1	OOP with C++	9CS41	4		4	3	100	35	25	125	45	
2	Database Management Systems	9CS42	4		4	3	100	35	25	125	45	
3	Operating System	9CS43	4		4	3	100	35	25	125	45	
4	Software Engineering	9CS44	4		4	3	100	35	25	125	45	
	Practical											
5	OOP with C++ lab (CPP)	9CS45P		6	6	3	100	50	25	125	60	C++
6	DBMS lab	9CS46P		6	6	3	100	50	25	125	60	PHP
7	Linux lab	9CS47P		6	6	3	100	50	25	125	60	Linux
			16	18	34		700	290	175	875	360	

Govt. of Karnataka, Department of Technical Education

Diploma in Computer Science & Engineering

Third Semester

Scheme of Study and Examination
(With effect from 2010-2011)

Sl. No.	Subjects	Q P CODE	Contact Hours			Exam. Duration	Scheme of Examination				Spoken Tutorial Software E- Resource
			Theory	Pract.	Total		End Exam.		Total Max. Marks	Min Marks for passing (with IA)	
							Max. Marks	Min. passing Marks	I. A. Marks		
Theory											
1	Computer Organisation	9CS31	4		4	3	100	35	25	125	45
2	Data Structures Using C	9CS32	4		4	3	100	35	25	125	45
3	Computer Networks	9CS33	4		4	3	100	35	25	125	45
	Practical										
4	Data Structures lab	9CS34P		6	6	3	100	50	25	125	60
5	PC Hardware and Networking lab	9CS35P		6	6	3	100	50	25	125	60
6	Graphical User Interface lab	9CS36P		6	6	3	100	50	25	125	60
7	Web Design lab	9CS37P		6	6	3	100	50	25	125	60
			12	24	36		700	340	175	875	375

Govt. of Karnataka
Department of Technical Education
Diploma Course in Computer Science & Engineering/Information Science & Engineering
Second Semester (Scheme of Study & Examination) w.e.f. 2009-10

Q P CODE	Theory Subjects	Contact Hours			Exam Duration	Scheme of Examination			Total Marks	Min Marks For Passing	Spoken Tutorial Software E- Resource
		Theory	Practical	Total		End Exam		I A Marks			
						Max marks	Min Marks				
9SC02M	Applied Mathematics-II	4		4	3	100	35	25	125	45	
	English										
9CP01E	Communication	4		4	3	100	35	25	125	45	
9EC02E	Digital Electronics	4		4	3	100	35	25	125	45	
	Programming with										
9CS01C	C	4		4	3	100	35	25	125	45	
	Practicals										
9EC26P	Digital Lab		6	6	3	100	50	25	125	60	
	Programming with										
9CS26P	C Lab		6	6	3	100	50	25	125	60	C
9CS27P	Multimedia Lab		6	6	3	100	50	25	125	60	GIMP/ Blender
	Total	16	18	34		700	290	175	875	360	

**Common to E&C, EI&C,CS, IS

Govt. of Karnataka

Department of Technical Education

Diploma Course in Computer Science & Engineering/Information Science & Engineering

First Semester (Scheme of Study & Examination) w.e.f. 2009-10

Q P CODE	Theory Subjects	Contact Hours			Exam Duration	Scheme of Examination			Total Marks	Min Marks For Passing	Spoken Tutorial Software E-Resource
		Theory	Practical	Total		End Exam		I A Marks			
						Max marks	Min Marks				
9SC01M	Applied Mathematics - I	4		4	3	100	35	25	125	45	
9SC03S	Applied Science	5		5	3	100	35	25	125	45	
9CS13	Concepts of Electrical & Electronic Engineering	4		4	3	100	35	25	125	45	
9CS14	Introduction to Computer Concepts	4		4	3	100	35	25	125	45	
	Practicals										
9SC10P	Applied Science Lab		6	6	3	100	50	25	125	60	
9CS16P	Basic Electronics lab		6	6	3	100	50	25	125	60	
9CS17P	Basic Computer Skills lab		6	6	3	100	50	25	125	60	Libre Office Writer, Calc, Impress
	Total	17	18	35		700	290	175	875	360	